# SAFETY DATA SHEET INTERTHERM 875 RAL 7035 Light Grey

### **Section 1. Identification**

GHS product identifier Product code : INTERTHERM 875 RAL 7035 Light Grey : HAD704

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

Identified uses			
Professional application of coatings and inks			
Uses advised against	Reason		
All Other Uses			

Supplier's details	<ul> <li>International Paint (PTY) Ltd</li> <li>1 Paints Place</li> <li>Dickens Road</li> <li>Umbogintwini</li> <li>KZN 4120,</li> <li>South Africa</li> <li>Tel: +27 31 904 8000</li> <li>+27 31 904 8000 (24hr)</li> </ul>
Emergency telephone number (with hours of operation)	: 10177 (For use only by licensed medical professionals.)
e-mail address of person responsible for this SDS	: sdsfellinguk@akzonobel.com

### Section 2. Hazards identification

Classification of the	: FLAMMABLE LIQUIDS - Category 3
substance or mixture	ACUTE TOXICITY (dermal) - Category 5
	SKIN CORROSION/IRRITATION - Category 2
	SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2A
	SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract
	irritation) - Category 3
	SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) (hearing
	organs) - Category 2
GHS label elements	
Hazard pictograms	

Signal word

: Warning



### Section 2. Hazards identification

Hazard statements	<ul> <li>Fammable liquid and vapour. May be harmful in contact with skin. Causes serious eye irritation. Causes skin irritation. May cause respiratory irritation. May cause damage to organs through prolonged or repeated exposure. (hearing organs)</li> </ul>
Precautionary statements	
Prevention	: Wear protective gloves. Wear eye or face protection. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Use explosion-proof electrical, ventilating, lighting and all material-handling equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Keep container tightly closed. Use only outdoors or in a well-ventilated area. Do not breathe vapour. Wash hands thoroughly after handling.
Response	: Get medical attention if you feel unwell. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or physician if you feel unwell. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. IF ON SKIN: Wash with plenty of soap and water. Call a POISON CENTER or physician if you feel unwell. Take off contaminated clothing and wash it before reuse. If skin irritation occurs: Get medical attention. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.
Storage	: Store locked up. Store in a well-ventilated place. Keep cool.
Disposal	: Dispose of contents and container in accordance with all local, regional, national and international regulations.
Supplemental label elements	: Wear appropriate respirator when ventilation is inadequate.

Other hazards which do not : None known. result in classification

## Section 3. Composition/information on ingredients

Substance/mixture : Mixture

Ingredient name % by weight **CAS** number Classification **x**ylene ≥25 - ≤43 1330-20-7 Flam. Lig. 3, H226 Acute Tox. 4, H312 Acute Tox. 4. H332 Skin Irrit. 2, H315 Eye Irrit. 2A, H319 STOT SE 3, H335 Asp. Tox. 1, H304 ≤10 100-41-4 ethylbenzene Flam. Lig. 2, H225 Acute Tox. 4, H332 Skin Irrit. 2, H315 Eye Irrit. 2A, H319 STOT SE 3, H335 STOT RE 2, H373 (hearing organs) Asp. Tox. 1, H304 71-36-3 Flam. Liq. 3, H226 butan-1-ol <3 Acute Tox. 4, H302

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# **Section 3. Composition/information on ingredients**

	Skin Irrit. 2, H315 Eye Dam. 1, H318 STOT SE 3, H335 STOT SE 3, H336

There are no ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

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

### Section 4. First aid measures

#### **Description of necessary first aid measures**

Eye contact	: 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. Get medical attention.
Inhalation	: 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. Get medical attention. If necessary, call a poison center or physician. 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	: Flush contaminated skin with plenty of 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. Get medical attention. If necessary, call a poison center or physician. Wash clothing before reuse. Clean shoes thoroughly before reuse.
Ingestion	: Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. 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. Get medical attention following exposure or if feeling unwell. 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.

#### Most important symptoms/effects, acute and delayed

Potential acute health effects	
Eye contact	: Causes serious eye irritation.
Inhalation	: May cause respiratory irritation.
Skin contact	: May be harmful in contact with skin. Causes skin irritation.
Ingestion	: Irritating to mouth, throat and stomach.
Over-exposure signs/sympto	oms
Eye contact	: Adverse symptoms may include the following: pain or irritation watering redness



# Section 4. First aid measures

Inhalation	: Adverse symptoms may include the following: respiratory tract irritation coughing headache drowsiness/fatigue dizziness/vertigo muscle weakness unconsciousness
Skin contact	: Adverse symptoms may include the following: irritation redness
Ingestion	: No specific data.
indication of immediate med	al attention and special treatment needed, if necessary
Notes to physician	: Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
Specific treatments	: No specific treatment.
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.

