SAFETY DATA SHEET



TEKNOTHERM 4400 - All variants

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

1.1 Product identifier

: TEKNOTHERM 4400 - All variants **Product name**

1.2 Relevant identified uses of the substance or mixture and uses advised against

Product 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 responsible for this SDS

: Prod-safe@teknos.com

1.4 Emergency telephone number

National advisory body/Poison Centre

Telephone number : Emergency medical information: (seven days) contact National Poisons Information

Centre, Beaumont Hospital, Dublin 9 DOV2NO, Ireland.

Members of the public Number (8 am-10 pm): +353 (0)1 809 2166 Healthcare professional telephone Number (24hrs): +353 (0)1 809 2566

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. Lig. 3, H226 Skin Irrit. 2. H315 Eye Dam. 1, H318 Skin Sens. 1, H317 **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 : Danger

Hazard statements : H226 - Flammable liquid and vapour.

H315 - Causes skin irritation.

H317 - May cause an allergic skin reaction.

H318 - Causes serious eye damage.

H373 - May cause damage to organs through prolonged or repeated exposure.

H412 - Harmful to aquatic life with long lasting effects.

Precautionary statements

Date of issue/Date of revision : 08/12/2025 · 25/03/2025 Version : 3.01 1/25 Date of previous issue Label No : 1/37646

SECTION 2: Hazards identification

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 + P310 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Immediately call a POISON CENTER or doctor.

Storage

: Not applicable.

Disposal

: P501 - Dispose of contents and container in accordance with all local, regional,

national and international regulations.

Hazardous ingredients

: Contains: Xylene; reaction product: bisphenol-A-(epichlorhydrin); epoxy resin; isobutanol and Reaction products of 2-butoxyethanol and 2- dimethylaminoethanol and

2,2'-[(1-methylethylidene)bis(4,1- phenyleneoxymethylene)]bisoxirane and

orthophosphoric acid

Supplemental label

elements

:

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 not result in classification

: None known.

SECTION 3: Composition/information on ingredients

3.2 Mixtures : Mixture

Product/ingredient name	Identifiers	%	Classification	Specific Conc. Limits, M-factors and ATEs	Туре
Solvent Naphta (Petroleum), heavy aromatic	REACH #: 01-2119463583-34 EC: 265-198-5 CAS: 64742-94-5 Index: 649-424-00-3	≤12	STOT SE 3, H336 Asp. Tox. 1, H304 Aquatic Chronic 2, H411 EUH066	-	[1]
Xylene	REACH #: 01-2119488216-32 EC: 215-535-7 CAS: 1330-20-7 Index: 601-022-00-9	≤12	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 Aquatic Chronic 3, H412	ATE [Dermal] = 1100 mg/kg ATE [Inhalation (vapours)] = 11 mg/ I	[1] [2]
reaction product: bisphenol- A-(epichlorhydrin); epoxy resin	EC: 500-033-5 CAS: 25068-38-6	≤10	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317	-	[1]
iso-butanol	REACH #: 01-2119484609-23 EC: 201-148-0	≤5.2	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Eye Dam. 1, H318	-	[1] [2]

Date of issue/Date of revision : 08/12/2025 Date of previous issue : 25/03/2025 Version : 3.01 2/25

