

according to Regulation UK SI 2019/758 and UK SI 2020/1577 as amended

Creation Date 06-May-2009

Revision Date 05-Sep-2023

**Revision Number** 3

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

#### 1.1. Product identifier

Product Description: Cat No. : Molecular Formula 4-Methyl-2-pyrid-3-yl-1,3-thiazole-5-carbaldehyde CC74104DA; CC74104CB; CC74104ZZ C10 H8 N2 O S

#### 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

#### UK entity/business name

Thermo Fisher Scientific (Heysham), Shore Road, Port of Heysham Industrial Park, Heysham, Lancashire, LA3 2XY United Kingdom

#### EU entity/business name

Thermo Fisher Scientific Janssen Pharmaceuticalaan 3a 2440 Geel, Belgium

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

### **SECTION 2: HAZARDS IDENTIFICATION**

#### 2.1. Classification of the substance or mixture

CLP Classification - Regulation (EC) No 1272/2008

#### Physical hazards

Based on available data, the classification criteria are not met

#### Health hazards

#### 4-Methyl-2-pyrid-3-yl-1,3-thiazole-5-carbaldehyde

Acute oral toxicity Skin Corrosion/Irritation Serious Eye Damage/Eye Irritation Specific target organ toxicity - (single exposure)

#### **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

Warning

#### **Hazard Statements**

H302 - Harmful if swallowed

H315 - Causes skin irritation

H319 - Causes serious eve irritation

H335 - May cause respiratory irritation

#### **Precautionary Statements**

P301 + P330 + P331 - IF SWALLOWED: rinse mouth. Do NOT induce vomiting

P312 - Call a POISON CENTER or doctor if you feel unwell

P302 + P352 - IF ON SKIN: Wash with plenty of soap and water

P337 + P313 - If eye irritation persists: Get medical advice/attention

P304 + P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing

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

P332 + P313 - If skin irritation occurs: Get medical advice/attention

#### 2.3. Other hazards

This product does not contain any known or suspected endocrine disruptors

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

#### 3.1. Substances

Component	CAS No	EC No	Weight %	CLP Classification - Regulation (EC) No 1272/2008
4-Methyl-2-pyrid-3-yl-1,3-thiazole-5-carbald ehyde	958443-39-5		97	STOT SE 3 (H335) Skin Irrit. 2 (H315) Eye Irrit. 2 (H319) Acute Tox. 4 (H302)

Revision Date 05-Sep-2023

Category 4 (H302) Category 2 (H315) Category 2 (H319) Category 3 (H335)

Full text of Hazard Statements: see section 16

### **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. Get medical attention if symptoms occur.
Inhalation	Remove to fresh air. If not breathing, give artificial respiration. Get medical attention if symptoms occur.
Self-Protection of the First Aider	Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination.
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

Water spray, carbon dioxide (CO2), dry chemical, alcohol-resistant foam.

# 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 (CO<sub>2</sub>), Nitrogen oxides (NOx), Sulfur oxides.

#### 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

#### 4-Methyl-2-pyrid-3-yl-1,3-thiazole-5-carbaldehyde

Ensure adequate ventilation. Use personal protective equipment as required. Avoid dust formation.

#### 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

Sweep up and shovel into suitable containers for disposal. 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. Do not get in eyes, on skin, or on clothing. Avoid ingestion and inhalation. Avoid dust formation.

#### **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 containers tightly closed in a dry, cool and well-ventilated place.

Technical Rules for Hazardous Substances (TRGS) 510 Class 11 Storage Class (LGK) (Germany)

#### 7.3. Specific end use(s)

Use in laboratories

### **SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

#### 8.1. Control parameters

#### **Exposure limits**

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

#### **Biological limit values**

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

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

No information available

#### Predicted No Effect Concentration (PNEC)

No information available.

#### 8.2. Exposure controls

#### **Engineering Measures**

Ensure that eyewash stations and safety showers are close to the workstation location. Ensure adequate ventilation, especially in confined areas.

