

according to Regulation (EC) No. 1907/2006

Revision Date 30-Nov-2024 Revision Number 4

# Section 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product Description: Chlorine in Heavy Mineral Oil standard solution, Specpure®, 50,000µg/g (5.00%)

Cat No.: 42185

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

Recommended Use Laboratory chemicals.
Uses advised against No Information available

1.3. Details of the supplier of the safety data sheet

Company

Thermo Fisher (Kandel) GmbH

Erlenbachweg 2, 76870 Kandel, Germany

Tel: +49 (0) 721 84007 280 Fax: +49 (0) 721 84007 300

**Swiss distributor -** Fisher Scientific AG Neuhofstrasse 11, CH 4153 Reinach

Tel: +41 (0) 56 618 41 11

https://www.fishersci.ch/ch/en/customer-help-

support/forms/email-us.html

**E-mail address** begel.sdsdesk@thermofisher.com

1.4. Emergency telephone number

For information **US** call: 001-800-227-6701 / **Europe** call: +32 14 57 52 11 Emergency Number **US**:001-201-796-7100 / **Europe**: +32 14 57 52 99 **CHEMTREC** Tel. No.**US**:001-800-424-9300 / **Europe**:001-703-527-3887

customers in Switzerland:

Tox Info Suisse Emergency Number: 145 (24hr)

Tox Info Suisse: +41-44 251 51 51 (Emergency number from abroad)

Chemtrec (24h) Toll-Free: 0800 564 402 Chemtrec Local: +41-43 508 20 11 (Zurich)

Poison Centre - Emergency information services

Ireland: National Poisons Information Centre (NPIC) -

01 809 2166 (8am-10pm, 7 days a week)

Malta: +356 2395 2000 Cyprus: +357 2240 5611

## Section 2: HAZARDS IDENTIFICATION

## 2.1. Classification of the substance or mixture

CLP Classification - Regulation (EC) No 1272/2008

ALFAA42185

Chlorine in Heavy Mineral Oil standard solution, Specpure®, 50,000µg/g (5.00%)

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#### **Physical hazards**

Based on available data, the classification criteria are not met

## **Health hazards**

Aspiration Toxicity Category 1 (H304)

#### **Environmental hazards**

Based on available data, the classification criteria are not met

Full text of Hazard Statements: see section 16

## 2.2. Label elements



Signal Word

Danger

#### **Hazard Statements**

H304 - May be fatal if swallowed and enters airways

#### **Precautionary Statements**

P301 + P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician P331 - Do NOT induce vomiting

# 2.3. Other hazards

This product does not contain any known or suspected endocrine disruptors

# Section 3: Composition/information on ingredients

#### 3.2. Mixtures

Component	CAS No	EC No	Weight %	CLP Classification - Regulation (EC) No 1272/2008
White mineral oil, petroleum	8042-47-5	EEC No. 232-455-8	92.46	Asp. Tox. 1 (H304)
Ammonium chloride	12125-02-9	235-186-4	7.54	Acute Tox. 4 (H302) Eye Irrit. 2 (H319)

Full text of Hazard Statements: see section 16

Chlorine in Heavy Mineral Oil standard solution, Specpure®, 50,000µg/g (5.00%)

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# **Section 4: First aid measures**

#### 4.1. Description of first aid measures

**General Advice** If symptoms persist, call a physician.

Eye Contact Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get

medical attention.

**Skin Contact** Wash off immediately with plenty of water for at least 15 minutes. If skin irritation persists,

call a physician.

Ingestion Clean mouth with water and drink afterwards plenty of water. Do NOT induce vomiting. Call

a physician or poison control center immediately. If vomiting occurs naturally, have victim

lean forward.

Inhalation Remove to fresh air. If not breathing, give artificial respiration. Get medical attention if

symptoms occur. Risk of serious damage to the lungs (by aspiration).

Self-Protection of the First Aider No special precautions required.

#### 4.2. Most important symptoms and effects, both acute and delayed

None reasonably foreseeable.

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

Notes to Physician Treat symptomatically.

# **Section 5: Firefighting measures**

#### 5.1. Extinguishing media

#### **Suitable Extinguishing Media**

Carbon dioxide (CO<sub>2</sub>). Powder. Water spray. In case of major fire and large quantities: Evacuate area. Fight fire remotely due to the risk of explosion.

