

SAFETY DATA SHEET

United States

Section 1. Identification

Product name

His Mag Sepharose™ excel, 5 x 1 ml (10% medium slurry)

Catalogue Number

17371221

Other means of identification

Product type

Liquid.

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

Not available.

Identified uses

Laboratory chemicals Liquid chromatography.

Scientific research and development

Industrial applications: Analytical chemistry. Scientific research and development. Liquid chromatography.

Supplier

Cytiva Amersham Place Little Chalfont Buckinghamshire HP7 9NA United Kingdom +44 0800 515 313

Cytiva USA 100 Results Way Marlborough, MA 01752 1-800-526-3593

In case of emergency

INFOTRAC - 24 Hour number: 1-800-535-5053

Outside of the United States, call 24 Hour number: 001-352-323-3500 (Call Collect)

Section 2. Hazards identification

OSHA/HCS status

This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR

1910.1200).

Classification of the substance

or mixture

FLAMMABLE LIQUIDS - Category 3 SKIN SENSITIZATION - Category 1 CARCINOGENICITY - Category 2

Percentage of the mixture consisting of ingredient(s) of unknown hazards to the aquatic

environment: 50%

GHS label elements

Hazard pictograms







Signal word

Article Number:

Hazard statements

Warning

Flammable liquid and vapor. May cause an allergic skin reaction. Suspected of causing cancer.

Precautionary statements

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Prevention Obtain special instructions before use. Do not handle until all safety precautions have been read

and understood. Wear protective gloves: 1 - 4 hours (breakthrough time): butyl rubber, neoprene. Wear protective clothing: Recommended: lab coat. Wear eye or face protection: Recommended: safety glasses with side-shields. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Use explosion-proof electrical, ventilating or lighting equipment. Use non-sparking tools. Take action to prevent static discharges. Keep container tightly closed. Avoid

breathing vapor. Contaminated work clothing must not be allowed out of the workplace. IF exposed or concerned: Get medical advice or attention. IF ON SKIN (or hair): Take off

immediately all contaminated clothing. Rinse skin with water. Wash contaminated clothing before reuse. IF ON SKIN: Wash with plenty of water. If skin irritation or rash occurs: Get medical advice

or 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.

Hazards not otherwise

classified

Response

None known.

Section 3. Composition/information on ingredients

Substance/mixture Mixture
Other means of identification Not available.

CAS number/other identifiers

CAS number Not applicable.

 Ingredient name
 %
 CAS number

 ethanol
 14 - 19
 64-17-5

 nickel
 0.12
 7440-02-0

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified 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 not breathing,

remove victim to fresh air and keep at rest in a position comfortable for breathing. 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 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 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. Get medical attention. In the event of any complaints or symptoms, avoid

further exposure. Wash clothing before reuse. Clean shoes thoroughly before reuse.

Ingestion 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. Get medical attention. 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 contactNo known significant effects or critical hazards. **Inhalation**No known significant effects or critical hazards.

Skin contact May cause an allergic skin reaction.

Ingestion No known significant effects or critical hazards.

Over-exposure signs/symptoms

Eye contact No specific data. **Inhalation** No specific data.

Skin contact Adverse symptoms may include the following:

irritation

Ingestion No specific data.

Indication of immediate medical 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.

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Specific treatments

No specific treatment

Protection of first-aiders

No action shall be taken involving any personal risk or without suitable training. 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. Fire-fighting measures

Extinguishing media

Suitable extinguishing media

Use dry chemical, CO2, water spray (fog) or foam.

Unsuitable extinguishing

media

Do not use water jet.

Specific hazards arising from

the chemical

Flammable liquid and vapor. Runoff to sewer may create fire or explosion hazard. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent

explosion.

Hazardous thermal decomposition products Decomposition products may include the following materials:

carbon dioxide carbon monoxide metal oxide/oxides

Special protective actions for

fire-fighters

Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.

Special protective equipment

for fire-fighters

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus

(SCBA) with a full face-piece operated in positive pressure mode.

Remark Use an extinguishing agent suitable for the surrounding fire.

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 spilled material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

For emergency responders

If specialized 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". Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Environmental precautions

Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

Methods and materials for containment and cleaning up

Small spill

Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosionproof 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 explosionproof equipment. Approach 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 spilled 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

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. 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 breathing vapor or mist. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use only non-sparking tools. Take precautionary measures against electrostatic discharges. To avoid fire or explosion, dissipate static electricity during transfer by grounding and bonding containers and equipment before transferring material. Empty containers retain product residue and can be hazardous. Do not reuse container.

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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.

Conditions for safe storage, including any incompatibilities

Store between the following temperatures: 4 to 30°C (39.2 to 86°F). Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Eliminate all ignition sources. Separate from oxidizing materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

Section 8. Exposure controls/personal protection

Control parameters

Occupational exposure limits

Ingredient name

ethanol

nickel

Exposure limits

ACGIH TLV (United States, 1/2022). Notes: 1996 Adoption Refers to Appendix A -- Carcinogens.

STEL: 1000 ppm 15 minutes.

NIOSH REL (United States, 10/2020). Notes:

TWA: 1900 mg/m³ 10 hours.

NIOSH REL (United States, 10/2020).

TWA: 1000 ppm 10 hours.

OSHA PEL (United States, 5/2018).

TWA: 1900 mg/m³ 8 hours. TWA: 1000 ppm 8 hours.

OSHA PEL 1989 (United States, 3/1989).

TWA: 1900 mg/m³ 8 hours. TWA: 1000 ppm 8 hours.

