Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II, as amended by Commission Regulation (EU) 2020/878

SAFETY DATA SHEET



INERTA PRIMER 5 - All variants

SECTION 1: Identification of the substance/mixture and of the company/ undertaking

1.1	Product identifier
Pr	oduct name

: INERTA PRIMER 5 - All variants

1.2 Relevant identified uses of the substance or mixture and uses advised againstProduct use: Paint.

1.3 Details of the supplier of the safety data sheet

Teknos Group Oy, Takkatie 3, FI-00370 HELSINKI, FINLAND. Tel. +358 9 506 091. e-mail address of person : Prod-safe@teknos.com responsible for this SDS

National contact

Teknos Group Oy, Takkatie 3, FI-00370 HELSINKI, FINLAND. Tel. +358 9 506 091.

1.4 Emergency telephone number

National advisory body/Poison Centre

Telephone number : In an emergency, call 112

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Product definition : Mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

Flam. Liq. 3, H226 Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens. 1, H317 STOT SE 3, H335 STOT RE 2, H373 Aquatic Chronic 3, H412

The product is classified as hazardous according to Regulation (EC) 1272/2008 as amended.

See Section 16 for the full text of the H statements declared above.

See Section 11 for more detailed information on health effects and symptoms.

2.2 Label elements

Hazard pictograms



Signal word Hazard statements

: Danger

: H226 - Flammable liquid and vapour.

- H315 Causes skin irritation.
- H317 May cause an allergic skin reaction.
- H318 Causes serious eye damage.
- H335 May cause respiratory irritation.
- H373 May cause damage to organs through prolonged or repeated exposure.
- H412 Harmful to aquatic life with long lasting effects.

Precautionary statements

SECTION 2: Hazards identification

SECTION 2: Hazards		Jentification
Prevention	:	 P280 - Wear protective gloves. Wear eye or face protection. P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P260 - Do not breathe vapour.
Response	:	P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Storage	1	P403 + P233 - Store in a well-ventilated place. Keep container tightly closed.
Disposal	:	P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.
Hazardous ingredients	:	Contains: reaction product: bisphenol-A-(epichlorhydrin); epoxy resin; Xylene and iso-butanol
Supplemental label elements	:	Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.
Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles	:	
2.3 Other hazards		
Product meets the criteria for PBT or vPvB according to Regulation (EC) No. 1907/2006, Annex XIII	:	This mixture does not contain any substances that are assessed to be a PBT or a vPvB.
Other hazards which do	:	None known.

Other hazards which do : N not result in classification

SECTION 3: Composition/information on ingredients

Product/ingredient name	Identifiers	%	Classification	Specific Conc. Limits, M-factors and ATEs	Туре
reaction product: bisphenol- A-(epichlorhydrin); epoxy resin	EC: 500-033-5 CAS: 25068-38-6	≥10 - ≤25	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317	-	[1]
5	REACH #: 01-2119488216-32 EC: 215-535-7 CAS: 1330-20-7 Index: 601-022-00-9	≥10 - ≤25	Flam. Liq. 3, H226 Acute Tox. 4, H312 Acute Tox. 4, H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335 STOT RE 2, H373 (oral, inhalation) Asp. Tox. 1, H304	ATE [Dermal] = 1100 mg/kg ATE [Inhalation (vapours)] = 11 mg/ I	[1] [2]
	REACH #: 01-2119489379-17 EC: 236-675-5 CAS: 13463-67-7	≥10 - ≤25	Carc. 2, H351 (inhalation)	-	[1] [*]
	REACH #: 01-2119484609-23 EC: 201-148-0 CAS: 78-83-1 Index: 603-108-00-1	≤10	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Eye Dam. 1, H318 STOT SE 3, H335 STOT SE 3, H336	-	[1]
5	REACH #: 01-2119489370-35 EC: 202-849-4	≤5	Flam. Liq. 2, H225 Acute Tox. 4, H332 STOT RE 2, H373	ATE [Inhalation (vapours)] = 11 mg/	[1] [2]

	CAS: 100-41-4 Index: 601-023-00-4		(hearing organs) (oral, inhalation) Asp. Tox. 1, H304		
Trizinc bis(orthophosphate)	REACH #: 01-2119485044-40 EC: 231-944-3 CAS: 7779-90-0 Index: 030-011-00-6	≤2.3	Aquatic Acute 1, H400 Aquatic Chronic 1, H410	M [Acute] = 1 M [Chronic] = 1	[1]
Solvent naphtha (petroleum), light aromatic	REACH #: 01-2119455851-35 EC: 265-199-0 CAS: 64742-95-6 Index: 649-356-00-4	≤1.4	Flam. Liq. 3, H226 STOT SE 3, H335 STOT SE 3, H336 Asp. Tox. 1, H304 Aquatic Chronic 2, H411 EUH066 See Section 16 for the full text of the H statements declared above.	-	[1]

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment, are PBTs, vPvBs or Substances of equivalent concern, or have been assigned a workplace exposure limit and hence require reporting in this section.

Туре

[1] Substance classified with a health or environmental hazard

[2] Substance with a workplace exposure limit

[*] The classification as a carcinogen by inhalation applies only to mixtures placed on the market in powder form containing 1% or more of titanium dioxide particles with aerodynamic diameter \leq 10 µm not bound within a matrix.

Occupational exposure limits, if available, are listed in Section 8.

SECTION 4: First aid measures

4.1 Description of first aid measures

Eye contact	:	Get medical attention immediately. Call a poison center or physician. Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Chemical burns must be treated promptly by a physician.
Inhalation	:	Get medical attention immediately. Call a poison center or physician. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
Skin contact	:	Get medical attention immediately. Call a poison center or physician. Wash with plenty of soap and water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Chemical burns must be treated promptly by a physician. In the event of any complaints or symptoms, avoid further exposure. Wash clothing before reuse. Clean shoes thoroughly before reuse.
Ingestion	:	Get medical attention immediately. Call a poison center or physician. Wash out mouth with water. Remove dentures if any. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Chemical burns must be treated promptly by a physician. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
Date of issue/Date of revision		: 23/04/2025 Date of provious issue : 23/02/2024 Version : 9 3/35

Date of issue/Date of revision	: 23/04/2025	Date of previous issue	: 23/02/2024	Version	:9	3/35
INERTA PRIMER 5 - All variants				Label No	1158	13

SECTION 4: First aid	d measures
Protection of first-aiders	: No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.
	ns and effects, both acute and delayed
Over-exposure signs/symp	
Eye contact	: Adverse symptoms may include the following: pain watering redness
Inhalation	: Adverse symptoms may include the following: respiratory tract irritation coughing
Skin contact	: Adverse symptoms may include the following: pain or irritation redness blistering may occur
Ingestion	: Adverse symptoms may include the following: stomach pains
4.3 Indication of any immed	iate medical attention and special treatment needed
Notes to physician	 Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
Specific treatments	: No specific treatment.
SECTION 5: Firefigh	iting measures
5.1 Extinguishing media	
Suitable extinguishing media	: Use dry chemical, CO ₂ , water spray (fog) or foam.
Unsuitable extinguishing media	: Do not use water jet.
5.2 Special hazards arising	from the substance or mixture
Hazards from the substance or mixture	: Flammable liquid and vapour. Runoff to sewer may create fire or explosion hazard. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. This material is harmful to aquatic life with long lasting effects. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.
Hazardous combustion products	 Decomposition products may include the following materials: carbon dioxide carbon monoxide sulfur oxides phosphorus oxides halogenated compounds metal oxide/oxides
5.3 Advice for firefighters	
Special protective actions for fire-fighters	: Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.
Special protective equipment for fire-fighters	: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.

Date of issue/Date of revision	: 23/04/2025	Date of previous issue	: 23/02/2024	Version	:9	4/35
INERTA PRIMER 5 - All variants				Label No	1158	313

SECTION 6: Accidental release measures

6.1 Personal precautions, pro	tective equipment and emergency procedures
For non-emergency personnel	: No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Do not breathe vapour or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
For emergency responders	: If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
6.2 Environmental precautions	: Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). Water polluting material. May be harmful to the environment if released in large quantities.
6.3 Methods and material for	containment and cleaning up
Small spill	: Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Absorb with an inert material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
Large spill	: Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Approach the release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilt product. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations.
6.4 Reference to other sections	 See Section 1 for emergency contact information. See Section 8 for information on appropriate personal protective equipment. See Section 13 for additional waste treatment information.

SECTION 7: Handling and storage

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

7.1 Precautions for safe handling

Protective measures	: Put on appropriate personal protective equipment (see Section 8). Persons with a history of skin sensitization problems should not be employed in any process in which this product is used. Do not get in eyes or on skin or clothing. Do not breathe vapour or mist. Do not ingest. Avoid release to the environment. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use only non-sparking tools. Take precautionary measures against electrostatic discharges. Empty containers retain product residue and can be hazardous. Do not reuse container.
Advice on general occupational hygiene	: Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

7.2 Conditions for safe storage, including any incompatibilities

SECTION 7: Handling and storage

Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Eliminate all ignition sources. Separate from oxidising materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

Seveso Directive - Reporting thresholds

Danger criteria		
Category	Notification and MAPP threshold	Safety report threshold
P5c	5000 tonnes	50000 tonnes

7.3 Specific end use(s)

: Not available.

Recommendations Industrial sector specific : Not available. solutions

SECTION 8: Exposure controls/personal protection

The information in this section contains generic advice and guidance. Information is provided based on typical anticipated uses of the product. Additional measures might be required for bulk handling or other uses that could significantly increase worker exposure or environmental releases.