## Extinguishing media which must not be used for safety reasons

No information available.

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

Thermal decomposition can lead to release of irritating gases and vapors.

# **Hazardous Combustion Products**

Carbon monoxide (CO), Carbon dioxide (CO2), Nitrogen oxides (NOx), Hydrogen chloride, Ammonia.

### 5.3. Advice for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

## Section 6: ACCIDENTAL RELEASE MEASURES

#### 6.1. Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation. Use personal protective equipment as required.

Chlorine in Heavy Mineral Oil standard solution, Specpure®, 50,000µg/g (5.00%)

#### 6.2. Environmental precautions

Should not be released into the environment. See Section 12 for additional Ecological Information.

# 6.3. Methods and material for containment and cleaning up

Soak up with inert absorbent material. Keep in suitable, closed containers for disposal.

#### 6.4. Reference to other sections

Refer to protective measures listed in Sections 8 and 13.

# **Section 7: Handling and storage**

#### 7.1. Precautions for safe handling

Wear personal protective equipment/face protection. Ensure adequate ventilation. Avoid ingestion and inhalation. Do not get in eyes, on skin, or on clothing.

#### **Hygiene Measures**

Handle in accordance with good industrial hygiene and safety practice. Keep away from food, drink and animal feeding stuffs. Do not eat, drink or smoke when using this product. Remove and wash contaminated clothing and gloves, including the inside, before re-use. Wash hands before breaks and after work.

#### 7.2. Conditions for safe storage, including any incompatibilities

Keep container tightly closed in a dry and well-ventilated place.

Technical Rules for Hazardous Substances (TRGS) 510

Storage Class (LGK) (Germany)

Storage Class/LGK 10

Switzerland - Storage of hazardous substances

Storage class - SC 10/12

https://www.kvu.ch/de/themen/stoffe-und-produkte https://www.kvu.ch/fr/themes/substances-et-produits https://www.kvu.ch/it/temi/sostanze-e-prodotti

# 7.3. Specific end use(s)

Use in laboratories

# **Section 8: Exposure controls/personal protection**

#### 8.1. Control parameters

#### **Exposure limits**

List source(s): **UK** - EH40/2005 Work Exposure Limits, Forth edition. Published 2020. **IRE** - 2010 Code of Practice for the Safety, Health and Welfare at Work (Chemical Agents) Regulations 2001. Published by the Health and Safety Authority. **CH** - The Government of Switzerland has set a directive on limit values for working materials (Grenzwerte am Arbeitsplatz) which is based on the Swiss Federal Regulation "Verordnung über die Verhütung von Unfällen und Berufskrankheiten". This directive is administered, periodically revised and enforced by SUVA (Swiss National Accident Insurance Fund).

	Component	European Union	The United Kingdom	France	Belgium	Spain
Ī	Ammonium chloride		STEL: 20 mg/m <sup>3</sup> 15 min	TWA / VME: 10 mg/m <sup>3</sup>	TWA: 10 mg/m <sup>3</sup> 8 uren	STEL / VLA-EC: 20
			TWA: 10 mg/m <sup>3</sup> 8 hr	(8 heures).	STEL: 20 mg/m <sup>3</sup> 15	mg/m³ (15 minutos).
					minuten	TWA / VLA-ED: 10
l						mg/m³ (8 horas)

Component	Italy	Germany	Portugal	The Netherlands	Finland
White mineral oil,		TWA: 5 mg/m <sup>3</sup> (8			

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petroleum	Stunden). AGW - exposure factor 4 TWA: 5 mg/m³ (8 Stunden). MAK Höhepunkt: 20 mg/r		
Ammonium chloride		STEL: 20 mg/m³ 15 minutos TWA: 10 mg/m³ 8 horas	

Component	Austria	Denmark	Switzerland	Poland	Norway
White mineral oil, petroleum			TWA: 5 mg/m <sup>3</sup> 8 Stunden		
Ammonium chloride		TWA: 10 mg/m³ 8 timer STEL: 20 mg/m³ 15 minutter	TWA: 3 mg/m <sup>3</sup> 8 Stunden	STEL: 20 mg/m³ 15 minutach TWA: 10 mg/m³ 8 godzinach	TWA: 10 mg/m³ 8 timer STEL: 20 mg/m³ 15 minutter. set equal to the limit value for Nuisance dust;value calculated