Label No : 1/37646

SECTION 3: Composition/information on ingredients CAS: 78-83-1 **STOT SE 3, H335** Index: 603-108-00-1 **STOT SE 3, H336** 2-Butoxyethanol REACH #: ≤5 Acute Tox. 4, H302 ATE [Oral] = 1200 [1] [2] 01-2119475108-36 Acute Tox. 3, H331 mg/kg EC: 203-905-0 Skin Irrit. 2, H315 ATE [Inhalation Eye Irrit. 2, H319 (vapours)] = 3 mg/lCAS: 111-76-2 Index: 603-014-00-0 Ethylbenzene REACH #: ≤3 Flam. Liq. 2, H225 ATE [Inhalation [1] [2] 01-2119489370-35 Acute Tox. 4, H332 (vapours)] = 11 mg/ STOT RE 2, H373 EC: 202-849-4 CAS: 100-41-4 (hearing organs) (oral, Index: 601-023-00-4 inhalation) Asp. Tox. 1, H304 Aquatic Chronic 3, H412 2-(2-butoxyethoxy)ethanol REACH #: Eye Irrit. 2, H319 [1] [2] ≤3 01-2119475104-44 EC: 203-961-6 CAS: 112-34-5 Index: 603-096-00-8 Butan-1-ol ATE [Oral] = 790 REACH #: ≤1.2 Flam. Liq. 3, H226 [1] [2] 01-2119484630-38 Acute Tox. 4, H302 mg/kg Skin Irrit. 2, H315 EC: 200-751-6 CAS: 71-36-3 Eye Dam. 1, H318 Index: 603-004-00-6 STOT SE 3, H335 STOT SE 3, H336 Reaction products of REACH #: <3 Skin Sens. 1B, H317 [1] 2-butoxyethanol and 2-01-2120768442-51 Repr. 2, H361 dimethylaminoethanol and EC: 701-449-1 Aquatic Chronic 3, 2,2'-[(1-methylethylidene)bis H412 (4,1phenyleneoxymethylene)] bisoxirane and orthophosphoric acid Flam. Liq. 3, H226 2-ethoxy-1-methylethyl [1] REACH #: ≤1 acetate STOT SE 3, H336 01-2119475116-39 EC: 259-370-9 CAS: 54839-24-6 Index: 603-177-00-8 See Section 16 for the full text of the H statements declared

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.

above.

Type

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

Date of issue/Date of revision : 08/12/2025 · 25/03/2025 Version : 3.01 3/25 Date of previous issue Label No : 1/37646

^[1] Substance classified with a health or environmental hazard

^[2] Substance with a workplace exposure limit

SECTION 4: First aid measures

4.1 Description of first aid measures

Eve contact

: Get medical attention immediately. Call a poison center or physician. Immediately flush eves with plenty of water, occasionally lifting the upper and lower evelids. 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.

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.

4.2 Most important symptoms and effects, both acute and delayed

Over-exposure signs/symptoms

Eye contact : Adverse symptoms may include the following:

> pain watering redness

Inhalation : No specific data.

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 immediate medical attention and special treatment needed

: Treat symptomatically. Contact poison treatment specialist immediately if large Notes to physician

quantities have been ingested or inhaled.

Specific treatments : No specific treatment.

Date of issue/Date of revision : 08/12/2025 · 25/03/2025 Version : 3.01 4/25 Date of previous issue Label No : 1/37646

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing

media

: Use dry chemical, CO2, 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

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.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective 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.

Label No : 1/37646

Date of issue/Date of revision : 08/12/2025 Date of previous issue : 25/03/2025 Version : 3.01 5/25

SECTION 6: Accidental release measures

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

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

	Notification and MAPP threshold	Safety report threshold
P5c	5000 tonnes	50000 tonnes

7.3 Specific end use(s)

Recommendations : Not available.

Industrial sector specific : Not available.

solutions

Date of issue/Date of revision : 08/12/2025 Date of previous issue : 25/03/2025 Version : 3.01 6/25

Label No : 1/37646

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
▼ylene	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. OELV 8 hours: 700 mg/m³.
2-Butoxyethanol	NAOSH (Ireland, 4/2024) Absorbed through skin. Notes: EU derived Occupational Exposure Limit Values OELV 8 hours: 20 ppm. OELV 8 hours: 98 mg/m³. OELV 15 minutes: 50 ppm. OELV 15 minutes: 246 mg/m³.
Ethylbenzene	NAOSH (Ireland, 4/2024) Absorbed through skin. Notes: EU derived Occupational Exposure Limit Values OELV 8 hours: 100 ppm. OELV 8 hours: 442 mg/m³. OELV 15 minutes: 200 ppm. OELV 15 minutes: 884 mg/m³.
2-(2-butoxyethoxy)ethanol	NAOSH (Ireland, 4/2024) Notes: EU derived Occupational Exposure Limit Values OELV 8 hours: 10 ppm. OELV 15 minutes: 101.2 mg/m³. OELV 8 hours: 67.5 mg/m³. OELV 15 minutes: 15 ppm.
Butan-1-ol	NAOSH (Ireland, 4/2024) Notes: Advisory Occupational Exposure Limit Values (OELVs) OELV 8 hours: 20 ppm.