8.1 Control parameters

Occupational exposure limits

Product/ingredient name	Exposure limit values
Xylene	Regulation on Limit Values - MAC (Austria, 4/2021) [Xylol (alle Isomeren, rein)] PEAK 15 minutes: 442 mg/m ³ 4 times per shift. TWA 8 hours: 50 ppm. PEAK 15 minutes: 100 ppm 4 times per shift. TWA 8 hours: 221 mg/m ³ .
iso-butanol	Regulation on Limit Values - MAC (Austria, 4/2021) [Butanol (alle Isomeren außer 2-Methyl-2-propanol)] PEAK 15 minutes: 200 ppm 4 times per shift. TWA 8 hours: 150 mg/m ³ . TWA 8 hours: 50 ppm. PEAK 15 minutes: 600 mg/m ³ 4 times per shift.
Ethylbenzene	Regulation on Limit Values - MAC (Austria, 4/2021) Absorbed through skin. TWA 8 hours: 100 ppm. TWA 8 hours: 440 mg/m ³ . CEIL 5 minutes: 200 ppm 8 times per shift. CEIL 5 minutes: 880 mg/m ³ 8 times per shift.
Xylene	Limit values (Belgium, 12/2023) [Xyleen] Absorbed through skin TWA 8 hours: 50 ppm. TWA 8 hours: 221 mg/m ³ . STEL 15 minutes: 100 ppm. STEL 15 minutes: 442 mg/m ³ .
iso-butanol	Limit values (Belgium, 12/2023) TWA 8 hours: 50 ppm. TWA 8 hours: 154 mg/m ³ .
Ethylbenzene	Limit values (Belgium, 12/2023) Absorbed through skin. TWA 8 hours: 20 ppm. TWA 8 hours: 87 mg/m ³ . STEL 15 minutes: 125 ppm. STEL 15 minutes: 551 mg/m ³ .
ate of issue/Date of revision : 23/04/202	5 Date of previous issue : 23/02/2024 Version : 9 6/35

•	
Xylene	Ministry of Labour and Social Policy and the Ministry of Health - Ordinance No 13/2003. (Bulgaria, 4/2024) [Xylene] Absorbed through skin. Limit value 8 hours: 221 mg/m ³ . Limit value 15 minutes: 442 mg/m ³ . Limit value 15 minutes: 100 ppm.
Ethylbenzene	Limit value 8 hours: 50 ppm. Ministry of Labour and Social Policy and the Ministry of Health - Ordinance No 13/2003. (Bulgaria, 4/2024) Absorbed through skin. Limit value 8 hours: 435 mg/m ³ . Limit value 15 minutes: 545 mg/m ³ .
Xylene	Ordinance on the protection of workers from exposure to hazardous chemicals at work, exposure limit values (Annex I) (Croatia, 12/2023) [ksilen] Absorbed through skin. STELV 15 minutes: 442 mg/m ³ . STELV 15 minutes: 100 ppm. ELV 8 hours: 221 mg/m ³ . ELV 8 hours: 50 ppm.
iso-butanol	Ordinance on the protection of workers from exposure to hazardous chemicals at work, exposure limit values (Annex I) (Croatia, 12/2023) Absorbed through skin. STELV 15 minutes: 231 mg/m ³ . STELV 15 minutes: 75 ppm. ELV 8 hours: 154 mg/m ³ .
Ethylbenzene	ELV 8 hours: 50 ppm. Ordinance on the protection of workers from exposure to hazardous chemicals at work, exposure limit values (Annex I) (Croatia, 12/2023) Absorbed through skin. STELV 15 minutes: 884 mg/m ³ . STELV 15 minutes: 200 ppm. ELV 8 hours: 442 mg/m ³ .
Solvent naphtha (petroleum), light aromatic	ELV 8 hours: 100 ppm. Ordinance on the protection of workers from exposure to hazardous chemicals at work, exposure limit values (Annex I) (Croatia) ELV: 100 ppm. ELV: 400 mg/m ³ .
Xylene	Department of labour inspection (Cyprus, 7/2021) [Ξυλένιο, μικτά ισομερή, καθαρά] Absorbed through skin. STEL 15 minutes: 100 ppm. STEL 15 minutes: 442 mg/m ³ . TWA 8 hours: 50 ppm. TWA 8 hours: 221 mg/m ³ .
Ethylbenzene	Department of labour inspection (Cyprus, 7/2021) Absorbed through skin. STEL 15 minutes: 884 mg/m ³ . TWA 8 hours: 100 ppm. TWA 8 hours: 442 mg/m ³ . STEL 15 minutes: 200 ppm.
Xylene	Government regulation of Czech Republic PEL/NPK-P (Czech Republic, 12/2023) [xylen] Absorbed through skin. TWA 8 hours: 200 mg/m ³ . TWA 8 hours: 45.33 ppm. STEL 15 minutes: 400 mg/m ³ . STEL 15 minutes: 90.66 ppm.
iso-butanol	Government regulation of Czech Republic PEL/NPK-P (Czech Republic, 12/2023) [butanol] TWA 8 hours: 300 mg/m ³ . TWA 8 hours: 97 ppm. STEL 15 minutes: 600 mg/m ³ . STEL 15 minutes: 194 ppm.
Date of issue/Date of revision : 23/04/2025	Date of previous issue : 23/02/2024 Version : 9 7/35

Ethylbenzene	Government regulation of Czech Republic PEL/NPK-P (Czech Republic, 12/2023) Absorbed through skin. TWA 8 hours: 200 mg/m ³ . TWA 8 hours: 45.33 ppm. STEL 15 minutes: 500 mg/m ³ . STEL 15 minutes: 113.32 ppm.
Solvent naphtha (petroleum), light aromatic	Government regulation of Czech Republic PEL/NPK-P (Czech Republic, 12/2023) [nafta solventní] TWA 8 hours: 200 mg/m ³ . STEL 15 minutes: 1000 mg/m ³ .
Xylene	Working Environment Authority (Denmark, 3/2024) [xylen, alle isomere] Absorbed through skin. TWA 8 hours: 25 ppm. TWA 8 hours: 109 mg/m ³ . STEL 15 minutes: 442 mg/m ³ . STEL 15 minutes: 100 ppm.
iso-butanol	Working Environment Authority (Denmark, 3/2024) [butanol, alle isomere] Absorbed through skin. CEIL: 50 ppm. CEIL: 150 mg/m ³ .
Ethylbenzene	 Working Environment Authority (Denmark, 3/2024) K. Absorbe through skin. TWA 8 hours: 50 ppm. TWA 8 hours: 217 mg/m³. STEL 15 minutes: 434 mg/m³. STEL 15 minutes: 100 ppm.
Xylene	Occupational exposure limits, Regulation No. 293 (Estonia, 4/2024) [ksüleen] Absorbed through skin. TWA 8 hours: 50 ppm. STEL 15 minutes: 100 ppm. STEL 15 minutes: 450 mg/m ³ . TWA 8 hours: 200 mg/m ³ .
iso-butanol	Occupational exposure limits, Regulation No. 293 (Estonia, 4/2024) TWA 8 hours: 150 mg/m ³ . TWA 8 hours: 50 ppm.
Ethylbenzene	Occupational exposure limits, Regulation No. 293 (Estonia, 4/2024) Absorbed through skin, Sensitiser. TWA 8 hours: 442 mg/m ³ . TWA 8 hours: 100 ppm. STEL 15 minutes: 884 mg/m ³ . STEL 15 minutes: 200 ppm.
Xylene	EU OEL (Europe, 1/2022) [xylene, mixed isomers] Absorbed through skin. TWA 8 hours: 50 ppm. TWA 8 hours: 221 mg/m ³ . STEL 15 minutes: 100 ppm. STEL 15 minutes: 442 mg/m ³ .
Ethylbenzene	EU OEL (Europe, 1/2022) Absorbed through skin. TWA 8 hours: 100 ppm. TWA 8 hours: 442 mg/m ³ . STEL 15 minutes: 200 ppm. STEL 15 minutes: 884 mg/m ³ .
Xylene	Institute of Occupational Health, Ministry of Social Affairs (Finland, 10/2021) [Ksyleeni] Absorbed through skin. STEL 15 minutes: 440 mg/m ³ . TWA 8 hours: 220 mg/m ³ . TWA 8 hours: 50 ppm. STEL 15 minutes: 100 ppm.
iso-butanol	Institute of Occupational Health, Ministry of Social Affairs (Finland, 10/2021) [Butanoli] Absorbed through skin. TWA 8 hours: 50 ppm.

SECTION 8: Exposure controls/personal protection TWA 8 hours: 150 mg/m³. STEL 15 minutes: 75 ppm. STEL 15 minutes: 230 mg/m³. Institute of Occupational Health, Ministry of Social Affairs Ethylbenzene (Finland, 10/2021) Absorbed through skin. TWA 8 hours: 50 ppm. TWA 8 hours: 220 mg/m³. STEL 15 minutes: 200 ppm. STEL 15 minutes: 880 mg/m³. Solvent naphtha (petroleum), light aromatic Institute of Occupational Health, Ministry of Social Affairs (Finland, 10/2020) TWA 8 hours: 100 mg/m³. Ministry of Labor (France, 6/2024) [xylènes, isomères mixtes, **Xylene** purs] Absorbed through skin. STEL 15 minutes: 442 mg/m³. Notes: Binding regulatory limit values (article R. 4412-149 of the Labor Code) STEL 15 minutes: 100 ppm. Notes: Binding regulatory limit values (article R. 4412-149 of the Labor Code) TWA 8 hours: 221 mg/m³. Notes: Binding regulatory limit values (article R. 4412-149 of the Labor Code) TWA 8 hours: 50 ppm. Notes: Binding regulatory limit values (article R. 4412-149 of the Labor Code) iso-butanol Ministry of Labor (France, 6/2024) TWA 8 hours: 50 ppm. Notes: Permissible limit values (circulars) TWA 8 hours: 150 mg/m³. Notes: Permissible limit values (circulars) Ethylbenzene Ministry of Labor (France, 6/2024) Absorbed through skin. TWA 8 hours: 20 ppm. Notes: Binding regulatory limit values (article R. 4412-149 of the Labor Code) TWA 8 hours: 88.4 mg/m³. Notes: Binding regulatory limit values (article R. 4412-149 of the Labor Code) STEL 15 minutes: 442 mg/m³. Notes: Binding regulatory limit values (article R. 4412-149 of the Labor Code) STEL 15 minutes: 100 ppm. Notes: Binding regulatory limit values (article R. 4412-149 of the Labor Code) Ministry of Labor (France, 6/2024) [hydrocarbures en C6-C12] Solvent naphtha (petroleum), light aromatic TWA 8 hours: 1000 mg/m³. Form: Vapour. Notes: Permissible limit values (circulars) STEL 15 minutes: 1500 mg/m³. Form: Vapour. Notes: Permissible limit values (circulars) **Xylene** TRGS 900 OEL (Germany, 6/2024) [Xylol] Absorbed through skin. TWA 8 hours: 220 mg/m³. PEAK 15 minutes: 440 mg/m³. TWA 8 hours: 50 ppm. PEAK 15 minutes: 100 ppm. DFG MAC-values list (Germany, 7/2023) [Xylene] Develop D. Absorbed through skin. TWA 8 hours: 50 ppm. PEAK 15 minutes: 100 ppm 4 times per shift [Interval: 1 hour]. TWA 8 hours: 220 mg/m³. PEAK 15 minutes: 440 mg/m³ 4 times per shift [Interval: 1 hour]. iso-butanol TRGS 900 OEL (Germany, 6/2024) TWA 8 hours: 310 mg/m³. PEAK 15 minutes: 310 ma/m³. TWA 8 hours: 100 ppm. PEAK 15 minutes: 100 ppm. DFG MAC-values list (Germany, 7/2023) Develop C. TWA 8 hours: 100 ppm. PEAK 15 minutes: 100 ppm 4 times per shift [Interval: 1 hour]. TWA 8 hours: 310 mg/m³. PEAK 15 minutes: 310 mg/m³ 4 times per shift [Interval: 1 hour]. Ethylbenzene TRGS 900 OEL (Germany, 6/2024) Absorbed through skin.