Wherever possible, engineering control measures such as the isolation or enclosure of the process, the introduction of process or equipment changes to minimise release or contact, and the use of properly designed ventilation systems, should be adopted to control hazardous materials at source

#### Personal protective equipment Eye Protection

Goggles (European standard - EN 166)

Hand Protection

Protective gloves

Glove materia Nitrile rubber Neoprene Natural rubber PVC	See ma recom	hrough time anufacturers mendations	Glove thickness	EU standard EN 374	Glove comments (minimum requirement)
Skin and body	protection	Long sle	eved clothing.		

Inspect gloves before use.

Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. (Refer to manufacturer/supplier for information)

Ensure 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.

Remove gloves with care avoiding skin contamination.

Respiratory Protection	When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. To protect the wearer, respiratory protective equipment must be the correct fit and be used and maintained properly
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 <b>Recommended Filter type:</b> Particulates filter conforming to EN 143
Small scale/Laboratory use	Use a NIOSH/MSHA or European Standard EN 149:2001 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced. <b>Recommended half mask:-</b> Particle filtering: EN149:2001 When RPE is used a face piece Fit Test should be conducted
Environmental exposure controls	No information available.

nvironmental exposure controls No information available.

### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

#### 9.1. Information on basic physical and chemical properties

#### 4-Methyl-2-pyrid-3-yl-1,3-thiazole-5-carbaldehyde

Physical State	Solid	
Appearance	Light cream	
Odor	No information available	
Odor Threshold	No data available	
Melting Point/Range	125 - 131.5 °C / 257 - 268.7 °F	
Softening Point	No data available	
Boiling Point/Range	No information available	
Flammability (liquid)	Not applicable	Solid
Flammability (solid,gas)	No information available	
Explosion Limits	No data available	
Flash Point	No information available	Method - No information available
Autoignition Temperature	No data available	
Decomposition Temperature	No data available	
pH	No information available	
Viscosity	Not applicable	Solid
Water Solubility	No information available	
Solubility in other solvents	No information available	
Partition Coefficient (n-octanol/wate	er)	
Vapor Pressure	No data available	
Density / Specific Gravity	No data available	
Bulk Density	No data available	
Vapor Density	Not applicable	Solid
Particle characteristics	No data available	
9.2. Other information		
Molecular Formula	C10 H8 N2 O S	

Molecular Formula	C10 H8 N2 O S
Molecular Weight	204.25
Evaporation Rate	Not applicable - Solid

# 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 react	ions
Hazardous Polymerization Hazardous Reactions	Hazardous polymerization does not occur. None under normal processing.
10.4. Conditions to avoid	Incompatible products. Excess heat. Avoid dust formation.
10.5. Incompatible materials	Strong oxidizing agents. Strong reducing agents.

#### 10.6. Hazardous decomposition products

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

### SECTION 11: TOXICOLOGICAL INFORMATION

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

#### **Product Information**

(a) acute toxicity; Oral Dermal Inhalation	Category 4 No data available No data available
(b) skin corrosion/irritation;	Category 2
(c) serious eye damage/irritation;	Category 2
(d) respiratory or skin sensitization; Respiratory Skin	No data available No data available
(e) germ cell mutagenicity;	No data available
(f) carcinogenicity;	No data available
	There are no known carcinogenic chemicals in this product
(g) reproductive toxicity;	No data available
(h) STOT-single exposure;	Category 3
Results / Target organs	Respiratory system.
(i) STOT-repeated exposure;	No data available
Target Organs	No information available.
(j) aspiration hazard;	Not applicable Solid
Other Adverse Effects	The toxicological properties have not been fully investigated.
Symptoms / effects,both acute and delayed	No information available.

#### 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

Contains no substances known to be hazardous to the environment or that are not degradable in waste water treatment plants.