Component	Bulgaria	Croatia	Ireland	Cyprus	Czech Republic
Ammonium chloride	TWA: 10.0 mg/m <sup>3</sup>	TWA-GVI: 10 mg/m <sup>3</sup> 8	TWA: 10 mg/m <sup>3</sup> 8 hr.		TWA: 5 mg/m <sup>3</sup> 8
	_	satima.	fume		hodinách. fume
		STEL-KGVI: 20 mg/m <sup>3</sup>	STEL: 20 mg/m <sup>3</sup> 15 min		Ceiling: 10 mg/m <sup>3</sup> fume
		15 minutama.	-		

Component	Estonia	Gibraltar	Greece	Hungary	Iceland
White mineral oil,				TWA: 5 mg/m <sup>3</sup> 8	
petroleum				órában. AK	
Ammonium chloride			STEL: 20 mg/m <sup>3</sup>		TWA: 10 mg/m <sup>3</sup> 8
			TWA: 10 mg/m <sup>3</sup>		klukkustundum. fume
					Ceiling: 20 mg/m <sup>3</sup> fume

Component	Latvia	Lithuania	Luxembourg	Malta	Romania
White mineral oil,	TWA: 5 mg/m <sup>3</sup>				
petroleum					
Ammonium chloride	TWA: 10 mg/m <sup>3</sup>	TWA: 10 mg/m <sup>3</sup> IPRD			TWA: 5 mg/m <sup>3</sup> 8 ore
					STEL: 10 mg/m <sup>3</sup> 15
					minute

Component	Russia	Slovak Republic	Slovenia	Sweden	Turkey
White mineral oil, petroleum	Skin notation MAC: 5 mg/m <sup>3</sup>		TWA: 5 mg/m³ 8 urah respirable fraction STEL: 20 mg/m³ 15 minutah respirable fraction		
Ammonium chloride	MAC: 10 mg/m <sup>3</sup>				

#### **Biological limit values**

This product, as supplied, does not contain any hazardous materials with biological limits established by the region specific regulatory bodies

# **Monitoring methods**

BS EN 14042:2003 Title Identifier: Workplace atmospheres. Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents.

# Derived No Effect Level (DNEL) / Derived Minimum Effect Level (DMEL)

See table for values

	Component	Acute effects local	Acute effects	Chronic effects local	Chronic effects
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Chlorine in Heavy Mineral Oil standard solution, Specpure®, 50,000µg/g (5.00%)

	(Dermal)	systemic (Dermal)	(Dermal)	systemic (Dermal)
White mineral oil, petroleum				DNEL = 217.05mg/kg
8042-47-5 ( 92.46 )				bw/day

Component	Acute effects local (Inhalation)	Acute effects systemic (Inhalation)	Chronic effects local (Inhalation)	Chronic effects systemic (Inhalation)
White mineral oil, petroleum 8042-47-5 ( 92.46 )				DNEL = 164.56mg/m <sup>3</sup>

#### **Predicted No Effect Concentration (PNEC)**

See values below.

#### 8.2. Exposure controls

#### **Engineering Measures**

None under normal use conditions.

Personal protective equipment

**Eye Protection** Wear safety glasses with side shields (or goggles) (European standard - EN 166)

Hand Protection Protective gloves

Г	Glove material	Breakthrough time	Glove thickness	EU standard	Glove comments
	Nitrile rubber	See manufacturers	-	EN 374	(minimum requirement)
		recommendations			

**Skin and body protection** Long sleeved clothing.

Inspect gloves before use. observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. (Refer to manufacturer/supplier for information) gloves are suitable for the task: Chemical compatability, Dexterity, Operational conditions, User susceptibility, e.g. sensitisation effects, also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion. gloves with care avoiding skin contamination.