Date of issue/Date of revision INERTA PRIMER 5 - All variants : 23/04/2025 Date of previous issue

	controls/personal protection
	TWA 8 hours: 88 mg/m ³ .
	PEAK 15 minutes: 176 mg/m ³ .
	TWA 8 hours: 20 ppm.
	PEAK 15 minutes: 40 ppm.
	DFG MAC-values list (Germany, 7/2023) Carc 4, Develop C.
	Absorbed through skin.
	PEAK 15 minutes: 40 ppm 4 times per shift [Interval: 1 hour].
	PEAK 15 minutes: 176 mg/m³ 4 times per shift [Interval: 1 hour]. TWA 8 hours: 88 mg/m³.
	TWA 8 hours: 20 ppm.
Xylene	Presidential Decree 307/1986: Occupational exposure limit
	values (Greece, 9/2021) [ξυλόλια (όλα τα ισομερή)] Absorbed
	through skin.
	TWA 8 hours: 100 ppm.
	TWA 8 hours: 435 mg/m ³ .
	STEL 15 minutes: 150 ppm.
	STEL 15 minutes: 650 mg/m ³ .
so-butanol	Presidential Decree 307/1986: Occupational exposure limit
	values (Greece, 9/2021)
	TWA 8 hours: 100 ppm.
	TWA 8 hours: 300 mg/m ³ .
	STEL 15 minutes: 100 ppm.
	STEL 15 minutes: 300 mg/m ³ . Presidential Decree 307/1986: Occupational exposure limit
Ethylbenzene	Presidential Decree 307/1986: Occupational exposure limit
	values (Greece, 9/2021)
	TWA 8 hours: 100 ppm. TWA 8 hours: 435 mg/m ³ .
	STEL 15 minutes: 125 ppm.
	STEL 15 minutes: 545 mg/m ³ .
	^o
Xylene	5/2020. (II. 6.) ITM Decree (Hungary, 12/2023) [xilol izomerek
	keveréke] Absorbed through skin.
	TWA 8 hours: 221 mg/m ³ .
	PEAK 15 minutes: 442 mg/m ³ .
	PEAK 15 minutes: 100 ppm.
	TWA 8 hours: 50 ppm.
Ethylbenzene	5/2020. (II. 6.) ITM Decree (Hungary, 12/2023) Absorbed through
	skin.
	TWA 8 hours: 442 mg/m ³ .
	PEAK 15 minutes: 884 mg/m ³ .
	PEAK 15 minutes: 200 ppm.
	TWA 8 hours: 100 ppm.
Xylene	Ministry of Welfare, List of Exposure Limits (Iceland, 11/2023
	[Xýlen, allir ísómerar] Absorbed through skin.
	STEL 15 minutes: 442 mg/m ³ .
	STEL 15 minutes: 100 ppm.
	TWA 8 hours: 109 mg/m ³ .
	TWA 8 hours: 25 ppm.
so-butanol	Ministry of Welfare, List of Exposure Limits (Iceland, 11/2023
	[Bútanól, allir ísomerar nema n-bútanól] Absorbed through ski
	STEL 15 minutes: 150 mg/m ³ .
	STEL 15 minutes: 50 ppm.
Ethylbenzene	Ministry of Welfare, List of Exposure Limits (Iceland, 11/2023
	Absorbed through skin.
	STEL 15 minutes: 884 mg/m ³ .
	STEL 15 minutes: 200 ppm.
	TWA 8 hours: 200 mg/m ³ .
	TWA 8 hours: 50 ppm.
	1
te of issue/Date of revision	: 23/04/2025 Date of previous issue : 23/02/2024 Version : 9 10/3

		P P
	Xylene	 NAOSH (Ireland, 4/2024) [xylene] Absorbed through skin. Notes: EU derived Occupational Exposure Limit Values OELV 8 hours: 50 ppm. OELV 8 hours: 221 mg/m³. OELV 15 minutes: 100 ppm. OELV 15 minutes: 442 mg/m³.
	iso-butanol	NAOSH (Ireland, 4/2024) Notes: Advisory Occupational Exposure Limit Values (OELVs) OELV 8 hours: 150 ppm.
	Ethylbenzene	OELV 8 hours: 700 mg/m ³ . NAOSH (Ireland, 4/2024) Absorbed through skin. Notes: EU derived Occupational Exposure Limit Values OELV 8 hours: 100 ppm. OELV 8 hours: 442 mg/m ³ . OELV 15 minutes: 200 ppm. OELV 15 minutes: 884 mg/m ³ .
	Xylene	Legislative Decree No. 81/2008. Title IX. Protection from chemical agents, carcinogens and mutagens (Italy, 6/2020) [Xilene, isomeri misti, puro] Absorbed through skin. Limit value 8 hours: 50 ppm. Limit value 8 hours: 221 mg/m ³ . Short Term 15 minutes: 100 ppm. Short Term 15 minutes: 442 mg/m ³ .
	Ethylbenzene	Legislative Decree No. 81/2008. Title IX. Protection from chemical agents, carcinogens and mutagens (Italy, 6/2020) Absorbed through skin. Limit value 8 hours: 100 ppm. Limit value 8 hours: 442 mg/m ³ . Short Term 15 minutes: 200 ppm. Short Term 15 minutes: 884 mg/m ³ .
	Xylene	Ministers Cabinet Regulations Nr.325 - AER (Latvia, 3/2024) [Ksilols] Absorbed through skin. TWA 8 hours: 221 mg/m ³ . TWA 8 hours: 50 ppm. STEL 15 minutes: 100 ppm. STEL 15 minutes: 442 mg/m ³ .
	iso-butanol	Ministers Cabinet Regulations Nr.325 - AER (Latvia, 3/2024) [Butilspirti] TWA 8 hours: 10 mg/m³.
	Ethylbenzene	Ministers Cabinet Regulations Nr.325 - AER (Latvia, 3/2024) Absorbed through skin. TWA 8 hours: 442 mg/m ³ . TWA 8 hours: 100 ppm. STEL 15 minutes: 200 ppm. STEL 15 minutes: 884 mg/m ³ .
	Xylene	Lithuanian Hygiene Standard HN 23 (Lithuania, 1/2024) [ksilenas, mišrūs izomerai, grynas] Absorbed through skin. STEL 15 minutes: 442 mg/m ³ . TWA 8 hours: 50 ppm. STEL 15 minutes: 100 ppm. TWA 8 hours: 221 mg/m ³ .
	iso-butanol	Lithuanian Hygiene Standard HN 23 (Lithuania, 1/2024) Absorbed through skin. TWA 8 hours: 10 mg/m ³ .
	Ethylbenzene	Lithuanian Hygiene Standard HN 23 (Lithuania, 1/2024) Absorbed through skin. TWA 8 hours: 442 mg/m ³ . TWA 8 hours: 100 ppm. STEL 15 minutes: 884 mg/m ³ . STEL 15 minutes: 200 ppm.
D	ate of issue/Date of revision : 23/04/2025	Date of previous issue : 23/02/2024 Version : 9 11/35

Xylene		Grand-Duchy Regu (Luxembourg, 3/20) Absorbed through sk TWA 8 hours: 50 p TWA 8 hours: 221 STEL 15 minutes: 4 STEL 15 minutes: 4	21) [xylène Isomèr kin. pm. mg/m³. 100 ppm.	ical agents. Annex I es mixtes, pures]
Ethylbenzene			21) Absorbed throug ppm. mg/m ³ . 200 ppm.	ical agents. Annex I gh skin.
Xylene		EU OEL (Europe, 1 through skin. TWA 8 hours: 50 p TWA 8 hours: 221 STEL 15 minutes: STEL 15 minutes: 4	pm. mg/m³. 100 ppm.	ed isomers] Absorbed
Ethylbenzene		EU OEL (Europe, 1 TWA 8 hours: 100 TWA 8 hours: 442 STEL 15 minutes: 2 STEL 15 minutes: 3	/ 2022) Absorbed thr ppm. mg/m ³ . 200 ppm.	ough skin.
Xylene		(Netherlands, 5/202 through skin. TWA 8 hours: 210 STEL 15 minutes: 4 STEL 15 minutes: TWA 8 hours: 47.5	2 4) [xyleen, o-, m-, mg/m ³ . 442 mg/m ³ . 100 ppm. ppm.	ment, Legal limit values p-isomeren] Absorbed
Ethylbenzene		Ministry of Social A (Netherlands, 5/202) TWA 8 hours: 215 STEL 15 minutes: 4 STEL 15 minutes: 9 TWA 8 hours: 48.6	24) Absorbed throug mg/m ³ . 430 mg/m ³ . 97.3 ppm.	ment, Legal limit values h skin.
Xylene		FOR-2011-12-06-13 through skin. TWA 8 hours: 25 p TWA 8 hours: 108	pm.	22) [xylen] Absorbed
iso-butanol			-	22) Absorbed through skin.
Ethylbenzene			m.	22) Carc. Absorbed through
Xylene		of June 12, 2018 or and intensities of fa environment (Jour	n the maximum per actors harmful to h nal of Laws of 2018 nixed isomers (1,2-, mg/m ³ .	Labor and Social Policy missible concentrations health in the work 3, item 1286) (Poland, 1,3-, 1,4-)] Absorbed
iso-butanol		of June 12, 2018 or and intensities of f	n the maximum per actors harmful to h nal of Laws of 2018 prough skin.	Labor and Social Policy missible concentrations nealth in the work 3, item 1286) (Poland,
Date of issue/Date of revision	: 23/04/2025 Da	ate of previous issue	: 23/02/2024	Version : 9 12/35