See toxicological information (Section 11)

# Section 5. Firefighting measures

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Extinguishing media		
Suitable extinguishing media		: Use dry chemical, CO <sub>2</sub> , water spray (fog) or foam.
Unsuitable extinguishir media	ng	: Do not use water jet.
Specific hazards arising from the chemical		: Flammable liquid and vapour. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. Runoff to sewer may create fire or explosion hazard.
Hazardous thermal decomposition product	ts	: Decomposition products may include the following materials: carbon dioxide carbon monoxide sulfur oxides metal oxide/oxides
Special protective actior for fire-fighters	าร	: 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-fighte	ers	: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.



## Section 6. Accidental release measures

#### 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. Avoid breathing 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".
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).
Methods and material for cor	ntai	inment and cleaning up
Small spill	:	Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry 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

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	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. 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 (see Section 13).
	Dispose of via a licensed waste disposal contractor. Contaminated absorbent
	material may pose the same hazard as the spilt product. Note: see Section 1 for
	emergency contact information and Section 13 for waste disposal.

# Section 7. Handling and storage

Precautions for safe handling		
Protective measures	✓ut on appropriate personal protective equipment (see Section vapour or mist. Do not ingest. Avoid contact with eyes, skin a with adequate ventilation. Wear appropriate respirator when a inadequate. Do not enter storage areas and confined spaces ventilated. Keep in the original container or an approved alter compatible material, kept tightly closed when not in use. Stor heat, sparks, open flame or any other ignition source. Use ex (ventilating, lighting and material handling) equipment. Use o Take precautionary measures against electrostatic discharger retain product residue and can be hazardous. Do not reuse of the sector of the sector of the sector.	and clothing. Use only ventilation is unless adequately native made from a e and use away from cplosion-proof electrical nly non-sparking tools. s. Empty containers
Advice on general occupational hygiene	Eating, drinking and smoking should be prohibited in areas whether handled, stored and processed. Workers should wash hands eating, drinking and smoking. Remove contaminated clothing equipment before entering eating areas. See also Section 8 for information on hygiene measures.	and face before and protective
Conditions for safe storage, including any incompatibilities	Store in accordance with local regulations. Store in a segrega area. Store in original container protected from direct sunligh ventilated area, away from incompatible materials (see Section drink. Store locked up. Eliminate all ignition sources. Vapou and may spread along floors. Separate from oxidizing materi- tightly closed and sealed until ready for use. Containers that must be carefully resealed and kept upright to prevent leakag unlabelled containers. Use appropriate containment to avoid	t in a dry, cool and well- in 10) and food and rs are heavier than air als. Keep container have been opened e. Do not store in
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# **X**.International.

## Section 7. Handling and storage

contamination.

# Section 8. Exposure controls/personal protection

#### **Control parameters**

#### **Occupational exposure limits**

Ingredient name	Exposure limits
<b>K</b> ylene	DOL OEL (South Africa, 8/1995). Absorbed through skin. TWA: 435 mg/m <sup>3</sup> 8 hours. TWA: 100 ppm 8 hours. STEL: 650 mg/m <sup>3</sup> 15 minutes. STEL: 150 ppm 15 minutes.
titanium dioxide	<b>DOL OEL (South Africa, 8/1995).</b> TWA: 10 mg/m <sup>3</sup> 8 hours. Form: Respirable dust TWA: 5 mg/m <sup>3</sup> 8 hours. Form: total inhalable dust
ethylbenzene	DOL OEL (South Africa, 8/1995). STEL: 545 mg/m <sup>3</sup> 15 minutes. STEL: 125 ppm 15 minutes. TWA: 435 mg/m <sup>3</sup> 8 hours. TWA: 100 ppm 8 hours.
barium sulfate	<b>DOL OEL (South Africa, 8/1995).</b> TWA: 2 mg/m <sup>3</sup> 8 hours. Form: Respirable dust
butan-1-ol	DOL OEL (South Africa, 8/1995). Absorbed through skin. STEL: 150 mg/m <sup>3</sup> 15 minutes. STEL: 50 ppm 15 minutes.

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.
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.
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. 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.
Skin protection	





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# Section 8. Exposure controls/personal protection

Hand protection	: Use chemical resistant gloves classified under Standard EN 374: Protective gloves against chemicals and micro-organisms. Recommended: Viton® or Nitrile gloves. When prolonged or frequently repeated contact may occur, a glove with a protection class of 6 (breakthrough time greater than 480 minutes according to EN 374) is recommended. When only brief contact is expected, a glove with a protection class of 2 or higher (breakthrough time greater than 30 minutes according to EN 374) is recommended. The user must check that the final choice of type of glove selected for handling this product is the most appropriate and takes into account the particular conditions of use, as included in the user's risk assessment. NOTICE: The selection of a specific glove for a particular application and duration of use in a workplace should also take into account all relevant workplace factors such as, but not limited to: Other chemicals which may be handled, physical requirements (cut/ puncture protection, dexterity, thermal protection), potential body reactions to glove materials, as well as the instructions/specifications provided by the glove supplier. Barrier creams may help to protect the exposed areas of the skin but should not be applied once exposure has occurred.
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.
Other skin protection	<ul> <li>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.</li> </ul>
Respiratory protection	: Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

