# SAFETY DATA SHEET



INFRALIT EP 8024-00 - All variants

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

1.1 Product identifier

**Product name** : INFRALIT EP 8024-00 - All variants

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

: 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** 

: Malta Competition and Consumer Affairs Authority (MCCAA): +356 2395 2000 Telephone number

### **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]

Eye Dam. 1, H318 Skin Sens. 1, H317 Repr. 1B, H360FD Aquatic Chronic 1, H410

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** : H317 - May cause an allergic skin reaction.

H318 - Causes serious eye damage.

H360FD - May damage fertility. May damage the unborn child. H410 - Very toxic to aquatic life with long lasting effects.

**Precautionary statements** 

**Prevention** : P201 - Obtain special instructions before use.

P280 - Wear protective gloves, protective clothing, eye protection, face protection,

or hearing protection.

P273 - Avoid release to the environment.

Response : P391 - Collect spillage.

P308 + P313 - IF exposed or concerned: Get medical advice or attention.

Version :3 Date of issue/Date of revision : 10/05/2023 . 23/11/2022 1/15 Date of previous issue Label No : **4**5798

### SECTION 2: Hazards identification

**Storage** 

**Disposal** 

: Not applicable.

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

national and international regulations.

**Hazardous ingredients** 

: bisphenol A 2-methylimidazole

Supplemental label elements

**Annex XVII - Restrictions** on the manufacture. placing on the market and : Warning! Hazardous respirable dust may be formed when used. Do not breathe

use of certain dangerous substances, mixtures and

articles

: Restricted to professional users.

#### 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

: May form explosible dust-air mixture if dispersed. May cause endocrine disruption.

## **SECTION 3: Composition/information on ingredients**

3.2 Mixtures Mixture

Product/ingredient name	Identifiers	%	Classification	Specific Conc. Limits, M-factors and ATEs	Туре
tifanium dioxide	REACH #: 01-2119489379-17 EC: 236-675-5 CAS: 13463-67-7	≤10	Carc. 2, H351 (inhalation)	-	[1] [*]
bisphenol A	REACH #: 01-2119457856-23 EC: 201-245-8 CAS: 80-05-7 Index: 604-030-00-0	≤10	Eye Dam. 1, H318 Skin Sens. 1, H317 Repr. 1B, H360F STOT SE 3, H335 Aquatic Acute 1, H400 Aquatic Chronic 1, H410	M [Acute] = 1 M [Chronic] = 10	[1] [2] [3]
2-methylimidazole	REACH #: 01-2119980041-46 EC: 211-765-7 CAS: 693-98-1 Index: 613-330-00-0	<1	Acute Tox. 4, H302 Skin Corr. 1C, H314 Eye Dam. 1, H318 Carc. 2, H351 Repr. 1B, H360Df See Section 16 for the full text of the H statements declared above.	ATE [Oral] = 500 mg/kg	[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.

#### Type

[1] Substance classified with a health or environmental hazard

[2] Substance with a workplace exposure limit

[3] Substance of equivalent concern

[\*] 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 ≤ 10 µm not bound within a matrix.

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

Date of issue/Date of revision : 10/05/2023 . 23/11/2022 Version :3 2/15 Date of previous issue INFRALIT EP 8024-00 - All variants Label No : **4**5798

## **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 : Adverse symptoms may include the following:

> reduced foetal weight increase in foetal deaths skeletal malformations

Skin contact : Adverse symptoms may include the following:

> pain or irritation redness

blistering may occur reduced foetal weight increase in foetal deaths skeletal malformations

Ingestion : Adverse symptoms may include the following:

stomach pains reduced foetal weight increase in foetal deaths skeletal malformations

## 4.3 Indication of any immediate medical attention and special treatment needed

Date of issue/Date of revision · 10/05/2023 . 23/11/2022 Version :3 3/15 Date of previous issue Label No : 45798

## **SECTION 4: First aid measures**

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: Firefighting measures

#### 5.1 Extinguishing media

Suitable extinguishing media

: Use an extinguishing agent suitable for the surrounding fire.