-		
	Ethylbenzene	STEL 15 minutes: 200 mg/m ³ . Regulation of the Minister of Family, Labor and Social Policy of June 12, 2018 on the maximum permissible concentrations and intensities of factors harmful to health in the work environment (Journal of Laws of 2018, item 1286) (Poland, 8/2023) Absorbed through skin. TWA 8 hours: 200 mg/m ³ . STEL 15 minutes: 400 mg/m ³ .
	Xylene	Portuguese Institute of Quality (Portugal, 11/2014) [xileno (isómeros o, m & p)] A4. TWA 8 hours: 100 ppm. STEL 15 minutes: 150 ppm.
	iso-butanol	Portuguese Institute of Quality (Portugal, 11/2014) TWA 8 hours: 50 ppm.
	Ethylbenzene	Portuguese Institute of Quality (Portugal, 11/2014) A3. TWA 8 hours: 20 ppm.
	Xylene	HG 1218/2006, Annex 1, with subsequent modifications and additions (Romania, 3/2024) [xilen] Absorbed through skin. VLA 8 hours: 221 mg/m ³ . VLA 8 hours: 50 ppm. Short term 15 minutes: 442 mg/m ³ . Short term 15 minutes: 100 ppm.
	iso-butanol	HG 1218/2006, Annex 1, with subsequent modifications and additions (Romania, 3/2024) VLA 8 hours: 100 mg/m ³ . VLA 8 hours: 33 ppm. Short term 15 minutes: 200 mg/m ³ . Short term 15 minutes: 66 ppm.
	Ethylbenzene	HG 1218/2006, Annex 1, with subsequent modifications and additions (Romania, 3/2024) Absorbed through skin. VLA 8 hours: 442 mg/m ³ . VLA 8 hours: 100 ppm. Short term 15 minutes: 884 mg/m ³ . Short term 15 minutes: 200 ppm.
	Solvent naphtha (petroleum), light aromatic	HG 1218/2006, Annex 1, with subsequent modifications and additions (Romania, 3/2024) [Solvent nafta] Absorbed through skin. VLA 8 hours: 100 mg/m ³ . Short term 15 minutes: 200 mg/m ³ .
	Xylene	Government regulation SR c. 355/2006 (Slovakia, 7/2024) [xylén, zmiešané izoméry] Absorbed through skin, Inhalation sensitiser. TWA 8 hours: 221 mg/m ³ (xylene, mixed isomers). TWA 8 hours: 50 ppm (xylene, mixed isomers). STEL 15 minutes: 442 mg/m ³ (xylene, mixed isomers). STEL 15 minutes: 100 ppm (xylene, mixed isomers).
	iso-butanol	Government regulation SR c. 355/2006 (Slovakia, 7/2024) [butylalkoholy] Inhalation sensitiser. TWA 8 hours: 310 mg/m ³ (Butyl alkohols). TWA 8 hours: 100 ppm (Butyl alkohols).
	Ethylbenzene	Government regulation SR c. 355/2006 (Slovakia, 7/2024) Absorbed through skin , Inhalation sensitiser. TWA 8 hours: 442 mg/m ³ . TWA 8 hours: 100 ppm. STEL 15 minutes: 884 mg/m ³ . STEL 15 minutes: 200 ppm.
Da	te of issue/Date of revision : 23/04/2025	Date of previous issue : 23/02/2024 Version : 9 13/35

Xylene	Regulation on protection of workers from the risks related to
	exposure to chemical substances at work (Slovenia, 4/2024) [ksilen] Absorbed through skin.
	TWA 8 hours: 221 mg/m ³ .
	TWA 8 hours: 50 ppm.
	KTV 15 minutes: 442 mg/m ³ 4 times per shift [time between two
	exposure events at this concentration must be at least 60 minutes].
	KTV 15 minutes: 100 ppm 4 times per shift [time between two exposure events at this concentration must be at least 60 minutes].
iso-butanol	Regulation on protection of workers from the risks related to
	exposure to chemical substances at work (Slovenia, 4/2024)
	TWA 8 hours: 310 mg/m ³ .
	TWA 8 hours: 100 ppm.
	KTV 15 minutes: 310 mg/m ³ 4 times per shift [time between two
	exposure events at this concentration must be at least 60 minutes]. KTV 15 minutes: 100 ppm 4 times per shift [time between two
	exposure events at this concentration must be at least 60 minutes].
Ethylbenzene	Regulation on protection of workers from the risks related to
	exposure to chemical substances at work (Slovenia, 4/2024)
	Absorbed through skin.
	TWA 8 hours: 442 mg/m ³ .
	TWA 8 hours: 100 ppm. KTV 15 minutes: 884 mg/m ³ 4 times per shift [time between two
	exposure events at this concentration must be at least 60 minutes].
	KTV 15 minutes: 200 ppm 4 times per shift [time between two
	exposure events at this concentration must be at least 60 minutes].
Xylene	National institute of occupational safety and health (Spain,
	1/2024) [xileno, mezcla isómeros] Absorbed through skin.
	TWA 8 hours: 50 ppm.
	TWA 8 hours: 221 mg/m ³ .
	STEL 15 minutes: 100 ppm.
iso-butanol	STEL 15 minutes: 442 mg/m ³ . National institute of occupational safety and health (Spain,
	1/2024)
	TWA 8 hours: 50 ppm.
	TWA 8 hours: 154 mg/m ³ .
Ethylbenzene	National institute of occupational safety and health (Spain,
	1/2024) Absorbed through skin.
	TWA 8 hours: 100 ppm. TWA 8 hours: 441 mg/m³.
	STEL 15 minutes: 200 ppm.
	STEL 15 minutes: 884 mg/m ³ .
Xylene	Work environment authority Regulation 2018:1 (Sweden,
	11/2022) [xylene] Absorbed through skin.
	TWA 8 hours: 50 ppm.
	TWA 8 hours: 221 mg/m ³ .
	STEL 15 minutes: 100 ppm. STEL 15 minutes: 442 mg/m³.
iso-butanol	Work environment authority Regulation 2018:1 (Sweden,
	11/2022) Absorbed through skin.
	TWA 8 hours: 50 ppm.
	TWA 8 hours: 150 mg/m ³ .
	STEL 15 minutes: 75 ppm.
[[thudhonzon -	STEL 15 minutes: 250 mg/m ³ .
Ethylbenzene	Work environment authority Regulation 2018:1 (Sweden, 11/2022) Absorbed through skin.
	TWA 8 hours: 50 ppm.
	TWA 8 hours: 220 mg/m ³ .
	STEL 15 minutes: 200 ppm.
	STEL 15 minutes: 884 mg/m ³ .
Date of issue/Date of revision :	23/04/2025 Date of previous issue : 23/02/2024 Version : 9 14/35
vale of 1330C/Date of 16413/011	20/07/2020 Date 01 previous issue . 20/02/2024 Version . 9 14/30

SECTION 8: Exposure controls/personal protection		
icant.		
o-,m-,		
d		

Biological exposure indices

Exposure indices
VGU BEI (Austria, 9/2020) [xylenes] BEI Fitness: 1000 μg/l, xylene [in blood]. Sampling time: one yea BEI Fitness: 1.5 g/l, methylhippuricacid [in urine]. Sampling time: one year.
Ministry of Labour and Social Policy and the Ministry of Health - Ordinance No 13/2003. (Bulgaria, 4/2024) Notes: significant skin resorption possible BLV: 2000 mg/g creatinine, mandelic acid and phenylglyoxylic acid – in total [in urine]. Sampling time: at the end of the exposure or at the end of the work shift.
 Ordinance on the protection of workers from exposure to hazardous chemicals at work, biological limit values (Annex IV) (Croatia, 12/2023) [xylene] BEI: 1.5 mg/l, xylene [in blood]. Sampling time: at the end of the work shift. BEI: 14.13 µmol/l, xylene [in blood]. Sampling time: at the end of the work shift. BEI: 0.88 mol/mol creatinine, methylhippuric acid [in urine]. Sampling time: at the end of the work shift. BEI: 1.5 g/g creatinine, methylhippuric acid [in urine]. Sampling time: at the end of the work shift.
Ordinance on the protection of workers from exposure to hazardous chemicals at work, biological limit values (Annex IV) (Croatia, 12/2023)