# Section 9. Physical and chemical properties

<u>Appearance</u>	
Physical state	: Liquid.
Colour	: Grey.
Odour	: Solvent.
Odour threshold	: Not available.
рН	: Not applicable.
Melting point	: Not available.
Boiling point	: Lowest known value: 136.16°C (277.1°F) (xylene).
Flash point	: Closed cup: 24°C (75.2°F)
Evaporation rate	: Not available.
Flammability (solid, gas)	: Not available.
Lower and upper explosive (flammable) limits	: Greatest known range: Lower: 0.8% Upper: 6.7% (xylene)
Vapour pressure	: Not available.
Vapour density	: Not available.
Relative density	: 1.13
Solubility	: Insoluble in the following materials: cold water.
Partition coefficient: n- octanol/water	: Not available.
Auto-ignition temperature	: Not available.
Decomposition temperature	: Not available.
Viscosity	: Kinematic (room temperature): 88 mm <sup>2</sup> /s (88 cSt)

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# **K**.International.

## Section 10. Stability and reactivity

Reactivity	: No specific test data related to reactivity available for this product or its ingredients.
Chemical stability	: The product is stable.
Possibility of hazardous reactions	: Under normal conditions of storage and use, hazardous reactions will not occur.
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.
Incompatible materials	: Reactive or incompatible with the following materials: oxidizing materials
Hazardous decomposition products	: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## Section 11. Toxicological information

#### Information on toxicological effects

#### Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
xylene	LD50 Oral	Rat	4300 mg/kg	-
ethylbenzene	LC50 Inhalation Gas.	Rabbit	4000 ppm	4 hours
	LD50 Dermal	Rabbit	17800 mg/kg	-
	LD50 Oral	Rat	3500 mg/kg	-
butan-1-ol	LC50 Inhalation Vapour	Rat	24 mg/l	4 hours
	LD50 Dermal	Rabbit	3400 mg/kg	-
	LD50 Oral	Rat	790 mg/kg	-

#### Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
ethylbenzene	Eyes - Severe irritant	Rabbit	-	500 milligrams	-
	Skin - Mild irritant	Rabbit	-	24 hours 15 milligrams	-
butan-1-ol	Eyes - Severe irritant	Rabbit	-	24 hours 2 milligrams	-
	Eyes - Severe irritant	Rabbit	-	0.005 Mililiters	-
	Skin - Moderate irritant	Rabbit	-	24 hours 20 milligrams	-

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#### **Sensitisation**

Not available.

#### **Mutagenicity**

Not available.

#### **Carcinogenicity**

Not available.

#### **Reproductive toxicity**

Not available.

**Teratogenicity** 



## Section 11. Toxicological information

#### Specific target organ toxicity (single exposure)

Name	Category	Route of exposure	Target organs
<b>x</b> ylene	Category 3	Not applicable.	Respiratory tract irritation
ethylbenzene	Category 3	Not applicable.	Respiratory tract irritation
butan-1-ol	Category 3	Not applicable.	Respiratory tract irritation and Narcotic effects

#### Specific target organ toxicity (repeated exposure)

Name	Category	Route of exposure	Target organs
ethylbenzene	Category 2	Not determined	hearing organs

#### Aspiration hazard

Name	Result
	ASPIRATION HAZARD - Category 1 ASPIRATION HAZARD - Category 1

# Information on likely routes : Not available. of exposure

#### Potential acute health effects

Eye contact	: Causes serious eye irritation.
Inhalation	: May cause respiratory irritation.
Skin contact	: May be harmful in contact with skin. Causes skin irritation.
Ingestion	: Irritating to mouth, throat and stomach.

#### Symptoms related to the physical, chemical and toxicological characteristics

Eye contact	: Adverse symptoms may include the following: pain or irritation watering redness
Inhalation	: Adverse symptoms may include the following: respiratory tract irritation coughing headache drowsiness/fatigue dizziness/vertigo muscle weakness unconsciousness
Skin contact	: Adverse symptoms may include the following: irritation redness
Ingestion	: No specific data.

: 01/06/2017

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

<u>Short term exposure</u>		
Potential immediate effects	:	Not available.
Potential delayed effects	:	Not available.