Unsuitable extinguishing media

: None known.

#### 5.2 Special hazards arising from the substance or mixture

**Hazards from the** substance or mixture : This material is very toxic 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 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.

**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. 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. Collect spillage.

### 6.3 Methods and material for containment and cleaning up

**Small spill** 

Move containers from spill area. Avoid dust generation. Do not dry sweep. Vacuum dust with equipment fitted with a HEPA filter and place in a closed, labeled waste container. Place spilled material in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor.

Large spill

: Move containers from spill area. Approach the release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Avoid dust generation. Do not dry sweep. Vacuum dust with equipment fitted with a HEPA filter and place in a closed, labeled waste container. Dispose of via a licensed waste disposal contractor.

Label No : 45798

Date of issue/Date of revision · 10/05/2023 • 23/11/2022 Version :3 4/15 Date of previous issue

## **SECTION 6: Accidental release measures**

### 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. Avoid exposure - obtain special instructions before use. Avoid exposure during pregnancy. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not ingest. Avoid release to the environment. If during normal use the material presents a respiratory hazard, use only with adequate ventilation or wear appropriate respirator. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. 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 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. 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.

#### **Seveso Directive - Reporting thresholds**

#### **Danger criteria**

	Notification and MAPP threshold	Safety report threshold
<b>E</b> 1	100 tonne	200 tonne

#### 7.3 Specific end use(s)

solutions

Recommendations : Not available. **Industrial sector specific** : Not available.

## 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
sphenol A	EU OEL (Europe, 1/2022). Notes: list of indicative occupational exposure limit values
	TWA: 2 mg/m <sup>3</sup> 8 hours. Form: Inhalable fraction

#### **Biological exposure indices**

No exposure indices known.

Date of issue/Date of revision : 10/05/2023 . 23/11/2022 Version :3 5/15 Date of previous issue Label No : 45798

## SECTION 8: Exposure controls/personal protection

procedures

**Recommended monitoring**: 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	Type	Exposure	Value	Population	Effects
sphenol A	DNEL	Short term Dermal	0.0019 mg/	General	Systemic
			kg bw/day	population	-
	DNEL	Long term Dermal	0.0019 mg/	General	Systemic
			kg bw/day	population	
	DNEL	Short term Oral	0.004 mg/	General	Systemic
			kg bw/day	population	
	DNEL	Long term Oral	0.004 mg/	General	Systemic
			kg bw/day	population	
	DNEL	Short term Dermal	0.031 mg/	Workers	Systemic
	DATE		kg bw/day	<b>1 1 1</b>	
	DNEL	Long term Dermal	0.031 mg/	Workers	Systemic
	DAIE	01	kg bw/day	0	1 1
	DNEL	Short term	1 mg/m³	General	Local
	DAIEI	Inhalation	4/3	population	Land
	DNEL	Long term	1 mg/m³	General	Local
	DNEL	Inhalation Short term	1 m a/m3	population	Customia
	DINEL		1 mg/m³	General	Systemic
	DNEL	Inhalation Short term	2 ma/m³	population Workers	Local
	DINEL	Inhalation	2 mg/m³	VVOIKEIS	Local
	DNEL	Long term	2 mg/m³	Workers	Local
	DINCE	Inhalation	2 1119/111	VVOIKCIS	Local
	DNEL	Short term	2 mg/m³	Workers	Systemic
	DIVLL	Inhalation	2 1119/111	VVOIRCIS	Oystonio
	DNEL	Long term	2 mg/m³	Workers	Systemic
		Inhalation			- ,
	DNEL	Long term	1 mg/m³	General	Systemic
		Inhalation	<b>g</b>	population	,
2-methylimidazole	DNEL	Long term Oral	0.02 mg/	General	Systemic
			kg bw/day	population	
	DNEL	Long term Dermal	0.04 mg/	Workers	Systemic
		_	kg bw/day		
	DNEL	Long term	0.3 mg/m <sup>3</sup>	Workers	Systemic
		Inhalation			

## **PNECs**

No PNECs available

### 8.2 Exposure controls

Appropriate engineering controls

: If user operations generate dust, fumes, gas, vapour or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

### **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 : 10/05/2023 Date of previous issue . 23/11/2022 Version :3 6/15

## SECTION 8: Exposure controls/personal protection

#### **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 gloves according to EN374 to protect against skin effects from powders.