4-Methyl-2-pyrid-3-yl-1,3-thiazole-5-carbaldehyde

12.2. Persistence and degradability	No information available
12.3. Bioaccumulative potential	No information available
12.4. Mobility in soil	No information available
<u>12.5. Results of PBT and vPvB</u> assessment	No data available for assessment.
<u>12.6. Endocrine disrupting</u> properties Endocrine Disruptor Information	This product does not contain any known or suspected endocrine disruptors
<u>12.7. Other adverse effects</u> Persistent Organic Pollutant	This product does not contain any known or suspected substance

# **SECTION 13: DISPOSAL CONSIDERATIONS**

This product does not contain any known or suspected substance

#### 13.1. Waste treatment methods

**Ozone Depletion Potential** 

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.

## **SECTION 14: TRANSPORT INFORMATION**

#### IMDG/IMO

Not regulated

14.1. UN number14.2. UN proper shipping name14.3. Transport hazard class(es)14.4. Packing group

ADR

Not regulated

14.1. UN number14.2. UN proper shipping name14.3. Transport hazard class(es)14.4. Packing group

#### 4-Methyl-2-pyrid-3-yl-1,3-thiazole-5-carbaldehyde

<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 hazardsNo hazards identified14.6. Special precautions for userNo special precautions required.

14.7. Maritime transport in bulk according to IMO instruments Not applicable, packaged goods

### SECTION 15: REGULATORY INFORMATION

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

#### 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
4-Methyl-2-pyrid-3-yl-1,3-thiazole-	958443-39-5	-	-	-	-	-	-	-	-
5-carbaldehyde									

Component	CAS No	TSCA	TSCA Inventory notification - Active-Inactive	DSL	NDSL	AICS	NZIoC	PICCS
4-Methyl-2-pyrid-3-yl-1,3-thiazole- 5-carbaldehyde	958443-39-5	-	-	-	-	-	-	-

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 Not applicable

Component CAS No REACH (1907/2006) -REACH (1907/2006) -**REACH Regulation (EC** 1907/2006) article 59 -Annex XIV - Substances Annex XVII - Restrictions on Certain Dangerous Subject to Authorization Candidate List of Substances of Very High Substances Concern (SVHC) 4-Methyl-2-pyrid-3-yl-1,3-thiazole-5-958443-39-5 carbaldehyde

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

Component	CAS No	Seveso III Directive (2012/18/EC) - Qualifying Quantities for Major Accident	Seveso III Directive (2012/18/EC) - Qualifying Quantities for Safety Report		
		Notification	Requirements		
4-Methyl-2-pyrid-3-yl-1,3-thia zole-5-carbaldehyde	958443-39-5	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 = 3 (self classification)