# **X.International.**

## Section 11. Toxicological information

<u>Long term exposure</u>		
Potential immediate effects	:	Not available.
Potential delayed effects	:	Not available.
Potential chronic health effe	ect	<u>s</u>
Not available.		
General	:	$\overline{M}$ ay cause damage to organs through prolonged or repeated exposure.
Carcinogenicity	:	No known significant effects or critical hazards.
Mutagenicity		No known significant effects or critical hazards.
mutagementy	•	No known significant enects of childa hazards.
Teratogenicity		No known significant effects or critical hazards.
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#### Numerical measures of toxicity

#### Acute toxicity estimates

Route	ATE value
Øral	30673.3 mg/kg
Dermal	2935.8 mg/kg
Inhalation (vapours)	23.3 mg/l

# Section 12. Ecological information

#### **Toxicity**

Product/ingredient name	Result	Species	Exposure
xylene	Acute LC50 8500 µg/l Marine water	Crustaceans - Palaemonetes pugio	48 hours
	Acute LC50 13400 µg/l Fresh water	Fish - Pimephales promelas	96 hours
ethylbenzene	Acute EC50 3.6 mg/l Fresh water	Algae - Pseudokirchneriella subcapitata	96 hours
	Acute LC50 18.4 to 25.4 mg/l Fresh water	Daphnia - Daphnia magna - Neonate	48 hours
	Acute LC50 5.1 to 5.7 mg/l Marine water	Fish - Menidia menidia	96 hours
butan-1-ol	Acute EC50 1983 to 2072 mg/l Fresh water	Daphnia - Daphnia magna	48 hours
	Acute LC50 1910 mg/l Fresh water	Fish - Pimephales promelas - Juvenile (Fledgling, Hatchling, Weanling)	96 hours

#### Persistence and degradability

Product/ingredient name	Aquatic half-life	Photolysis	Biodegradability
ethylbenzene	-	-	Readily

#### **Bioaccumulative potential**

Product/ingredient name	LogPow	BCF	Potential
<b>x</b> ylene	3.12	8.1 to 25.9	low
ethylbenzene	3.6	15	low
butan-1-ol	1	-	low

## Section 12. Ecological information

#### <u>Mobility in soil</u>

Soil/water partition coefficient (Koc)

: Not available.

#### **Other adverse effects** : No known significant effects or critical hazards.

### **Section 13. Disposal considerations**

#### Section 14. Transport information UN IMDG ΙΑΤΑ **UN number** UN1263 UN1263 UN1263 PAINT PAINT **UN proper** PAINT shipping name **Transport hazard** 3 3 3 class(es) Ш Ш Ш Packing group Environmental No. No. No. hazards Additional information

**IMDG Code Segregation** : Not applicable. group

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.

Transport in bulk according : Not available. to Annex II of Marpol and the IBC Code





### Section 15. Regulatory information

#### International regulations Chemical Weapon Convention List Schedules I, II & III Chemicals Not listed. Montreal Protocol (Annexes A, B, C, E) Not listed. Stockholm Convention on Persistent Organic Pollutants Not listed. Rotterdam Convention on Prior Inform Consent (PIC) Not listed. **UNECE Aarhus Protocol on POPs and Heavy Metals** Not listed. Inventory list Australia : Not determined. Canada : Not determined. China : Not determined. Europe : Not determined. : Japan inventory (ENCS): Not determined. Japan Japan inventory (ISHL): Not determined. : Not determined. Malaysia : Not determined. **New Zealand** : Not determined. Philippines : Not determined. **Republic of Korea** Taiwan : Not determined. : Not determined. Turkey **United States** : Not determined.

### **Section 16. Other information**

#### Justification

Classification		Justification
Fam. Liq. 3, H226 Acute Tox. 5, H313 Skin Irrit. 2, H315 Eye Irrit. 2A, H319 STOT SE 3, H335 STOT RE 2, H373 (hearing	organs)	On basis of test data Calculation method Calculation method Calculation method Calculation method Calculation method
History		
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### **Section 16. Other information**

Key to abbreviations	: ATE = Acute Toxicity Estimate
	BCF = Bioconcentration Factor
	GHS = Globally Harmonized System of Classification and Labelling of Chemicals
	IATA = International Air Transport Association
	IBC = Intermediate Bulk Container
	IMDG = International Maritime Dangerous Goods
	LogPow = logarithm of the octanol/water partition coefficient
	MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution) UN = United Nations
References	: Not available.

**V** Indicates information that has changed from previously issued version.

#### Notice to reader

IMPORTANT NOTE: the information contained in this data sheet (as may be amended from time to time) is not intended to be exhaustive and is presented in good faith and believed to be correct as of the date on which it is prepared. It is the user's responsibility to verify that this data sheet is current prior to using the product to which it relates.

Persons using the information must make their own determinations as to the suitability of the relevant product for their purposes prior to use. Where those purposes are other than as specifically recommended in this safety data sheet, then the user uses the product at their own risk.

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