Nitrile gloves. thickness > 0.3 mm > 8 hours (breakthrough time):

#### **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.

### 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: P 2

#### **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**

: Solid. Physical state 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
bisphenol A	360	680	
silicon dioxide	2230	4046	

**Flammability** : Not available.

Lower and upper explosion : Lower: Not applicable.

limit

Upper: Not applicable.

Flash point : Closed cup: >100°C (>212°F)

**Auto-ignition temperature** : Not applicable. : Not available. **Decomposition temperature** : Not applicable.

Date of issue/Date of revision : 10/05/2023 . 23/11/2022 Version :3 7/15 Date of previous issue

**Label No** : 45798

## **SECTION 9: Physical and chemical properties**

Viscosity : Not applicable.

Solubility(ies)

Not available.

Solubility in water : Not available.

Partition coefficient: n-octanol/ : Not applicable.

water

 Vapour pressure
 : Not available.

 Relative density
 : Not available.

 Density
 : ₹.5 g/cm³

 Vapour density
 : Not applicable.

 Explosive properties
 : Not available.

 Oxidising properties
 : Not available.

**Particle characteristics** 

Median particle size : 40 μm

## **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 : No specific data.

10.5 Incompatible materials : No specific data.

10.6 Hazardous decomposition products

: Under normal conditions of storage and use, hazardous decomposition products

should not be produced.

# **SECTION 11: Toxicological information**

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

#### **Acute toxicity**

Product/ingredient name	Result	Species	Dose	Exposure
sphenol A	LD50 Oral	Rat	1200 mg/kg	-

**Conclusion/Summary**: Based on available data, the classification criteria are not met.

### **Acute toxicity estimates**

Route	ATE value	
Not available.		

#### **Irritation/Corrosion**

Product/ingredient name	Result	Species	Score	Exposure	Observation
titanium dioxide	Skin - Mild irritant	Human	-	72 hours 300	-
bisphenol A	Eyes - Severe irritant	Rabbit	-	ug I 24 hours 250	-
	Skin - Mild irritant Skin - Mild irritant	Rabbit	-	ug 250 mg	-
	Skin - Mila imtant	Rabbit	-	24 hours 500 mg	-

**Conclusion/Summary**: Based on available data, the classification criteria are not met.

Date of issue/Date of revision: 10/05/2023Date of previous issue: 23/11/2022Version: 38/15INFRALIT EP 8024-00 - All variantsLabel No :45798

## SECTION 11: Toxicological information

**Sensitisation** 

**Conclusion/Summary** : May cause an allergic skin reaction.

**Mutagenicity** 

**Conclusion/Summary** : Based on available data, the classification criteria are not met.

**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.

: Based on available data, the classification criteria are not met. **Conclusion/Summary** 

**Reproductive toxicity** 

**Conclusion/Summary** : May damage fertility.

**Teratogenicity** 

**Conclusion/Summary** : May damage the unborn child.

Specific target organ toxicity (single exposure)

Product/ingredient name	Category	Route of exposure	Target organs
bisphenol A	Category 3	-	Respiratory tract irritation

### Specific target organ toxicity (repeated exposure)

Not available.

#### Aspiration hazard

Not available.

Information on likely routes : Not available.

of exposure

Potential acute health effects

**Eye contact** : Causes serious eye damage.

Inhalation : No known significant effects or critical hazards.

Skin contact : 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:

> pain watering redness

Inhalation : Adverse symptoms may include the following:

> reduced foetal weight increase in foetal deaths skeletal malformations

**Skin contact** : Adverse symptoms may include the following:

pain or irritation

redness

blistering may occur reduced foetal weight increase in foetal deaths skeletal malformations

Ingestion : Adverse symptoms may include the following:

> stomach pains reduced foetal weight increase in foetal deaths skeletal malformations

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

Date of issue/Date of revision : 10/05/2023 . 23/11/2022 Version :3 9/15 Date of previous issue Label No : 45798

## **SECTION 11: Toxicological information**

**Potential immediate** 

**Potential delayed effects** 

effects

: Not available.