		•
		BEI: 1.5 mg/l, ethylbenzene [in blood]. Sampling time: during
		exposure. BEI: 14.1 µmol/l, ethylbenzene [in blood]. Sampling time: during
		exposure. BEI: 1.12 mol/mol creatinine, almond acid [in urine]. Sampling
		time: at the end of the work shift and at the end of the working
		week. BEI: 1.5 g/g creatinine, almond acid [in urine]. Sampling time: at
		the end of the work shift and at the end of the working week.
	No exposure indices known.	
	Xylene	Government regulation of Czech Republic Limit Values of
		Biological Exposure Tests (Czech Republic, 9/2015) [Xylene] Biological limit values: 820 µmol/mmol creatinine, methylhippuric
		acid [in urine]. Sampling time: end of the shift.
		Biological limit values: 1400 mg/g creatinine, methylhippuric acid [in urine]. Sampling time: end of the shift.
	Ethylbenzene	Government regulation of Czech Republic Limit Values of Biological Exposure Tests (Czech Republic, 9/2015)
		Biological limit values: 1100 µmol/mmol creatinine, almond acid
		[in urine]. Sampling time: end of the shift. Biological limit values: 1500 mg/g creatinine, almond acid [in
		urine]. Sampling time: end of the shift.
	No exposure indices known.	
	No exposure indices known.	
	No exposure indices known.	
	Xylene	Institute of Occupational Health, Ministry of Social Affairs
		(Finland, 9/2020) [Xylene] BEI: 5 mmol/l, methylhippuricacid [in urine]. Sampling time: at the
		end of the work shift.
	Ethylbenzene	Institute of Occupational Health, Ministry of Social Affairs
		(Finland, 9/2020) BEI: 5.2 mmol/l, mandelic acid [in urine]. Sampling time: after
		work shift at the end of the working week or exposure period.
	No exposure indices known.	
	Xylene	DFG BEI-values list (Germany, 7/2023) [Xylene (all isomers)]
		Notes: danger from percutaneous absorption (see p. 211 and p. 228).
		BEI: 2000 mg/l, methylhippuric acid (toluric acid) (all isomers) [in
		urine]. Sampling time: end of exposure or end of shift. TRGS 903 - BEI Values (Germany, 2/2024) [Xylene (all isomers)]
		BEI: 2000 mg/l, methylhippuric acid [in urine]. Sampling time: end
		of exposure or end of shift.
	Ethylbenzene	DFG BEI-values list (Germany, 7/2023) Notes: danger from
		percutaneous absorption (see p. 211 and p. 228). BEI: 250 mg/g creatinine, mandelic acid plus phenyl glyoxylic acid
		[in urine]. Sampling time: end of exposure or end of shift.
		TRGS 903 - BEI Values (Germany, 2/2024) BEI: 250 mg/g creatinine, mandelic acid plus phenylglyoxylic acid
		[in urine]. Sampling time: end of exposure or end of shift.
	No exposure indices known.	
	Xylene	5/2020. (II. 6.) ITM Decree (Hungary, 12/2023) [xylene]
		BEI: 1500 mg/g creatinine, methylhippuric acid [in urine]. Sampling time: at the end of the shift.
		BEI: 860 μmol/mmol creatinine, methylhippuric acid [in urine]. Sampling time: at the end of the shift.
_	Ethylbenzene	5/2020. (II. 6.) ITM Decree (Hungary, 12/2023)
D	ate of issue/Date of revision : 23/04/2025	Date of previous issue : 23/02/2024 Version : 9 16/35

SECTION 8: Exposure	controls/personal protection
	BEI: 1500 mg/g creatinine, mandelic acid [in urine]. Sampling time: at the end of the working week; at the end of the shift. BEI: 1110 μmol/mmol creatinine, mandelic acid [in urine]. Sampling time: at the end of the working week; at the end of the shift.
No exposure indices known.	
Xylene	NAOSH (Ireland, 1/2011) [Xylene] BMGV: 1.5 g/g creatinine, methylhippuric acids [in urine]. Sampling time: end of shift - As soon as possible after exposure ceases.
Ethylbenzene	 NAOSH (Ireland, 1/2011) BMGV: Semi-quantitative, the biological analyte is an indicator of exposure to the substance but the quantitative interpretation of the measurement is ambiguous. These analytes should be used as a screening test if a quantitative test is not practical; or as a confirmatory test if the quantitative test is not specific and the origin of the determinant is in question., ethylbenzene [in endexhaled air]. Sampling time: not critical. BMGV: 0.7 g/g creatinine [Semi-quantitative, the biological analyte is an indicator of exposure to the substance but the quantitative interpretation of the measurement is ambiguous. These analytes should be used as a screening test if a quantitative test is not practical; or as a confirmatory test if the quantitative test is not practical; or as a confirmatory test if a quantitative test is not practical; or as a confirmatory test if the quantitative test is not specific and the origin of the determinant is in question.], mandelic acid and phenylglyoxylic acid [in urine]. Sampling time: end of shift at end of workweek.
No exposure indices known.	
Xylene	Minister Cabinet Regulations No.325 - BEI (Latvia, 3/2024) [xylenes (all isomers)] BEI: 2000 mg/l, methylhippuric (toluric) acid (all isomers) [in urine]. Sampling time: at the end of the exposure or at the end of the shift.
No exposure indices known.	
Xylene	Portuguese Institute of Quality (Portugal, 11/2014) [Xylenes] BEI: 1.5 g/g creatinine, (o, m, p) -methyl-boronic acids [in urine]. Sampling time: end of shift.
Ethylbenzene	Portuguese Institute of Quality (Portugal, 11/2014) BEI: 0.7 g/g creatinine, sum of mandelic acid and phenylglyoxylic acid [in urine]. Sampling time: end of shift.
Xylene	HG 1218/2006, Annex 2, with subsequent modifications and additions (Romania, 3/2024) [Xylene] OBLV: 3 g/l, methylhippuric acid [in urine]. Sampling time: end of shift.
Ethylbenzene	HG 1218/2006, Annex 2, with subsequent modifications and additions (Romania, 3/2024) OBLV: 1.5 g/g creatinine, mandelic acid [in urine]. Sampling time: end of the week.
Date of issue/Date of revision	: 23/04/2025 Date of previous issue : 23/02/2024 Version : 9 17/35

Xylene	Government regulation SR c. 355/2006 (Slovakia, 5/2024) [xylene, all isomers] BLV: 781 μmol/mmol creatinine, as sum of 2,3,4-methylhippuroic acids [in urine]. Sampling time: at the end of exposure or work shift. BLV: 1334 mg/g creatinine, as sum of 2,3,4-methylhippuroic acids [in urine]. Sampling time: at the end of exposure or work shift. BLV: 10355 μmol/l, as sum of 2,3,4-methylhippuroic acids [in urine]. Sampling time: at the end of exposure or work shift. BLV: 14.6 μmol/l, as xylene [in blood]. Sampling time: at the end of exposure or work shift. BLV: 2000 mg/l, as sum of 2,3,4-methylhippuroic acids [in urine]. Sampling time: at the end of exposure or work shift. BLV: 1.5 mg/l, as xylene [in blood]. Sampling time: at the end of exposure or work shift.
Ethylbenzene	 Government regulation SR c. 355/2006 (Slovakia, 5/2024) BLV: 799 μmol/mmol creatinine, as mandelic acid and phenylglyoxylic acid [in urine]. Sampling time: at the end of exposure or work shift; long-term exposure: after several work shifts. BLV: 7.44 µmol/mmol creatinine, as 2 or 4-etylfenol [in urine]. Sampling time: at the end of exposure or work shift; long-term exposure: after several work shifts. BLV: 1067 mg/g creatinine, as mandelic acid and phenylglyoxylic acid [in urine]. Sampling time: at the end of exposure or work shift; long-term exposure: after several work shifts. BLV: 1067 mg/g creatinine, as mandelic acid and phenylglyoxylic acid [in urine]. Sampling time: at the end of exposure or work shift; long-term exposure: after several work shifts. BLV: 8.03 mg/g creatinine, as 2 or 4-etylfenol [in urine]. Sampling time: at the end of exposure or work shift; long-term exposure: after several work shifts. BLV: 10590 µmol/l, as mandelic acid and phenylglyoxylic acid [in urine]. Sampling time: at the end of exposure or work shift; long-term exposure: after several work shifts. BLV: 10590 µmol/l, as 2 or 4-etylfenol [in urine]. Sampling time: at the end of exposure or work shift; long-term exposure: after several work shifts. BLV: 98.6 µmol/l, as 2 or 4-etylfenol [in urine]. Sampling time: at the end of exposure or work shift; long-term exposure: after several work shifts. BLV: 1600 mg/l, as mandelic acid and phenylglyoxylic acid [in urine]. Sampling time: at the end of exposure or work shift; long-term exposure: after several work shifts. BLV: 12 mg/l, as 2 or 4-etylfenol [in urine]. Sampling time: at the end of exposure or work shifts. BLV: 12 mg/l, as 2 or 4-etylfenol [in urine]. Sampling time: at the end of exposure or work shifts.
Xylene	Regulation on protection of workers from the risks related to exposure to chemical substances at work (Slovenia, 4/2024) [xylene (all isomers)] BAT: 2 g/l, methylhippuric acid (all isomers) [in urine]. Sampling time: at the end of the work shift.
Ethylbenzene	Regulation on protection of workers from the risks related to exposure to chemical substances at work (Slovenia, 4/2024) BAT: 250 mg/g creatinine, mandelic acid and phenylglyoxylic acid [in urine]. Sampling time: at the end of the work shift.
Xylene	National institute of occupational safety and health (Spain, 1/2024) [Xylenes] VLB: 1 g/g creatinine, methylhippuric acids [in urine]. Sampling time: end of shift.
Ethylbenzene	National institute of occupational safety and health (Spain, 1/2024) VLB: 700 mg/g creatinine, sum of mandelic acid and acid and phenylglyoxylic acid [in urine]. Sampling time: end of workweek.
No exposure indices known.	
Date of issue/Date of revision : 2	3/04/2025 Date of previous issue : 23/02/2024 Version : 9 18/35

INERTA PRIMER 5 - All variants

ſ

Xylene	e controls/personal protection SUVA (Switzerland, 1/2024) [Xylene, all isomers]
Xylene	BEI: 2 g/l, methyl hippuric acid [in urine]. Sampling time: immediately after exposure or after working hours.
Ethylbenzene	SUVA (Switzerland, 1/2024) BEI: 600 mg/g creatinine, mandelic acid + phenylglyoxylic acid [in urine]. Sampling time: immediately after exposure or after working hours.
Xylene	EH40/2005 BMGVs (United Kingdom (UK), 1/2020) [Xylene, o-, m-, p- or mixed isomers] BGV: 650 mmol/mol creatinine, methyl hippuric acid [in urine]. Sampling time: post shift.
Recommended monitoring procedures	: Reference should be made to monitoring standards, such as the following: European Standard EN 689 (Workplace atmospheres - Guidance for the assessment of exposure by inhalation to chemical agents for comparison with limit values and measurement strategy) European Standard EN 14042 (Workplace atmospheres - Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents) European Standard EN 482 (Workplace atmospheres - General requirements for the performance of procedure for the measurement of chemical agents) Reference to national guidance documents for methods for the determination of hazardous substances will also be required.
DNELs/DMELs	
Product/ingredient name	Result
Xylene	DNEL - General population - Long term - Oral 5 mg/kg bw/day <u>Effects</u> : Systemic
	DNEL - General population - Long term - Inhalation 65.3 mg/m ³ <u>Effects</u> : Local
	DNEL - General population - Long term - Inhalation 65.3 mg/m ³ <u>Effects</u> : Systemic
	DNEL - General population - Long term - Dermal 125 mg/kg bw/day <u>Effects</u> : Systemic
	DNEL - Workers - Long term - Dermal 212 mg/kg bw/day <u>Effects</u> : Systemic
	DNEL - Workers - Long term - Inhalation 221 mg/m³ <u>Effects</u> : Local
	DNEL - Workers - Long term - Inhalation 221 mg/m ³ <u>Effects</u> : Systemic
	DNEL - General population - Short term - Inhalation 260 mg/m ³ Effects: Local
	DNEL - General population - Short term - Inhalation 260 mg/m ³ Effects: Systemic
	DNEL - Workers - Short term - Inhalation 442 mg/m³ <u>Effects</u> : Local