#### 15.2. Chemical safety assessment

A Chemical Safety Assessment/Report (CSA/CSR) has not been conducted

### **SECTION 16: OTHER INFORMATION**

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

H302 - Harmful if swallowed H315 - Causes skin irritation

H319 - Causes serious eye irritation

H335 - May cause respiratory irritation

#### Legend

EINECS/ELINCS - European Inventory of Existing Commercial Chemical       Inventory         Substances/EU List of Notified Chemical Substances       DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List         PICCS - Philippines Inventory of Existing Chemical Substances       ENCS - Japanese Existing and New Chemical Substances         IECSC - Chinese Inventory of Existing Chemical Substances       ENCS - Japanese Existing and New Chemical Substances         IECS - Chinese Inventory of Existing Chemical Substances       ENCS - Japanese Existing and New Chemical Substances         WEL - Workplace Exposure Limit       TWA - Time Weighted Average         ACGIH - American Conference of Governmental Industrial Hygienists       TWA - Time Weighted Average         IACS - Lethal Concentration 50%       ECS0 - Lethal Concentration 50%         NOEC - No Observed Effect Concentration PBT - Persistent, Bioaccumulative, Toxic       POW - Partition coefficient Octanol:Water vPVB - very Persistent, very Bioaccumulative         ADR - European Agreement Concerning the International Carriage of Dangerous Goods by Road       ICAO/IATA - International Civil Aviation Organization/International Air Transport Association         IMO/IMDG - International Maritime Organization/International Maritime OECO-operation and Development       MARPOL - International Convention for the Prevention of Pollution from Ships		
EINECS/ELINCS - European Inventory of Existing Commercial Chemical       DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances/EU List of Notified Chemical Substances         PICCS - Philipipines Inventory of Chemicals and Chemical Substances       ENCS - Japanese Existing and New Chemical Substances         RECSC - Chinese Inventory of Existing Chemical Substances       ENCS - Japanese Existing and New Chemical Substances         KECL - Korean Existing and Evaluated Chemical Substances       NZIOC - New Zealand Inventory of Chemicals         WEL - Workplace Exposure Limit       TWA - Time Weighted Average         ACGIH - American Conference of Governmental Industrial Hygienists       IARC - International Agency for Research on Cancer         Predicted No Effect Level       Predicted No Effect Concentration 50%         RDE - No Observed Effect Concentration       POW - Partition coefficient Octanol:Water         PBT - Persistent, Bioaccumulative, Toxic       VPVB - very Persistent, very Bioaccumulative         ADR - European Agreement Concerning the International Carriage of Dangerous Goods by Road       ICAO/IATA - International Civil Aviation Organization/International Air Transport Association         IMO/IMDG - International Maritime Organization/International Maritime Dangerous Goods Code       MARPOL - International Convention for the Prevention of Pollution from Ships         OECD - Organisation for Economic Co-operation and Development       KC - Acute Toxicity Estimate         KC - Bioconcentration factor       VOC - (Volatile Organic C	CAS - Chemical Abstracts Service	
PICCS - Philippines Inventory of Chemicals and Chemical Substances         IECSC - Chinese Inventory of Existing Chemical Substances         KECL - Korean Existing and Evaluated Chemical Substances         WEL - Workplace Exposure Limit         ACGIH - American Conference of Governmental Industrial Hygienists         DNEL - Derived No Effect Level         RPE - Respiratory Protective Equipment         LCS0 - Lethal Concentration 50%         NOEC - No Observed Effect Concentration 50%         PBT - Persistent, Bioaccumulative, Toxic         ADR - European Agreement Concerning the International Carriage of Dangerous Goods by Road         IMO/INDG - International Maritime Organization/International Maritime Organization/International Maritime Dangerous Goods Code         OECD - Organisation for Economic Co-operation and Development         BCF - Bioconcentration factor		DSL/NDSL - Canadian Domestic Substances List/Non-Domestic
<ul> <li>IECSC - Chinese Inventory of Existing Chemical Substances</li> <li>KECL - Korean Existing and Evaluated Chemical Substances</li> <li>WEL - Workplace Exposure Limit</li> <li>ACGIH - American Conference of Governmental Industrial Hygienists</li> <li>DNEL - Derived No Effect Level</li> <li>RPE - Respiratory Protective Equipment</li> <li>LC50 - Lethal Concentration 50%</li> <li>NOEC - No Observed Effect Concentration</li> <li>PBT - Persistent, Bioaccumulative, Toxic</li> <li>ADR - European Agreement Concerning the International Carriage of Dangerous Goods by Road</li> <li>IMO/IMDG - International Maritime Organization/International Maritime Dragarization for Economic Co-operation and Development</li> <li>BCF - Bioconcentration factor</li> </ul>		