: Not available.

Long term exposure

**Potential immediate** 

: Not available.

effects

**Potential delayed effects** : Not available.

#### Potential chronic health effects

Not available.

**Conclusion/Summary** : Not available.

**General** : Once sensitized, a severe allergic reaction may occur when subsequently exposed

to very low levels.

Carcinogenicity : No known significant effects or critical hazards. : No known significant effects or critical hazards. Mutagenicity **Reproductive toxicity** : May damage fertility. May damage the unborn child.

#### 11.2 Information on other hazards

#### 11.2.1 Endocrine disrupting properties

May cause endocrine disruption.

11.2.2 Other information

Not available.

## **SECTION 12: Ecological information**

## 12.1 Toxicity

Product/ingredient name	Result	Species	Exposure
itanium dioxide	Acute LC50 3 mg/l Fresh water	Crustaceans - Ceriodaphnia dubia - Neonate	48 hours
	Acute LC50 6.5 mg/l Fresh water	Daphnia - Daphnia pulex - Neonate	48 hours
	Acute LC50 >1000000 μg/l Marine water	Fish - Fundulus heteroclitus	96 hours
bisphenol A	Acute EC50 1.506 mg/l Marine water	Algae - Prorocentrum minimum - Exponential growth phase	72 hours
	Acute EC50 1000 µg/l Marine water	Algae - Skeletonema costatum	96 hours
	Acute EC50 7.75 mg/l Fresh water	Daphnia - Daphnia magna - Neonate	48 hours
	Acute LC50 50.4 µg/l Marine water	Crustaceans - Artemia sinica	48 hours
	Acute LC50 3.5 mg/l Marine water	Fish - Rivulus marmoratus - Embryo	96 hours
	Chronic NOEC 2 mg/l Fresh water	Algae - Chlorolobion braunii - Exponential growth phase	4 days
	Chronic NOEC 10 µg/l Marine water	Crustaceans - Tigriopus japonicus - Nauplii	21 days
	Chronic NOEC 30 µg/l Fresh water	Daphnia - Daphnia magna - Neonate	21 days
2-methylimidazole	Chronic NOEC 0.2 µg/l Fresh water Acute LC50 286000 µg/l Fresh water	Fish - Carassius auratus - Adult Fish - Pimephales promelas	90 days 96 hours

: Very toxic to aquatic life with long lasting effects. **Conclusion/Summary** 

#### 12.2 Persistence and degradability

**Conclusion/Summary** : This product has not been tested for biodegradation.

### 12.3 Bioaccumulative potential

Date of issue/Date of revision : 10/05/2023 Date of previous issue : 23/11/2022 Version :3 10/15 **Label No** : 45798

## **SECTION 12: Ecological information**

Product/ingredient name	LogPow	BCF	Potential
<b>p</b> isphenol A		20 to 67	low
2-methylimidazole	0.24	-	low

#### 12.4 Mobility in soil

Soil/water partition coefficient (Koc)

: Not available.

Mobility : Not available.

#### 12.5 Results of PBT and vPvB assessment

This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

#### 12.6 Endocrine disrupting properties

May cause endocrine disruption.

#### 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.

: The classification of the product may meet the criteria for a hazardous waste.

**Hazardous waste** 

: 080111\*, 200127\*

European waste catalogue (EWC)

**Packaging** 

**Methods of disposal** 

al

: 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. 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	<b>⊌</b> N3077	<b>☑</b> N3077	<b>☑</b> N3077	<b>☑</b> N3077
14.2 UN proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (PAINT)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (PAINT)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (PAINT)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (PAINT)
14.3 Transport hazard class(es)	<b>9 ★</b> 2		<b>▼ ★ ★ ★ ★ ★ ★ ★ ★ ★ ★</b>	

Date of issue/Date of revision

: 10/05/2023

Date of previous issue

: 23/11/2022

Version : 3
Label No : \$45798

11/15

#### **SECTION 14: Transport information** W 14.4 Packing W И group Yes. Yes. Yes. Yes. 14.5 **Environmental** hazards

### **Additional information**

ADR/RID This product is not regulated as a dangerous good when transported in sizes of ≤5 L

or ≤5 kg, provided the packagings meet the general provisions of 4.1.1.1, 4.1.1.2 and 4.1.1.4 to 4.1.1.8.