: 23/04/2025 Date of previous issue

: 23/02/2024

ECTION 8: Exposure controls/pe	-
	DNEL - Workers - Short term - Inhalation 442 mg/m ³ <u>Effects</u> : Systemic
titanium dioxide	DNEL - General population - Long term - Inhalation 28 µg/m³ <u>Effects</u> : Local
	DNEL - Workers - Long term - Inhalation 170 μg/m³ <u>Effects</u> : Local
iso-butanol	DNEL - General population - Long term - Inhalatior 55 mg/m ³ <u>Effects</u> : Local
	DNEL - Workers - Long term - Inhalation 310 mg/m ³ <u>Effects</u> : Local
Ethylbenzene	DMEL - Workers - Long term - Inhalation 442 mg/m³ <u>Effects</u> : Local
	DMEL - Workers - Short term - Inhalation 884 mg/m ³ Effects: Systemic
	DNEL - General population - Long term - Oral 1.6 mg/kg bw/day <u>Effects</u> : Systemic
	DNEL - General population - Long term - Inhalatior 15 mg/m ³ <u>Effects</u> : Systemic
	DNEL - Workers - Long term - Inhalation 77 mg/m ³ <u>Effects</u> : Systemic
	DNEL - Workers - Long term - Dermal 180 mg/kg bw/day <u>Effects</u> : Systemic
	DNEL - Workers - Short term - Inhalation 293 mg/m³ <u>Effects</u> : Local
Solvent naphtha (petroleum), light aromatic	DNEL - General population - Long term - Inhalatior 0.41 mg/m ³ <u>Effects</u> : Systemic
	DNEL - Workers - Long term - Inhalation 1.9 mg/m ³ <u>Effects</u> : Systemic
	DNEL - General population - Long term - Inhalatior 178.57 mg/m ³ <u>Effects</u> : Local
	DNEL - General population - Short term - Inhalation 640 mg/m ³ <u>Effects</u> : Local
	DNEL - Workers - Long term - Inhalation 837.5 mg/m ³

	Effects: Local
	DNEL - Workers - Short term - Inhalation 1066.67 mg/m³ <u>Effects</u> : Local
	DNEL - General population - Short term - Inhalation 1152 mg/m ³ <u>Effects</u> : Systemic
	DNEL - Workers - Short term - Inhalation 1286.4 mg/m³ <u>Effects</u> : Systemic
PNECs Not available.	
8.2 Exposure controls	
Appropriate engineering controls	: Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapour or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment.
Individual protection meas	<u>ures</u>
Hygiene measures	: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.
Eye/face protection	: Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles and/or face shield. If inhalation hazards exist, a full-face respirator may be required instead.
Skin protection	
Hand protection	: Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.
	Recommendations : Wear suitable gloves tested to EN374.
	< 1 hour (breakthrough time): Nitrile gloves. thickness > 0.3 mm
	> 8 hours (breakthrough time): 4H / Silver Shield® gloves.
	Wash hands before breaks and immediately after handling the product.
Body protection	: Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. When there is a risk of ignition from static electricity, wear anti-static protective clothing. For the greatest protection from static discharges, clothing should include anti-static overalls, boots and gloves. Refer to European Standard EN 1149 for further information on material and design requirements and test methods.
Other skin protection	 Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
Date of issue/Date of revision	: 23/04/2025 Date of previous issue : 23/02/2024 Version : 9 21/35
Date of ISSUE/Date of revision	: 23/04/2025 Date of previous issue : 23/02/2024 Version : 9 21/35

Respiratory protection	: Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.
	Filter type: A
	Filter type (spray application): A P
Environmental exposure controls	: Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

SECTION 9: Physical and chemical properties

The conditions of measurement of all properties are at standard temperature and pressure unless otherwise indicated.

9.1 Information on basic physical and chemical properties

	· · · · · · · · · · · · · · · · · · ·
Appearance	
Physical state	: Liquid.
Colour	: Various
Odour	: Slight
Odour threshold	: Not available.
Melting point/freezing point	: Not available.
Initial boiling point and boiling range	:

Ingredient name	°C	°F	Method
iso-butanol	108	226.4	OECD 103
Solvent naphtha (petroleum), light aromatic	135 to 210	275 to 410	

Flammability	nmability
--------------	-----------

Flash point

Not available.Lower: 0.8% (xylene)

Lower and upper explosion limit : Lower: 0.8% (xylene) Upper: 7.6% (Solvent naphtha (petroleum), light arom.)

: Closed cup: 25°C (77°F)

2

ŝ,

Auto-ignition temperature

Ingredient name Solvent naphtha (petroleum), light aromatic iso-butanol		°C	°F	Method	
		280 to 470	536 to 878		
		415	779		
Decomposition temperature	: Not a	vailable.			
pH	: Not a	pplicable.			
Viscosity	: Kinen	natic (40°C): >20	0.5 mm²/s		
Solubility(ies)	:				
Not available.					
Solubility in water	: Not a	vailable.			

Partition coefficient: n-octanol/ : Not applicable. water

Vapour pressure

	Va	Vapour Pressure at 20°C			Vapour pressure at 50°C		
Ingredient name	mm Hg	kPa	Method	mm Hg	kPa	Method	
iso-butanol	<12.00102	<1.6	DIN EN 13016-2				
Ethylbenzene	9.30076	1.2					
Relative density	: Not	available.		ł			
Density	: 1.7 g	g/cm³					
Vapour density	: Not	available.					

Date of issue/Date of revision INERTA PRIMER 5 - All variants : 23/04/2025 Date of previous issue

: 23/02/2024

SECTION 9: Physica	l and chemical	properties				
Particle characteristics						
Median particle size	: Not applicable	3.				
9.2 Other information						
9.2.1 Information with rega						
Explosive properties	: Not available.					
Oxidising properties 9.2.2 Other safety characte		: Not available.				
Not applicable.	15105					
SECTION 10: Stabili	ty and reactivity	V				
10.1 Reactivity	-	ata related to reactivity available for this product or its ingredients.				
10.2 Chemical stability	: The product is sta	able.				
10.3 Possibility of hazardous reactions	: Under normal cor	: Under normal conditions of storage and use, hazardous reactions will not occur.				
10.4 Conditions to avoid		: Avoid all possible sources of ignition (spark or flame). Do not pressurise, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition.				
10.5 Incompatible materials		: Reactive or incompatible with the following materials: oxidising materials				
10.6 Hazardous decomposition products	: Under normal conditions of storage and use, hazardous decomposition products should not be produced.					
SECTION 11: Toxico	logical informa	ation				
11.1 Information on hazard of Acute toxicity	classes as defined in	Regulation (EC) No 1272/2008				
Product/ingredient name		Result				
Xylene		Rat - Oral - LD50				
		4300 mg/kg <u>Toxic effects</u> : Liver - Other changes Kidney, Ureter, and Bladder - Other changes				
		Rat - Inhalation - LC50 Vapour 21.7 mg/l [4 hours]				
iso-butanol		Rat - Oral - LD50 2460 mg/kg				
		Rabbit - Dermal - LD50 3400 mg/kg				
		Rat - Inhalation - LC50 Vapour 19200 mg/m³ [4 hours]				
Ethylbenzene		Rat - Oral - LD50 3500 mg/kg				
		Rabbit - Dermal - LD50 15400 mg/kg				
		Rat - Inhalation - LC50 Dusts and mists 29000 mg/l [4 hours]				
Solvent naphtha (petroleum)), light aromatic	Rat - Oral - LD50				

: 23/04/2025

8400 mg/kg Date of previous issue

SECTION 11: Toxicological information

<u>Toxic effects</u>: Behavioral - Somnolence (general depressed activity) Behavioral - Tremor Lung, Thorax, or Respiration - Other changes

Conclusion/Summary [Product] : Not available.

Acute toxicity estimates

Product/ingredient name	Oral (mg/ kg)	Dermal (mg/kg)	Inhalation (gases) (ppm)	Inhalation (vapours) (mg/l)	Inhalation (dusts and mists) (mg/l)
INERTA PRIMER 5	N/A	7551.7	N/A	62.0	N/A
Xylene	4300	1100	N/A	11	N/A
iso-butanol	2460	3400	N/A	N/A	N/A
Ethylbenzene	3500	15400	N/A	11	29000
Solvent naphtha (petroleum), light aromatic	8400	N/A	N/A	N/A	N/A

Skin corrosion/irritation

Product/ingredient name reaction product: bisphenol-A- (epichlorhydrin); epoxy resin	Result Rabbit - Skin - Moderate irritant Duration of treatment/exposure: 24 hours Amount/concentration applied: 500 uL
	Rabbit - Skin - Severe irritant Duration of treatment/exposure: 24 hours Amount/concentration applied: 2 mg
Xylene	Rat - Skin - Mild irritant Duration of treatment/exposure: 8 hours Amount/concentration applied: 60 uL
	Rabbit - Skin - Moderate irritant Duration of treatment/exposure: 24 hours Amount/concentration applied: 500 mg
	Rabbit - Skin - Moderate irritant Amount/concentration applied: 100 %
titanium dioxide	Human - Skin - Mild irritant Duration of treatment/exposure: 72 hours Amount/concentration applied: 300 ug l
Ethylbenzene	Rabbit - Skin - Mild irritant Duration of treatment/exposure: 24 hours Amount/concentration applied: 15 mg

Conclusion/Summary [Product] : Not available.