Biological exposure indices

Product/ingredient name	Exposure indices
▼ylene	NAOSH BGVs (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.
2-Butoxyethanol	NAOSH BGVs (Ireland, 1/2011) BMGV: 200 mg/g creatinine, BAA [in urine]. Sampling time: end of shift - As soon as possible after exposure ceases.
Ethylbenzene	NAOSH BGVs (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

: 25/03/2025 Version : 3.01 7/25 Date of issue/Date of revision : 08/12/2025 Date of previous issue **Label No** : 1/37646

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.

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 procedures 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

Solvent Naphta (Petroleum), heavy aromatic

Result

DNEL - General population - Long term - Oral

0.03 mg/kg bw/day Effects: Systemic

DNEL - General population - Long term - Dermal

0.28 mg/kg bw/day Effects: Systemic

DNEL - General population - Long term - Inhalation

0.69 mg/m³ Effects: Local

DNEL - General population - Long term - Inhalation

0.69 mg/m³ Effects: Systemic

DNEL - Workers - Long term - Dermal

0.95 mg/kg bw/day Effects: Systemic

DNEL - Workers - Long term - Inhalation

2.31 mg/m³ Effects: Local

DNEL - Workers - Long term - Inhalation

2.31 mg/m³ Effects: Systemic

DNEL - General population - Short term - Oral

25.6 mg/kg bw/day <u>Effects</u>: Systemic

DNEL - General population - Short term - Inhalation

143.5 mg/m³ Effects: Local

DNEL - Workers - Short term - Inhalation

160.23 mg/m³ Effects: Local

DNEL - General population - Short term - Inhalation

Label No : 1/37646

226 mg/m³
<u>Effects</u>: Systemic

DNEL - Workers - Short term - Inhalation

384 mg/m³ Effects: Systemic

Date of issue/Date of revision : 08/12/2025 Date of previous issue : 25/03/2025 Version : 3.01 8/25

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/m³ Effects: Local

DNEL - General population - Long term - Inhalation

65.3 mg/m³ Effects: Systemic

DNEL - General population - Long term - Dermal

125 mg/kg bw/day Effects: Systemic

DNEL - Workers - Long term - Dermal

212 mg/kg bw/day Effects: Systemic

DNEL - Workers - Long term - Inhalation

221 mg/m³ Effects: Local

DNEL - Workers - Long term - Inhalation

221 mg/m³ Effects: Systemic

DNEL - General population - Short term - Inhalation

260 mg/m³ Effects: Local

DNEL - General population - Short term - Inhalation

260 mg/m³ Effects: Systemic

DNEL - Workers - Short term - Inhalation

442 mg/m³ Effects: Local

DNEL - Workers - Short term - Inhalation

442 mg/m³ Effects: Systemic

DNEL - General population - Long term - Inhalation

55 mg/m³ <u>Effects</u>: Local

DNEL - Workers - Long term - Inhalation

310 mg/m³ Effects: Local

DNEL - General population - Long term - Oral

6.3 mg/kg bw/day Effects: Systemic

DNEL - General population - Short term - Oral

26.7 mg/kg bw/day Effects: Systemic

DNEL - General population - Long term - Inhalation

Label No : 1/37646

59 mg/m³

Effects: Systemic

DNEL - Workers - Long term - Inhalation

98 mg/m³

Date of issue/Date of revision : 08/12/2025 Date of previous issue : 25/03/2025 Version : 3.01 9/25