**Respiratory Protection** No protective equipment is needed under normal use conditions.

Large scale/emergency use Use a NIOSH/MSHA or European Standard EN 136 approved respirator if exposure limits

are exceeded or if irritation or other symptoms are experienced

Recommended Filter type: Particle filter

Small scale/Laboratory use Maintain adequate ventilation

**Environmental exposure controls** No information available.

# Section 9: Physical and chemical properties

# 9.1. Information on basic physical and chemical properties

Physical State Liquid

**Appearance** 

**Odor** oily

Odor Threshold No data available
Melting Point/Range No data available
Softening Point No data available

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Liquid

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Boiling Point/Range No information available

Flammability (liquid)

Flammability (solid,gas)

No data available

Not applicable

Explosion Limits No data available

Flash Point 115 °C / 239 °F Method - No information available

Autoignition TemperatureNo data availableDecomposition TemperatureNo data availablepHNo information availableViscosityNo data available

Water Solubility Immiscible

Solubility in other solvents No information available

Partition Coefficient (n-octanol/water)

**Component**White mineral oil, petroleum
Ammonium chloride

log Pow
>6
-4.38

Vapor Pressure <=1100 hPa @ 50 °C Density / Specific Gravity No data available

Bulk DensityNot applicableLiquidVapor DensityNo data available(Air = 1.0)

Particle characteristics Not applicable (liquid)

9.2. Other information

# Section 10: Stability and reactivity

10.1. Reactivity

None known, based on information available

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

Hazardous PolymerizationNo information available.Hazardous ReactionsNone under normal processing.

10.4. Conditions to avoid

Incompatible products. Excess heat.

10.5. Incompatible materials

Oxidizing agent.

10.6. Hazardous decomposition products

Carbon monoxide (CO). Carbon dioxide (CO<sub>2</sub>). Nitrogen oxides (NOx). Hydrogen chloride.

Ammonia.

# Section 11: Toxicological information

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

**Product Information** 

(a) acute toxicity;

Oral Based on available data, the classification criteria are not met

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Based on available data, the classification criteria are not met **Dermal** Inhalation Based on available data, the classification criteria are not met

## Toxicology data for the components

ſ	Component	LD50 Oral	LD50 Dermal	LC50 Inhalation
Ī	White mineral oil, petroleum	LD50 > 5000 mg/kg (Rat)	-	-
Ī	Ammonium chloride	1650 mg/kg (Rat)	> 2000 mg/kg	<u>-</u>

(b) skin corrosion/irritation; No data available

(c) serious eye damage/irritation; No data available

(d) respiratory or skin sensitization;

Respiratory No data available Skin No data available

No data available (e) germ cell mutagenicity;

(f) carcinogenicity; No data available

There are no known carcinogenic chemicals in this product

(g) reproductive toxicity; No data available

No data available (h) STOT-single exposure;

No data available (i) STOT-repeated exposure;

**Target Organs** No information available.

(j) aspiration hazard; Category 1

Symptoms / effects,both acute and No information available. delayed

11.2. Information on other hazards

**Endocrine Disrupting Properties** Assess endocrine disrupting properties for human health. This product does not contain any

known or suspected endocrine disruptors.

# **Section 12: Ecological information**

12.1. Toxicity **Ecotoxicity effects** 

Component	Freshwater Fish	Water Flea	Freshwater Algae
White mineral oil, petroleum	LC50: > 10000 mg/L/96h (Lepomis macrochirus)		
Ammonium chloride	Cyprinus carpio:	EC50 = 202 mg/L/24h	-

Chlorine in Heavy Mineral Oil standard solution, Specpure®, 50,000µg/g (5.00%)

LC50 = 209 mg/L

Component	Microtox	M-Factor
Ammonium chloride	-	

## 12.2. Persistence and degradability

Persistence

May persist.

#### 12.3. Bioaccumulative potential

Product has a high potential to bioconcentrate

Component	log Pow	Bioconcentration factor (BCF)
White mineral oil, petroleum	>6	No data available
Ammonium chloride	-4.38	No data available

12.4. Mobility in soil

Spillage unlikely to penetrate soil Is not likely mobile in the environment due its low water solubility. Is not likely mobile in the environment due its low water solubility and propensity to bind to soil particles

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12.5. Results of PBT and vPvB

assessment

No data available for assessment.