KECL - Korean Existing and Evaluated Chemical Substances       NZIoC - New Zealand Inventory of Chemicals         WEL - Workplace Exposure Limit       TWA - Time Weighted Average         ACGIH - American Conference of Governmental Industrial Hygienists       IARC - International Agency for Research on Cancer         DNEL - Derived No Effect Level       Predicted No Effect Concentration (PNEC)         LC50 - Lethal Concentration 50%       EC50 - Effective Concentration 50%         NOEC - No Observed Effect Concentration       POW - Partition coefficient Octanol:Water         PBT - Persistent, Bioaccumulative, Toxic       POW - Partition coefficient Octanol:Water         ADR - European Agreement Concerning the International Carriage of       ICAO/IATA - International Civil Aviation Organization/International Air         IMO/IMDG - International Maritime Organization/International Maritime       MARPOL - International Convention for the Prevention of Pollution from         Dangerous Goods Code       OECD - Organisation for Economic Co-operation and Development       ATE - Acute Toxicity Estimate         VOC - (Volatile Organic Compound)       Voc - (Volatile Organic Compound)       Pompound)		
WEL - Workplace Exposure Limit       TWA - Time Weighted Average         ACGIH - American Conference of Governmental Industrial Hygienists       IARC - International Agency for Research on Cancer         PNEL - Derived No Effect Level       Predicted No Effect Concentration (PNEC)         RPE - Respiratory Protective Equipment       LD50 - Lethal Dose 50%         LC50 - Lethal Concentration 50%       EC50 - Effective Concentration 50%         NOEC - No Observed Effect Concentration       POW - Partition coefficient Octanol:Water         PBT - Persistent, Bioaccumulative, Toxic       vPvB - very Persistent, very Bioaccumulative         ADR - European Agreement Concerning the International Carriage of Dangerous Goods by Road       ICAO/IATA - International Civil Aviation Organization/International Air Transport Association         IMO/IMDG - International Maritime Organization/International Maritime Dangerous Goods Code       ATE - Acute Toxicity Estimate         OECD - Organisation for Economic Co-operation and Development BCF - Bioconcentration factor       ATE - Acute Toxicity Estimate	, ,	
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Dangerous Goods by Road       Transport Association         IMO/IMDG - International Maritime Organization/International Maritime       MARPOL - International Convention for the Prevention of Pollution from         Dangerous Goods Code       Ships         OECD - Organisation for Economic Co-operation and Development       ATE - Acute Toxicity Estimate         BCF - Bioconcentration factor       VOC - (Volatile Organic Compound)	PBT - Persistent, Bioaccumulative, Toxic	vPvB - very Persistent, very Bioaccumulative
Dangerous Goods by Road       Transport Association         IMO/IMDG - International Maritime Organization/International Maritime       MARPOL - International Convention for the Prevention of Pollution from         Dangerous Goods Code       Ships         OECD - Organisation for Economic Co-operation and Development       ATE - Acute Toxicity Estimate         BCF - Bioconcentration factor       VOC - (Volatile Organic Compound)	ADR - European Agreement Concerning the International Carriage of	ICAO/IATA - International Civil Aviation Organization/International Air
IMO/IMDG - International Maritime Organization/International Maritime       MARPOL - International Convention for the Prevention of Pollution from         Dangerous Goods Code       Ships         OECD - Organisation for Economic Co-operation and Development       ATE - Acute Toxicity Estimate         BCF - Bioconcentration factor       VOC - (Volatile Organic Compound)		6
Dangerous Goods Code       Ships         OECD - Organisation for Economic Co-operation and Development       ATE - Acute Toxicity Estimate         BCF - Bioconcentration factor       VOC - (Volatile Organic Compound)	<b>o</b>	
BCF - Bioconcentration factor VOC - (Volatile Organic Compound)	Dangerous Goods Code	Ships
	OECD - Organisation for Economic Co-operation and Development	ATE - Acute Toxicity Estimate
Key literature references and sources for data	BCF - Bioconcentration factor	VOC - (Volatile Organic Compound)
	Key literature references and sources for data	
https://echa.europa.eu/information-on-chemicals	https://echa.europa.eu/information-on-chemicals	
Suppliers safety data sheet, Chemadvisor - LOLI, Merck index, RTECS	Suppliers safety data sheet, Chemadvisor - LOLI, Merck index, R	TECS

#### **Training Advice**

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

hygiene.

Use of personal protective equipment, covering appropriate selection, compatibility, breakthrough thresholds, care, maintenance, fit and standards.

First aid for chemical exposure, including the use of eye wash and safety showers.

Creation Date Revision Date Revision Summary 06-May-2009 05-Sep-2023 SDS sections updated, 1, 2, 9, 11, 12, 15, 16.

### 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

Disclaimer

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# **End of Safety Data Sheet**