iso-butanol

2-Butoxyethanol

Effects: Systemic

DNEL - General population - Short term - Inhalation

147 mg/m³ Effects: Local

DNEL - Workers - Short term - Inhalation

246 mg/m³ Effects: Local

DNEL - General population - Short term - Inhalation

426 mg/m³ Effects: Systemic

DNEL - Workers - Short term - Inhalation

1091 mg/m³ Effects: Systemic

DMEL - Workers - Long term - Inhalation

442 mg/m³ Effects: Local

DMEL - Workers - Short term - Inhalation

884 mg/m³ Effects: Systemic

DNEL - General population - Long term - Oral

1.6 mg/kg bw/day Effects: Systemic

DNEL - General population - Long term - Inhalation

15 mg/m³

Effects: Systemic

DNEL - Workers - Long term - Inhalation

77 mg/m³

Effects: Systemic

DNEL - Workers - Long term - Dermal

180 mg/kg bw/day Effects: Systemic

DNEL - Workers - Short term - Inhalation

293 mg/m³ Effects: Local

DNEL - General population - Long term - Oral

6.25 mg/kg bw/day Effects: Systemic

DNEL - Workers - Long term - Inhalation

67.5 ma/m³ Effects: Local

DNEL - Workers - Short term - Inhalation

101.2 mg/m³ Effects: Local

DNEL - General population - Long term - Oral

1.5625 mg/kg bw/day Effects: Systemic

DNEL - General population - Long term - Dermal

3.125 mg/kg bw/day Effects: Systemic

Ethylbenzene

2-(2-butoxyethoxy)ethanol

Butan-1-ol

Date of issue/Date of revision : 08/12/2025 : 25/03/2025 Version : 3.01 10/25 Date of previous issue

TEKNOTHERM 4400 - All variants

Label No : 1/37646

DNEL - General population - Long term - Inhalation

55.357 mg/m³ Effects: Systemic

DNEL - General population - Long term - Inhalation

155 mg/m³ Effects: Local

DNEL - Workers - Long term - Inhalation

310 mg/m³ Effects: Local

2-ethoxy-1-methylethyl acetate

DNEL - General population - Long term - Oral

13.1 mg/kg bw/day Effects: Systemic

DNEL - General population - Long term - Dermal

62 mg/kg bw/day Effects: Systemic

DNEL - Workers - Long term - Dermal

103 mg/kg bw/day Effects: Systemic

DNEL - Workers - Long term - Inhalation

152 mg/m³ Effects: Systemic

DNEL - General population - Long term - Inhalation

181 mg/m³ Effects: Systemic

DNEL - General population - Short term - Inhalation

1420 mg/m³ Effects: Systemic

DNEL - Workers - Short term - Inhalation

2366 mg/m³ Effects: 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 measures

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.

Date of issue/Date of revision : 08/12/2025 · 25/03/2025 Version : 3.01 11/25 Date of previous issue

TEKNOTHERM 4400 - All variants

Label No : 1/37646

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

1 - 4 hours (breakthrough time): 4H / Silver Shield® gloves.

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.

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 F

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.

Label No : 1/37646

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	
Butan-1-ol	119	246.2	OECD 103	

Flammability : Not available.

Lower and upper explosion : Lower: 0.8% (xylene)
Upper: 11.3% (butan-1-ol)

Date of issue/Date of revision: 08/12/2025Date of previous issue: 25/03/2025Version: 3.0112/25

SECTION 9: Physical and chemical properties

: Closed cup: 25°C (77°F) Flash point

Auto-ignition temperature

Ingredient name	°C	°F	Method
2-butoxyethoxy)ethanol	210	410	DIN 51794
Solvent Naphta (Petroleum), heavy aromatic	220 to 250	428 to 482	ASTM E 659

Decomposition temperature : Not available. pН : Not applicable. **Viscosity** Not available.

Solubility(ies)

Not available.

Solubility in water : Not available. Partition coefficient: n-octanol/ : Not applicable.

water

Vapour pressure

	Vapour Pressure at 20°C			Var	oour pressu	re 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. : 1.1 g/cm³ **Density** Vapour density Not available.

Particle characteristics

Median particle size : Not applicable.

9.2 Other information

9.2.1 Information with regard to physical hazard classes

Explosive properties : Not available. **Oxidising properties** : Not available.

9.2.2 Other safety characteristics

Not applicable.

SECTION 10: Stability and reactivity

10.1 Reactivity : No specific test data related to reactivity available for this product or its ingredients.

10.2 Chemical stability : The product is stable.

10.3 Possibility of hazardous reactions : 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.

Date of issue/Date of revision : 08/12/2025 : 25/03/2025 Version : 3.01 13/25 Date of previous issue Label No : 1/37646

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity

Product/ingredient name Result

Xylene Rat - Oral - LD50

4300 mg/kg

Toxic effects: 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]

Rat - Oral - LD50 Ethylbenzene

3500 mg/kg

Rabbit - Dermal - LD50

15400 mg/kg

Rat - Inhalation - LC50 Dusts and mists

29000 mg/l [4 hours]