12.6. Endocrine disrupting

properties

**Endocrine Disruptor Information** 

This product does not contain any known or suspected endocrine disruptors

12.7. Other adverse effects

Persistent Organic Pollutant Ozone Depletion Potential This product does not contain any known or suspected substance This product does not contain any known or suspected substance

# **Section 13: Disposal considerations**

#### 13.1. Waste treatment methods

Waste from Residues/Unused

**Products** 

Waste is classified as hazardous. Dispose of in accordance with the European Directives on waste and hazardous waste. Dispose of in accordance with local regulations.

Contaminated Packaging Dispose of this container to hazardous or special waste collection point.

European Waste Catalogue (EWC) According to the European Waste Catalog, Waste Codes are not product specific, but

application specific.

Other Information Waste codes should be assigned by the user based on the application for which the product

was used. Do not empty into drains.

Switzerland - Waste Ordinance Disposal should be in accordance with applicable regional, national and local laws and

regulations. Ordinance on the Avoidance and the Disposal of Waste (Waste Ordinance,

ADWO) SR 814.600

https://www.fedlex.admin.ch/eli/cc/2015/891/en

# **Section 14: Transport information**

IMDG/IMO Not regulated

14.1. UN number

\_\_\_\_\_\_ALFAA42185

Chlorine in Heavy Mineral Oil standard solution, Specpure®, 50,000µg/g (5.00%)

14.2. UN proper shipping name

14.3. Transport hazard class(es)

14.4. Packing group

ADR Not regulated

14.1. UN number

14.2. UN proper shipping name

14.3. Transport hazard class(es)

14.4. Packing group

<u>IATA</u> Not regulated

14.1. UN number

14.2. UN proper shipping name

14.3. Transport hazard class(es)

14.4. Packing group

14.5. Environmental hazards No hazards identified

**14.6. Special precautions for user** No special precautions required.

14.7. Maritime transport in bulk

according to IMO instruments

# Section 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Not applicable, packaged goods

#### **International Inventories**

Europe (EINECS/ELINCS/NLP), China (IECSC), Taiwan (TCSI), Korea (KECL), Japan (ENCS), Japan (ISHL), Canada (DSL/NDSL), Australia (AICS), New Zealand (NZIoC), Philippines (PICCS). US EPA (TSCA) - Toxic Substances Control Act, (40 CFR Part 710)

Component	CAS No	EINECS	ELINCS	NLP	IECSC	TCSI	KECL	ENCS	ISHL
White mineral oil, petroleum	8042-47-5	232-455-8	-	-	X	X	KE-35412	X	X
Ammonium chloride	12125-02-9	235-186-4	-	-	X	Х	KE-01645	X	X

Component	CAS No	TSCA	TSCA Inventory notification - Active-Inactive	DSL	NDSL	AICS	NZIoC	PICCS
White mineral oil, petroleum	8042-47-5	X	ACTIVE	X	-	X	X	Х
Ammonium chloride	12125-02-9	Х	ACTIVE	X	-	X	Х	Х

**Legend:** X - Listed '-' - Not Listed **KECL** - NIER number or KE number (http://ncis.nier.go.kr/en/main.do)

#### Authorisation/Restrictions according to EU REACH

		•	1907/2006) article 59 - Candidate List of Substances of Very High Concern (SVHC)
8042-47-5	-	-	-
12125-02-9	-	Use restricted. See entry	-
		(see link for restriction details) Use restricted. See entry 65.	
	8042-47-5	8042-47-5 - 12125-02-9 -	Subject to Authorization on Certain Dangerous Substances  8042-47-5  12125-02-9  - Use restricted. See entry 75. (see link for restriction details) Use restricted. See

Chlorine in Heavy Mineral Oil standard solution, Specpure®, 50,000µg/g (5.00%)

details)

#### **REACH links**

https://echa.europa.eu/substances-restricted-under-reach

#### Seveso III Directive (2012/18/EC)

Component	CAS No	Seveso III Directive (2012/18/EC) - Qualifying Quantities for Major Accident Notification	Seveso III Directive (2012/18/EC) - Qualifying Quantities for Safety Report Requirements
White mineral oil, petroleum	8042-47-5	Not applicable	Not applicable
Ammonium chloride	12125-02-9	Not applicable	Not applicable

Regulation (EC) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of dangerous chemicals

Not applicable

Contains component(s) that meet a 'definition' of per & poly fluoroalkyl substance (PFAS)? Not applicable

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work .