Tunnel code (-)

This product is not regulated as a dangerous good when transported in sizes of ≤5 L **ADN** 

or ≤5 kg, provided the packagings meet the general provisions of 4.1.1.1, 4.1.1.2

and 4.1.1.4 to 4.1.1.8.

This product is not regulated as a dangerous good when transported in sizes of ≤5 L **IMDG** 

or ≤5 kg, provided the packagings meet the general provisions of 4.1.1.1, 4.1.1.2

**IATA** This product is not regulated as a dangerous good when transported in sizes of ≤5 L

or ≤5 kg, provided the packagings meet the general provisions of 5.0.2.4.1,

5.0.2.6.1.1 and 5.0.2.8.

user

14.6 Special precautions for : 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.

## 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

Intrinsic property	Ingredient name	Status	Reference number	Date of revision	
Toxic to reproduction	4,4'-isopropylidenediphenol 2-methylimidazole	Recommended Candidate	ED/01/2018 D(2020) 4578-DC	10/1/2019 6/25/2020	
Endocrine disrupting properties for human health	4,4'-isopropylidenediphenol	Recommended	ED/01/2018	10/1/2019	
Endocrine disrupting properties for environment	4,4'-isopropylidenediphenol	Recommended	ED/01/2018	10/1/2019	

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

: Restricted to professional users.

Other EU regulations

**Industrial emissions** (integrated pollution prevention and control) -Air

: Not listed

Date of issue/Date of revision : 10/05/2023 . 23/11/2022 Version :3 12/15 Date of previous issue

INFRALIT EP 8024-00 - All variants

Label No : **4**5798

## **SECTION 15: Regulatory information**

: Not listed

Industrial emissions

(integrated pollution

prevention and control) -

Water

Ozone depleting substances (1005/2009/EU)

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

**E**1

**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.

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 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

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

Classification	Justification	
<b>E</b> ye Dam. 1, H318	Calculation method	
Skin Sens. 1, H317	Calculation method	
Repr. 1B, H360FD	Calculation method	
Aquatic Chronic 1, H410	Calculation method	

## **SECTION 16: Other information**

#### Full text of abbreviated H statements

<u> </u>	Hamilton Hamilton
<b>⊮</b> 302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H335	May cause respiratory irritation.
H351	Suspected of causing cancer.
H360Df	May damage the unborn child. Suspected of damaging fertility.
H360F	May damage fertility.
H360FD	May damage fertility. May damage the unborn child.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.

### Full text of classifications [CLP/GHS]

Acute Tox. 4 **ACUTE TOXICITY - Category 4** SHORT-TERM (ACUTE) AQUATIC HAZARD - Category 1 Aquatic Acute 1 Aquatic Chronic 1 LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 1 Carc. 2 **CARCINOGENICITY - Category 2** Eye Dam. 1 SERIOUS EYE DAMAGE/EYE IRRITATION - Category 1 Repr. 1B REPRODUCTIVE TOXICITY - Category 1B SKIN CORROSION/IRRITATION - Category 1C Skin Corr. 1C Skin Sens. 1 SKIN SENSITISATION - Category 1 STOT SE 3 SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE - Category 3

Date of issue/ Date of

revision

Date of previous issue : 23/11/2022

: 10/05/2023

Version : 3

IFRALIT EP 8024-00 All variants

#### **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 : 10/05/2023 Date of previous issue : 23/11/2022 Version : 3 14/15

**Label No** : 45798

Version :3 Date of issue/Date of revision : 10/05/2023 Date of previous issue : 23/11/2022 15/15 **Label No** : **4**5798