Rabbit - Dermal - LD50 2-(2-butoxyethoxy)ethanol

2700 mg/kg

Rat - Oral - LD50

4500 mg/kg

Toxic effects: Behavioral - Tetany Lung, Thorax, or Respiration

- Dyspnea Liver - Other changes

Butan-1-ol Rat - Oral - LD50

790 mg/kg

<u>Toxic effects</u>: Liver - Fatty liver degeneration Kidney, Ureter,

and Bladder - Other changes Blood - Other changes

Rabbit - Dermal - LD50

3400 mg/kg

Rat - Inhalation - LC50 Vapour

24000 mg/m³ [4 hours]

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)
FEKNOTHERM 4400	18034.8	9488.5	N/A	34.5	N/A
Xylene	4300	1100	N/A	11	N/A
iso-butanol	2460	3400	N/A	N/A	N/A
2-Butoxyethanol	1200	N/A	N/A	3	N/A
Ethylbenzene	3500	15400	N/A	11	29000
2-(2-butoxyethoxy)ethanol	4500	2700	N/A	N/A	N/A
Butan-1-ol	790	3400	N/A	24	N/A

: 25/03/2025 Date of issue/Date of revision : 08/12/2025 Version : 3.01 14/25 Date of previous issue Label No : 1/37646

Skin corrosion/irritation

Product/ingredient name

Solvent Naphta (Petroleum), heavy aromatic

Xylene

reaction product: bisphenol-A-(epichlorhydrin); epoxy resin

2-Butoxyethanol

Ethylbenzene

Butan-1-ol

Conclusion/Summary [Product]: Not available.

Serious eye damage/eye irritation

Product/ingredient name Xylene

reaction product: bisphenol-A-(epichlorhydrin); epoxy resin

2-Butoxyethanol

Ethylbenzene

2-(2-butoxyethoxy)ethanol

Result

Rabbit - Skin - Mild irritant

Duration of treatment/exposure: 24 hours Amount/concentration applied: 500 uL

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 %

Rabbit - Skin - Moderate irritant <u>Duration of treatment/exposure</u>: 24 hours Amount/concentration applied: 500 uL

Rabbit - Skin - Severe irritant

Duration of treatment/exposure: 24 hours Amount/concentration applied: 2 mg

Rabbit - Skin - Mild irritant

Amount/concentration applied: 500 mg

Rabbit - Skin - Mild irritant

Duration of treatment/exposure: 24 hours Amount/concentration applied: 15 mg

Rabbit - Skin - Moderate irritant

Duration of treatment/exposure: 24 hours Amount/concentration applied: 20 mg

Result

Rabbit - Eyes - Mild irritant

Amount/concentration applied: 87 mg

Rabbit - Eyes - Severe irritant

Duration of treatment/exposure: 24 hours Amount/concentration applied: 5 mg

Rabbit - Eyes - Mild irritant

Amount/concentration applied: 100 mg

Rabbit - Eyes - Moderate irritant

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

Rabbit - Eyes - Severe irritant

Amount/concentration applied: 100 mg

Rabbit - Eyes - Severe irritant

Amount/concentration applied: 500 mg

Rabbit - Eyes - Moderate irritant

<u>Duration of treatment/exposure</u>: 24 hours Amount/concentration applied: 20 mg

Date of issue/Date of revision : 08/12/2025 : 25/03/2025 Date of previous issue

TEKNOTHERM 4400 - All variants

Version : 3.01 15/25 Label No : 1/37646

Rabbit - Eyes - Severe irritant

Amount/concentration applied: 20 mg

Butan-1-ol Rabbit - Eyes - Severe irritant

> Duration of treatment/exposure: 24 hours Amount/concentration applied: 2 mg

Rabbit - Eyes - Severe irritant

Amount/concentration applied: 0.005 MI

Rabbit - Eyes - Severe irritant

Amount/concentration applied: 1.62 mg

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

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

Solvent Naphta (Petroleum), heavy aromatic STOT SE 3, H336 (Narcotic effects) **Xylene** STOT SE 3, H335 (Respiratory tract irritation)

iso-butanol STOT SE 3, H335 (Respiratory tract irritation) STOT SE 3, H336 (Narcotic effects)