#### **National Regulations**

UK - Take note of Control of Substances Hazardous to Health Regulations (COSHH) 2002 and 2005 Amendment

**WGK Classification** Water endangering class = 1 (self classification)

Component	Germany - Water Classification (AwSV)	Germany - TA-Luft Class
White mineral oil, petroleum	WGK1	
Ammonium chloride	WGK1	

Component	France - INRS (Tables of occupational diseases)
White mineral oil, petroleum	Tableaux des maladies professionnelles (TMP) - RG 36bis

#### **Swiss Regulations**

Article 4 para. 4 of the Ordinance on the protection of young people in the workplace (SR 822.115) and Article 1 lit. f of the EAER regulation on hazardous work and young people (SR 822.115.2).

Take note on Article 13 Maternity Ordinance (SR 822.111.52) with regards expectant and nursing mothers.

Component	Reduction of Risk from handling of hazardous substances preparation (SR 814.81)		Switzerland - Ordinance of the Rotterdam Convention on the Prior Informed Consent Procedure
Ammonium chloride 12125-02-9 ( 7.54 )	Prohibited and Restricted Substances		

#### 15.2. Chemical safety assessment

Chemical Safety Assessment/Reports (CSA/CSR) are not required for mixtures

# **Section 16: Other information**

# Full text of H-Statements referred to under sections 2 and 3

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H304 - May be fatal if swallowed and enters airways

H302 - Harmful if swallowed

H319 - Causes serious eye irritation

#### Legend

**CAS** - Chemical Abstracts Service

TSCA - United States Toxic Substances Control Act Section 8(b)

Inventory

EINECS/ELINCS - European Inventory of Existing Commercial Chemical DSL/NDSL - Canadian Domestic Substances List/Non-Domestic

Substances/EU List of Notified Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

**IECSC** - Chinese Inventory of Existing Chemical Substances **KECL** - Korean Existing and Evaluated Chemical Substances Substances List

**ENCS** - Japanese Existing and New Chemical Substances

AICS - Australian Inventory of Chemical Substances NZIoC - New Zealand Inventory of Chemicals

WEL - Workplace Exposure Limit

**ACGIH** - American Conference of Governmental Industrial Hygienists

**DNEL** - Derived No Effect Level

RPE - Respiratory Protective Equipment LC50 - Lethal Concentration 50%

NOEC - No Observed Effect Concentration PBT - Persistent, Bioaccumulative, Toxic

TWA - Time Weighted Average

IARC - International Agency for Research on Cancer

Predicted No Effect Concentration (PNEC)

LD50 - Lethal Dose 50%

EC50 - Effective Concentration 50% POW - Partition coefficient Octanol:Water vPvB - very Persistent, very Bioaccumulative

ADR - European Agreement Concerning the International Carriage of

Dangerous Goods by Road

IMO/IMDG - International Maritime Organization/International Maritime Dangerous Goods Code

**OECD** - Organisation for Economic Co-operation and Development

**BCF** - Bioconcentration factor

ICAO/IATA - International Civil Aviation Organization/International Air

Transport Association

MARPOL - International Convention for the Prevention of Pollution from Shins

ATE - Acute Toxicity Estimate VOC - (volatile organic compound)

Key literature references and sources for data

https://echa.europa.eu/information-on-chemicals

Suppliers safety data sheet, Chemadvisor - LOLI, Merck index, RTECS

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

Physical hazards On basis of test data **Health Hazards** Calculation method **Environmental hazards** Calculation method

**Training Advice** 

Chemical hazard awareness training, incorporating labelling, Safety Data Sheets (SDS), Personal Protective Equipment (PPE) and hygiene.

**Prepared By** Health, Safety and Environmental Department

**Revision Date** 30-Nov-2024 **Revision Summary** Not applicable.

This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006. COMMISSION REGULATION (EU) 2020/878 amending Annex II to Regulation (EC) No 1907/2006

For Switzerland - Compiled in accordance with the technical provisions referred to in Annex 2, Number 3, ChemO (SR 813.11 - Ordinance on Protection against Dangerous Substances and Preparations).

#### Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text

# **End of Safety Data Sheet**

**ALFAA42185**