Product/ingredient name		Result		
reaction product: bisphenol-A- (epichlorhydrin); epoxy resin		Rabbit - Eyes Amount/conce	- Mild irritant ntration applied: 100 mg	
Xylene		Rabbit - Eyes Amount/conce	- Mild irritant ntration applied: 87 mg	
			- Severe irritant	
		-	<u>atment/exposure</u> : 24 hou <u>ntration applied</u> : 5 mg	irs
Ethylbenzene		Rabbit - Eyes	- Severe irritant	
Date of issue/Date of revision	: 23/04/2025	Date of previous issue	: 23/02/2024	Version

SECTION 11: Toxicological information

Amount/concentration applied: 500 mg	
--------------------------------------	--

Solvent naphtha (petroleum), light aromatic

Rabbit - Eyes - Mild irritant

Duration of treatment/exposure: 24 hours Amount/concentration applied: 100 uL

Conclusion/Summary [Product] : Not available.

Respiratory corrosion/irritation

Not available.

Conclusion/Summary [Product] : Not available.

Respiratory or skin sensitization

Not available.

Skin	
Conclusion/Summary [Product]	: Not available.

Respiratory Conclusion/Summary [Product] : Not available.

Germ cell mutagenicity

Not available.

Conclusion/Summary [Product] : Not available.

Carcinogenicity

It has been observed that the carcinogenic hazard of this product arises when respirable dust is inhaled in quantities leading to significant impairment of particle clearance mechanisms in the lung. Not available.

Conclusion/Summary [Product] : Not available.

Reproductive toxicity

Not available.

Conclusion/Summary [Product] : Not available.

Specific target organ toxicity (single exposure)

Product/ingredient name	Result
Xylene	STOT SE 3, H335 (Respiratory tract irritation)
iso-butanol	STOT SE 3, H335 (Respiratory tract irritation)
	STOT SE 3, H336 (Narcotic effects)
Solvent naphtha (petroleum), light aromatic	STOT SE 3, H335 (Respiratory tract irritation)
	STOT SE 3, H336 (Narcotic effects)

Specific target organ toxicity (repeated exposure)ResultProduct/ingredient nameResultXyleneSTOT RE 2, H373 (oral, inhalation)EthylbenzeneSTOT RE 2, H373 (hearing organs) (oral, inhalation)Aspiration hazardProduct/ingredient nameProduct/ingredient nameResult

: 23/04/2025

Date of issue/Date of revision INERTA PRIMER 5 - All variants Date of previous issue

SECTION 11: Toxico	iogical inform	lation
Xylene Ethylbenzene Solvent naphtha (petroleum)	, light aromatic	ASPIRATION HAZARD - Category 1 ASPIRATION HAZARD - Category 1 ASPIRATION HAZARD - Category 1
Information on likely routes	of exposure	
Not available.		
Potential acute health effec	<u>ts</u>	
Eye contact	: Causes serious	s eye damage.
Inhalation	: May cause resp	piratory irritation.
Skin contact	: Causes skin irr	itation. May cause an allergic skin reaction.
Ingestion	: No known signi	ificant effects or critical hazards.
Symptoms related to the ph	iysical, chemical a	nd toxicological characteristics
Eye contact	: Adverse sympto pain watering redness	oms may include the following:
Inhalation	: Adverse symptor respiratory trac coughing	oms may include the following: t irritation
Skin contact	: Adverse sympto pain or irritation redness blistering may o	
Ingestion	: Adverse symptons	oms may include the following:
Delayed and immediate effe	ects as well as chro	onic effects from short and long-term exposure
<u>Short term exposure</u>		
Potential immediate effects	: Not available.	
Potential delayed effects	: Not available.	
Long term exposure		
Potential immediate effects	: Not available.	
Potential delayed effects	: Not available.	
Potential chronic health efformation of the second	<u>ects</u>	
Conclusion/Summary [Pro	oduct] : Not avail	able.
General		nage to organs through prolonged or repeated exposure. Once evere allergic reaction may occur when subsequently exposed to
Carcinogenicity	: No known signi	ificant effects or critical hazards.
Mutagenicity	: No known signi	ificant effects or critical hazards.
Reproductive toxicity	: No known signi	ificant effects or critical hazards.
1.2 Information on other has 11.2.1 Endocrine disrupting Not available.		
Conclusion/Summary [Pro	disrupting	luct does not meet the criteria to be considered as having endocrine g properties according to the criteria set out in either Regulation (EC 7/2006 or Regulation (EC) No 1272/2008.
11.2.2 Other information	110. 1001	,

11.2.2 Other information

Not available.

: 23/04/2025 Date of previous issue

: 23/02/2024

SECTION 12: Ecological information

12.1 Toxicity	
Product/ingredient name	Result
titanium dioxide	Acute - LC50 - Marine water
	Fish - Mummichog - <i>Fundulus heteroclitus</i>
	>1000000 µg/l [96 hours]
	Effect: Mortality
	Acute - LC50 - Fresh water
	Crustaceans - Water flea - Ceriodaphnia dubia - Neonate
	Age: <24 hours
	3 mg/l [48 hours]
	<u>Effect</u> : Mortality
iso-butanol	Acute - LC50 - Fresh water
	Fish - Rainbow trout,donaldson trout - Oncorhynchus mykiss
	<u>Weight</u> : 1.67 g
	1330000 µg/l [96 hours]
	<u>Effect</u> : Mortality
	Acute - LC50 - Marine water
	Crustaceans - Brine shrimp - Artemia salina
	600 mg/l [48 hours]
	<u>Effect</u> : Mortality
Trizinc bis(orthophosphate)	Acute - EC50
	Crustaceans - Ceriodaphnia dubia
	0.96 mg/l [48 hours]
	Acute - EC50
	Algae - Selenastrum capricornutum
	0.32 mg/l [72 hours]
Solvent naphtha (petroleum), light aromatic	Acute - LC50
	Fish
	9.2 mg/l [96 hours]
	Acute - EC50
	Daphnia
	3.2 mg/l [48 hours]
Conclusion/Summary [Product] : Not ava	ilable.
10.0 Develotence and de sus debilites	
12.2 Persistence and degradability	

Product/ingredient nameResultiso-butanol74% [28 days] - Readily

Conclusion/Summary [Product] : Not available.

I	Product/ingredient name	Aquatic half-life	Photolysis	Biodegradability
i	so-butanol	-	-	Readily

12.3 Bioaccumulative potential

2.64 to 3.78	31	
	51	Low
3.12	8.1 to 25.9	Low
1	-	Low
3.6	-	Low
-	60960	High
-	10 to 2500	High
: 23/04/2025 Date o	f previous issue : 23/02/202	24 Version : 9 27/35
	3.6	-

INERTA PRIMER 5 - All variants

Label No : 115813

SECTION 12: Ecological information

12.4 Mobility in soil

Soil/water partition coefficient

Product/ingredient name	logKoc	Кос
iso-butanol	1.08	12.0246
Ethylbenzene	2.23	170.406

Results of PMT and vPvM assessment

Product/ingredient name	PMT	Р	Μ	Т	vPvM	vP	٧M
reaction product: bisphenol- A-(epichlorhydrin); epoxy resin	No	No	No	No	No	No	No
Xylene	No	No	No	No	No	No	No
titanium dioxide	No	No	No	No	No	No	No
iso-butanol	No	No	No	No	No	No	No
Ethylbenzene	No	No	No	No	No	No	No
Trizinc bis(orthophosphate)	No	No	No	No	No	No	No
Solvent naphtha (petroleum), light aromatic	No	No	No	No	No	No	No
Mobility	: Not av	ailable.			1		

Conclusion/Summary

: The product does not meet the criteria to be considered as a PMT or vPvM.

12.5 Results of PBT and vPvB assessment Regulation (EC) No. 1907/2006 [REACH]

Product/ingredient name	PBT	Р	В	т	vPvB	vP	vB
reaction product: bisphenol- A-(epichlorhydrin); epoxy resin	No	No	No	No	No	No	No
Xylene	No	No	No	No	No	No	No
titanium dioxide	No	No	No	No	No	No	No
iso-butanol	No	No	No	No	No	No	No
Ethylbenzene	No	No	No	No	No	No	No
Trizinc bis(orthophosphate)	No	No	No	No	No	No	No
Solvent naphtha (petroleum), light aromatic	No	No	No	No	No	No	No

Regulation (EC) No. 1272/2008 [CLP]

Product/ingredient name	PBT	Ρ	В	т	vPvB	vP	vB
reaction product: bisphenol- A-(epichlorhydrin); epoxy resin	No	No	No	No	No	No	No
Xylene	No	No	No	No	No	No	No
titanium dioxide	No	No	No	No	No	No	No
iso-butanol	No	No	No	No	No	No	No
Ethylbenzene	No	No	No	No	No	No	No
Trizinc bis(orthophosphate)	No	No	No	No	No	No	No
Solvent naphtha (petroleum), light aromatic	No	No	No	No	No	No	No

Conclusion/Summary Regulation (EC) No. 1272/2008 [CLP] : The product does not meet the criteria to be considered as a PBT or vPvB.

12.6 Endocrine disrupting properties

Not available.

Conclusion/Summary [Product]

: The product does not meet the criteria to be considered as having endocrine disrupting properties according to the criteria set out in either Regulation (EC) No. 1907/2006 or Regulation (EC) No 1272/2008.

SECTION 12: Ecological information

12.7 Other adverse effects

No known significant effects or critical hazards.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product	
Methods of disposal	: The generation of waste should be avoided or minimised wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction.
European waste catalogue (EWC)	: 080111*, 200127*
Packaging	
Methods of disposal	: The generation of waste should be avoided or minimised wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.
Special precautions	: This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Vapour from product residues may create a highly flammable or explosive atmosphere inside the container. Do not cut, weld or grind used containers unless they have been cleaned thoroughly internally. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

SECTION 14: Transport information

	ADR/R	D	ADN	IMDG	ΙΑΤΑ
14.1 UN number or ID number	UN1263	UN12	63	UN1263	UN1263
14.2 UN proper shipping name	PAINT	PAIN	Т	PAINT	Paint
14.3 Transport hazard class(es)	3	3		3	3
14.4 Packing group				Ш	
14.5 Environmental hazards	No.	No.		No.	No.
Additional informa ADR/RID ADN	: <u>Vi</u> pa <u>Ti</u> : <u>Vi</u> pa	ackagings up to <u>unnel code</u> (D/E <u>scous liquid ex</u> ackagings up to	450 L according to E) (ception This clas 450 L according to	o 2.2.3.1.5.1. ss 3 viscous liquid is not o 2.2.3.1.5.1.	t subject to regulation in t subject to regulation in
IMDG			cception This clas 450 L according to		t subject to regulation in
14.6 Special precau user	14.6 Special precautions for : Transport within user's premises: always transport in closed containers that a upright and secure. Ensure that persons transporting the product know what to o the event of an accident or spillage.				
Date of issue/Date of re	vision :	23/04/2025 Date	of previous issue	: 23/02/2024	Version : 9 29/35
INERTA PRIMER 5 - All variants					Label No : 115813

SECTION 14: Transport information

14.7 Maritime transport in bulk according to IMO instruments

: Not relevant/applicable due to nature of the product.