STOT SE 3, H335 (Respiratory tract irritation) Butan-1-ol

STOT SE 3, H336 (Narcotic effects)

2-ethoxy-1-methylethyl acetate STOT SE 3, H336 (Narcotic effects)

Date of issue/Date of revision : 08/12/2025 Date of previous issue · 25/03/2025 Version : 3.01 16/25 Label No : 1/37646

Specific target organ toxicity (repeated exposure)

Product/ingredient name Result

Xylene STOT RE 2, H373 (oral, inhalation)

Ethylbenzene STOT RE 2, H373 (hearing organs) (oral, inhalation)

Aspiration hazard

Product/ingredient name Result

Solvent Naphta (Petroleum), heavy aromatic

Xylene

ASPIRATION HAZARD - Category 1

ASPIRATION HAZARD - Category 1

ASPIRATION HAZARD - Category 1

Information on likely routes of exposure

Not available.

Potential acute health effects

Eye contact : Causes serious eye damage.

Inhalation : No known significant effects or critical hazards.

Skin contact: Causes skin irritation. May cause an allergic skin reaction.

Ingestion : No known significant effects or critical hazards.

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact : Adverse symptoms may include the following:

watering redness

Inhalation : No specific data.

Skin contact: Adverse symptoms may include the following:

pain or irritation

redness

blistering may occur

Ingestion : Adverse symptoms may include the following:

stomach pains

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Short term exposure

Potential immediate : Not available.

effects

Potential delayed effects: Not available.

Long term exposure

Potential immediate

effects

: Not available.

Potential delayed effects: Not available.

Potential chronic health effects

Not available.

Conclusion/Summary [Product]: Not available.

General : May cause damage to organs through prolonged or repeated exposure. Once

sensitized, a severe allergic reaction may occur when subsequently exposed to

very low levels.

Carcinogenicity : No known significant effects or critical hazards.
 Mutagenicity : No known significant effects or critical hazards.
 Reproductive toxicity : No known significant effects or critical hazards.

11.2 Information on other hazards

11.2.1 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)

Label No : 1/37646

No. 1907/2006 or Regulation (EC) No 1272/2008.

11.2.2 Other information

Date of issue/Date of revision : 08/12/2025 Date of previous issue : 25/03/2025 Version : 3.01 17/25

Not available.

SECTION 12: Ecological information

12.1 Toxicity

Product/ingredient name

iso-butanol Acute - LC50 - Fresh water

Fish - Rainbow trout, donaldson trout - Oncorhynchus mykiss

Weight: 1.67 g

Result

1330000 µg/l [96 hours]

Effect: Mortality

Acute - LC50 - Marine water

Crustaceans - Brine shrimp - Artemia salina

600 mg/l [48 hours] Effect: Mortality

2-Butoxyethanol Acute - LC50 - Marine water

Fish - Inland silverside - Menidia beryllina

Size: 40 to 100 mm 1250000 µg/l [96 hours]

Effect: Mortality

Acute - LC50 - Marine water

Crustaceans - Common shrimp, sand shrimp - Crangon

800000 µg/l [48 hours] Effect: Mortality

2-(2-butoxyethoxy)ethanol Acute - LC50 - Fresh water

Fish - Bluegill - Lepomis macrochirus

Size: 33 to 75 mm 1300000 µg/l [96 hours]

Effect: Mortality

Acute - LC50 - Fresh water Butan-1-ol

> Fish - Fathead minnow - Pimephales promelas Age: 33 days; Size: 20.6 mm; Weight: 0.119 g

1730000 µg/l [96 hours]

Effect: Mortality

Acute - EC50 - Fresh water

Daphnia - Water flea - Daphnia magna

Age: 6 to 24 hours 1983000 µg/l [48 hours] Effect: Intoxication

Conclusion/Summary [Product] Not available.

12.2 Persistence and degradability

Product/ingredient name Result

so-butanol 74% [28 days] - Readily

Conclusion/Summary [Product]: Not available.

Product/ingredient name	Aquatic half-life	Photolysis	Biodegradability
iso-butanol	-	-	Readily

12.3 Bioaccumulative potential

Date of issue/Date of revision : 08/12/2025 · 25/03/2025 Version : 3.01 18/25 Date of previous issue Label No : 1/37646

Product/ingredient name	LogP _{ow}	BCF	Potential
Solvent Naphta (Petroleum), heavy aromatic	2.8 to 6.5	99 to 5780	High
Xylene	*::=	8.1 to 25.9	Low
reaction product: bisphenol-A-(epichlorhydrin); epoxy	2.64 to 3.78	31	Low
resin			
iso-butanol	1	-	Low
2-Butoxyethanol	0.81	-	Low
Ethylbenzene	3.6	-	Low
2-(2-butoxyethoxy)ethanol	1	-	Low
Butan-1-ol	1	-	Low
2-ethoxy-1-methylethyl acetate	0.76	-	Low

12.4 Mobility in soil

Soil/water partition coefficient

Product/ingredient name	logKoc	Koc
iso-butanol	1.1	12.0246
2-Butoxyethanol	1.8	67.3685
Ethylbenzene	2.2	170.406
2-(2-butoxyethoxy)ethanol	1.6	36.5981
Butan-1-ol	0.51	3.22078
2-ethoxy-1-methylethyl acetate	1.3	19.0228

Results of PMT and vPvM assessment

Product/ingredient name	PMT	P	M	Т	vPvM	vP	vM
Solvent Naphta (Petroleum), heavy aromatic	No	No	No	No	No	No	No
Xylene	No	No	No	No	No	No	No
reaction product: bisphenol-A-(epichlorhydrin); epoxy resin	No	No	No	No	No	No	No
iso-butanol	No	No	No	No	No	No	No
2-Butoxyethanol	No	No	No	No	No	No	No
Ethylbenzene	No	No	No	No	No	No	No
2-(2-butoxyethoxy)ethanol	No	No	No	No	No	No	No
Butan-1-ol	No	No	No	No	No	No	No
Reaction products of 2-butoxyethanol and 2- dimethylaminoethanol and 2,2'-[(1-methylethylidene)bis (4,1- phenyleneoxymethylene)] bisoxirane and orthophosphoric acid	No	No	No	No	No	No	No
2-ethoxy-1-methylethyl acetate	No	No	No	No	No	No	No

Mobility : Not available.

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

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

: 25/03/2025 Date of issue/Date of revision Version : 3.01 19/25 : 08/12/2025 Date of previous issue **Label No** : 1/37646

Product/ingredient name	PBT	P	В	Т	vPvB	vP	vB
Solvent Naphta (Petroleum), heavy aromatic	No	N/A	No	No	No	N/A	No
Xylene	No	N/A	No	Yes	No	N/A	No
reaction product: bisphenol- A-(epichlorhydrin); epoxy resin	No	N/A	No	No	No	N/A	No
iso-butanol	No	N/A	N/A	No	N/A	N/A	N/A
2-Butoxyethanol	No	N/A	N/A	No	N/A	N/A	N/A
Ethylbenzene	N/A	N/A	N/A	Yes	N/A	N/A	N/A
2-(2-butoxyethoxy)ethanol	No	N/A	N/A	No	N/A	N/A	N/A
Butan-1-ol	No	N/A	N/A	No	N/A	N/A	N/A
Reaction products of 2-butoxyethanol and 2- dimethylaminoethanol and 2,2'-[(1-methylethylidene)bis (4,1- phenyleneoxymethylene)] bisoxirane and orthophosphoric acid	N/A	N/A	N/A	Yes	N/A	N/A	N/A
2-ethoxy-1-methylethyl acetate	No	N/A	N/A	No	N/A	N/A	N/A

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

Product/ingredient name	PBT	Р	В	Т	vPvB	vP	vB
Solvent Naphta (Petroleum), heavy aromatic	No	No	No	No	No	No	No
Xylene	No	No	No	No	No	No	No
reaction product: bisphenol-A-(epichlorhydrin); epoxy resin	No	No	No	No	No	No	No
iso-butanol	No	No	No	No	No	No	No
2-Butoxyethanol	No	No	No	No	No	No	No
Ethylbenzene	No	No	No	No	No	No	No
2-(2-butoxyethoxy)ethanol	No	No	No	No	No	No	No
Butan-1-ol	No	No	No	No	No	No	No
Reaction products of 2-butoxyethanol and 2- dimethylaminoethanol and 2,2'-[(1-methylethylidene)bis (4,1-	No	No	No	No	No	No	No
phenyleneoxymethylene)] bisoxirane and orthophosphoric acid							
2-ethoxy-1-methylethyl acetate	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.