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture EU Regulation (EC) No. 1907/2006 (REACH)

Annex XIV - List of substances subject to authorisation

Annex XIV

None of the components are listed.

Substances of very high concern

None of the components are listed.

Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles

		%	Designation [Usage]	
INERTA PRIMER 5		≥90	3	
Labelling	:	<u></u>	•	
ther EU regulations				
Industrial emissions (integrated pollution prevention and control) - Air	: Not listed			
ndustrial emissions (integrated pollution prevention and control) - Water	: Not listed			
Explosive precursors	: Not applicat	ole.		
Ozone depleting substand	ces (EU 2024/59	<u>0)</u>		
Not listed.				
Prior Informed Consent (P	PIC) (649/2012/E	<u>U)</u>		
Not listed.				
Seveso Directive This product is controlled ur Danger criteria	nder the Seveso	Directive.		
Category				
P5c				
ational regulations				
<u>Austria</u>				
Limitation of the use of	: Permitted.			
organic solvents				
-				
<u>Belgium</u>	nts annex VI.2-	<u>1 - VI.2-3</u>		
Belgium Book VI carcinogenic age	nts annex VI.2-	<u>1 - VI.2-3</u>		Status
organic solvents Belgium Book VI carcinogenic age Ingredient name Silice Silice	nts annex VI.2-	<u>1 - VI.2-3</u>		Status Listed Listed

<u>Denmark</u> Fire class Executive Order No. 1795/2	: II-1 2015				
executive Order No. 1795/2					
	2015				
and a state of the second			_		
ngredient name		Annex I Section A	Annex I Section B		
itanium dioxide Ethylbenzene		Listed Listed	-		
IAL-code	: 4-6				
Protection based on MAL		ns on work involving coded p se of personal protective equi			
	coveralls/protective clothing clothes do not adequately pro shield must be worn in work case, other recommended us	orn for all work that may result ir must be worn when soiling is so otect skin against contact with th involving spattering if a full mash se of eye protection is not requir which there is return spray, the fo	great that regular work ne product. A face < is not required. In this ed.		
	In all spraying operations in which there is return spray, the following must be worn: respiratory protection and arm protectors/apron/coveralls/protective clothing as appropriate or as instructed.				
	MAL-code: 4-6 Application: When using scraper or knife, brush, roller etc. for pre- and post- treatments in a spray booth where the operator is outside the spray zone and when working in similar new* facilities of the combined-cabin, spray-cabin and spray-booth type where the operator is working inside the spray zone. When spraying in new* booths and cabins with non-atomizing guns.				
	- Protective clothing must be worn.				
	When using scraper or knife, brush, roller, etc, for pre- and post-treatments in cabins or booths of the existing* facility type, if the operator is inside the spray zone. When using scraper or knife, brush, roller, etc. for pre- and post-treatments outside a closed facility, spray booth or spray cabin.				
	- Air-supplied half mask, prot	tective clothing and eye protection	on must be worn.		
	When spraying in new* boot	hs if the operator is outside the s	spray zone.		
	- Air-supplied half mask and	eye protection must be worn.			
	During non-atomising sprayin cabin and spray-booth type v During downtimes, cleaning	pray booths, if the operator is oung in existing* facilities of the converse the operator is working instand repair in closed facilities, spowet paint or organic solvents.	mbined-cabin, spray- side the spray zone.		
	- Air-supplied full mask and p	protective clothing must be worn			
		omisation occurs in cabins or spi zone and during spraying outside			
	- Air-supplied full mask prote	ective clothing and hood must be	e worn.		

SECTION 15: Regulatory information

	Drying: Items for drying/drying ovens that are temporarily placed on such things as rack trolleys, etc, must be equipped with a mechanical exhaust system to prevent fumes from wet items from passing through workers' inhalation zone.	
	Polishing: When polishing treated surfaces, a When machine grinding, eye protection must be worn.	
	Caution The regulations contain other stipulati	ions in addition to the above.
	*See Regulations.	
Restrictions on use	Not to be used by professional users below 18 y Working Environment Authorities Executive Ord	, ,
List of undesirable substances	Not listed	
Carcinogenic waste	Waste containers must be labeled: Contains a s by Danish working environment legislation on c	
Finland		
<u>France</u>		
Social Security Code,	Xylene	RG 4bis, RG 84
Articles L 461-1 to L 461-7	iso-butanol Ethylbenzene	RG 84 RG 84
	Solvent naphtha (petroleum), light aromatic	RG 84
Reinforced medical surveillance	Act of July 11, 1977 determining the list of activ medical surveillance: not applicable	ities which require reinforced
<u>Germany</u>		
Storage class (TRGS 510)	3	
Hazardous incident ordinal	<u>e</u>	

This product is controlled under the Germany Hazardous Incident Ordinance.

Danger criteria

Cate	egory	Reference number
P5c		1.2.5.3

Hazard class for water : 2

Technical instruction on air quality control (TA Luft)

Number [Class]	Description	%
5.2.1	Total dust	56.7
5.2.5	Organic substances	41.2
5.2.5 [1]	Organic substances	23.9
5.2.10	Soil polluting substances	2
AOX	: The product contains organically bound halogens and o value in waste water.	can contribute to the AOX

Italy

D.Lgs. 152/06 : Not determined.

Netherlands

Ministry of Social Affairs and Employment (SZW) - Carcinogenic substances and processes, mutagenic or reprotoxic substances

Ingredient name	Carcinogen	Mutagen	Reproductive toxicity - Fertility	Reproductive toxicity - Development	Harmful via breastfeeding
xylene Solvent naphtha (petroleum), light arom.	- Listed	- Listed	-	Development 2 -	-
silica, crystalline (NL- carcinogen specific)	Listed	-	-	-	-
Water Discharge Polic (ABM)	environn	nent (carcinogeni	substances with haza city/ mutagenicity/ re econtamination effort	protoxicity/ bioacum	
Norway	toxicity c				
Product registration number	: 🗗				
Sweden					
Flammable liquid clas (SRVFS 2005:10)	s: 2a				
Switzerland					
VOC content	: VOC (w/	w): 25%			
ternational regulation	<u>15</u>				
hemical Weapon Con	vention List Sch	edules I, II & III (<u>Chemicals</u>		
lot listed.					
ontreal Protocol					
lot listed.					
tockholm Convention	on Persistent O	rganic Pollutant	ts.		
lot listed.		ganoronatan	<u></u>		
otterdam Convention	on Prior Informe	ed Consent (PIC	1		
lot listed.					
NECE Aarhus Protoco	ol on POPs and I	Heavy Metals			

assessment

SECTION 16: Other information

Indicates information that has changed from previously issued version.

Abbreviations and acronyms	 ATE = Acute Toxicity Estimate CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008] DMEL = Derived Minimal Effect Level DNEL = Derived No Effect Level EUH statement = CLP-specific Hazard statement N/A = Not available PBT = Persistent, Bioaccumulative and Toxic PNEC = Predicted No Effect Concentration RRN = REACH Registration Number SGG = Segregation Group vPvB = Very Persistent and Very Bioaccumulative
Dressdurs used to derive th	he classification according to Population (EC) No. 1272/2008 [CL P/CHS]

Procedure used to derive the classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

SECTION 16: Other information		
Classification	Justification	
Flam. Liq. 3, H226	On basis of test data	
Skin Irrit. 2, H315	Calculation method	
Eye Dam. 1, H318	Calculation method	
Skin Sens. 1, H317	Calculation method	
STOT SE 3, H335	Calculation method	
STOT RE 2, H373	Calculation method	
Aquatic Chronic 3, H412	Calculation method	

Full text of abbreviated H statements

H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H312	Harmful in contact with skin.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H351	Suspected of causing cancer.
H373	May cause damage to organs through prolonged or repeated exposure.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.
EUH066	Repeated exposure may cause skin dryness or cracking.

Full text of classifications [CLP/GHS]

: 9

Acute Tox. 4	ACUTE TOXICITY - Category 4
Aquatic Acute 1	SHORT-TERM (ACUTE) AQUATIC HAZARD - Category 1
Aquatic Chronic 1	LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 1
Aquatic Chronic 2	LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 2
Aquatic Chronic 3	LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 3
Asp. Tox. 1	ASPIRATION HAZARD - Category 1
Carc. 2	CARCINOGENICITY - Category 2
Eye Dam. 1	SERIOUS EYE DAMAGE/EYE IRRITATION - Category 1
Eye Irrit. 2	SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2
Flam. Liq. 2	FLAMMABLE LIQUIDS - Category 2
Flam. Liq. 3	FLAMMABLE LIQUIDS - Category 3
Skin Irrit. 2	SKIN CORROSION/IRRITATION - Category 2
Skin Sens. 1	SKIN SENSITISATION - Category 1
STOT RE 2	SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE - Category 2
STOT SE 3	SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE - Category 3
Date of issue/ Date of	: 23/04/2025
revision	
Date of previous issue	e : 23/02/2024

Notice to reader

Version

The information in this SDS is based on the present state of our knowledge and on current laws. The product is not to be used for purposes other than those specified under section 1 without first obtaining written handling instructions. It is always the responsibility of the user to take all necessary steps to fulfil the demands set out in the local rules and legislation. The information in this SDS is meant to be a description of the safety requirements for our product. It is not to be considered a guarantee of the product's properties.

: 23/04/2025 Date of previous issue

: 23/02/2024

Date of issue/Date of revision INERTA PRIMER 5 - All variants : 23/04/2025 Date of previous issue

: 23/02/2024