12.7 Other adverse effects

No known significant effects or critical hazards.

Date of issue/Date of revision Version : 3.01 20/25 : 08/12/2025 Date of previous issue : 25/03/2025 **Label No** : 1/37646 TEKNOTHERM 4400 - All variants

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.

Hazardous waste

European waste catalogue (EWC) The classification of the product may meet the criteria for a hazardous waste.

: 08 01 11*

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/RID	ADN	IMDG	IATA
14.1 UN number or ID number	UN1263	UN1263	UN1263	UN1263
14.2 UN proper shipping name	PAINT	PAINT	PAINT	PAINT
14.3 Transport hazard class(es)	3	3	3	3
14.4 Packing group	III	III	III	III
14.5 Environmental hazards	No.	Yes.	No.	No.

Additional information

ADR/RID

ADN

: Tunnel code (D/E)

The product is only regulated as an environmentally hazardous substance when transported in tank vessels.

14.6 Special precautions for user

Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

14.7 Maritime transport in bulk according to IMO instruments

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

Date of issue/Date of revision : 08/12/2025 · 25/03/2025 Version : 3.01 21/25 Date of previous issue Label No : 1/37646

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

Product/ingredient name	%	Designation [Usage]
TEKNOTHERM 4400	≥90	3
2-(2-butoxyethoxy)ethanol	≤3	55 [Consumer paint]

Labelling

Other EU regulations

Industrial emissions : Not listed

(integrated pollution prevention and control) -

Air

Industrial emissions : Not listed

(integrated pollution prevention and control) -

Water

Explosive precursors : Not applicable. Ozone depleting substances (EU 2024/590)

Not listed.

Prior Informed Consent (PIC) (649/2012/EU)

Not listed.

Persistent Organic Pollutants

Not listed.

Seveso Directive

This product is controlled under the Seveso Directive.

Danger criteria

Category

P₅c

International regulations

Chemical Weapon Convention List Schedules I, II & III Chemicals

Not listed.

Montreal Protocol

Not listed.

Stockholm Convention on Persistent Organic Pollutants

Not listed.

Rotterdam Convention on Prior Informed Consent (PIC)

Not listed.

UNECE Aarhus Protocol on POPs and Heavy Metals

Not listed.

Date of issue/Date of revision Version : 3.01 22/25 : 08/12/2025 Date of previous issue

TEKNOTHERM 4400 - All variants

: 25/03/2025

Label No : 1/37646

SECTION 15: Regulatory information

15.2 Chemical safety assessment

: This product contains substances for which Chemical Safety Assessments are still required.

SECTION 16: Other information

Indicates information that has changed from previously issued version.

Abbreviations and

: ATE = Acute Toxicity Estimate

acronyms

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

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

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 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.
H302	Harmful if swallowed.
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.
H331	Toxic if inhaled.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H361	Suspected of damaging fertility or the unborn child.
H373	May cause damage to organs through prolonged or repeated exposure.
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]

Acute Tox. 3	ACUTE TOXICITY - Category 3
Acute Tox. 4	ACUTE TOXICITY - Category 4
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
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
Repr. 2	REPRODUCTIVE TOXICITY - Category 2
Skin Irrit. 2	SKIN CORROSION/IRRITATION - Category 2
Skin Sens. 1	SKIN SENSITISATION - Category 1
Skin Sens. 1B	SKIN SENSITISATION - Category 1B
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 revision : 25/03/2025 Version : 3.01 23/25 : 08/12/2025 Date of previous issue **Label No** : 1/37646

SECTION 16: Other information

Date of issue/ Date of

revision

: 08/12/2025

Date of previous issue

: 25/03/2025

Version

3.01

Notice to reader

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.

Date of issue/Date of revision : 08/12/2025 Date of previous issue : 25/03/2025 Version : 3.01 24/25 **Label No** : 1/37646

Version : 3.01 **25/25** Date of issue/Date of revision : 08/12/2025 Date of previous issue : 25/03/2025 **Label No** : 1/37646