ACGIH TLV (United States, 1/2022). Notes: Refers to Appendix A -- Carcinogens. Inhalable fraction. See Appendix C, paragraph A. Inhalable Particulate Mass TLVs (IPM-TLVs) for those materials that are hazardous when deposited anywhere in the respiratory tract. 1998 Adoption.

TWA: 1.5 mg/m³ 8 hours. Form: Inhalable fraction NIOSH REL (United States, 10/2020). [nickel metal and other compounds as Ni] Notes: as Ni TWA: 0.015 mg/m³, (as Ni) 10 hours.

OSHA PEL (United States, 5/2018). [Nickel, metal and insoluble compounds (as Ni)] Notes: as Ni TWA: 1 mg/m³ (as Ni) 8 hours

TWA: 1 mg/m³, (as Ni) 8 hours.

OSHA PEL 1989 (United States, 3/1989). [Nickel, metal and insoluble compounds (as Ni)] Notes: as Ni

TWA: 1 mg/m³, (as Ni) 8 hours.

Biological exposure indices

No exposure indices known.

Appropriate engineering controls

Environmental exposure controls

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.

any lower explosive limits. Use explosion-proof ventilation equipment.

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: safety glasses with side-shields. Recommended: safety glasses with side-shields

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, vapor or dust concentrations below

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

Skin protection

acceptable levels.

Chemical-resistant, impervious gloves complying with an approved standard should be worn at all Hand protection

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. 1 - 4 hours

(breakthrough time): butyl rubber, neoprene

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 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.

Based on the hazard and potential for exposure, select a respirator that meets the appropriate Respiratory protection

standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use. Recommended: A respirator is

not needed under normal and intended conditions of product use.

Personal protective equipment (Pictograms)



Section 9. Physical and chemical properties

Appearance

Physical state Liquid. Color Blue. Green. Odor Alcohol-like. [Slight]

Odor threshold 180 ppm

5.5 to 8.5 [Conc. (% w/w): 100%] pН

Melting point/freezing point Not available. Boiling point, initial boiling Not available. point, and boiling range

Closed cup: 38 to 43°C (100.4 to 109.4°F) Flash point

Not applicable. **Burning time Burning rate** Not applicable. **Evaporation rate** Not available.

Flammability Use an extinguishing agent suitable for the surrounding fire.

Lower and upper explosive

(flammable) limits

Not available.

Not available Vapor pressure

					.p	
Ingredient name ethanol	mm Hg 42.95	kPa 5.7	Method	mm Hg	kPa	Method
water	23.8	3.2				
Agarose	0	0				

Vapor Pressure at 20°C

Relative vapor density Relative density Solubility(ies)

Not available Not available.

hot water

Media

cold water Easily soluble Easily soluble

Solubility in water Not available.

Miscible with water

Partition coefficient: n-octanol/ water

Not applicable.

Auto-ignition temperature Not available.

> Ingredient name °C Method 851 DIN 51794 ethanol 455

Result

Not available. **Decomposition temperature**



Vapor pressure at 50°C

SADT Not available.

Viscosity Not available.

Flow time (ISO 2431) Not available.

Particle characteristics

Median particle size Not applicable.

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 Under normal conditions of storage and use, hazardous reactions will not occur.

reactions

Conditions to avoid Avoid all possible sources of ignition (spark or flame). Do not pressurize, 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 Under normal conditions of storage and use, hazardous decomposition products should not be

products produced.

Section 11. Toxicological information

Information on toxicological effects

Acute toxicity

Product/ingredient nameResultSpeciesDoseExposureethanolLC50 Inhalation VaporRat124700 mg/m³4 hours

Irritation/Corrosion

Not available.

Sensitization

Not available

Mutagenicity

Not available.

Carcinogenicity

Not available.

Classification

Product/ingredient name OSHA IARC NTF

Nickel - 2B Reasonably anticipated to be a human carcinogen.

Reproductive toxicity

Not available.

Teratogenicity

Not available.

Specific target organ toxicity (single exposure)

Not available.

Specific target organ toxicity (repeated exposure)

Name Category Route of exposure Target organs

Nickel Category 1 - -

Aspiration hazard

Not available.

Information on the likely routes Routes of entry anticipated: Oral, Dermal, Inhalation, Eyes.

of exposure

Potential acute health effects

Eye contactNo known significant effects or critical hazards. **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 contactNo specific data.InhalationNo specific data.

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Skin contact Adverse symptoms may include the following:

> irritation redness

Ingestion No specific data.

Delayed and immediate effects and also chronic effects from short and long term exposure

Short term exposure

Potential immediate effects Not available. Potential delayed effects Not available.

Long term exposure

Potential immediate effects Not available. Not available. Potential delayed effects

Potential chronic health effects

Not available.

General Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.

Carcinogenicity Suspected of causing cancer. Risk of cancer depends on duration and level of exposure.

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

Numerical measures of toxicity

Acute toxicity estimates

Product/ingredient name	Oral (mg/kg)	Dermal (mg/kg)	Inhalation (gases) (ppm)	Inhalation (vapors) (mg/l)	Inhalation (dusts and mists) (mg/ I)
ethanol	7000	N/A	N/A	124.7	N/A
Other information	Adverse symptoms include the following:	kidney abno	rmalities liver abr	normalities	

Adverse symptoms may include the following: central nervous system depression

Section 12. Ecological information

Toxicity

Product/ingredient name	Result	Species	Exposure
ethanol	Acute EC50 3306 mg/l Marine water	Algae - <i>Ulva pertusa</i>	96 hours
	Acute EC50 1074 mg/l Fresh water	Crustaceans - Cypris subglobosa	48 hours
	Acute EC50 9.3 mg/l Fresh water	Daphnia - <i>Daphnia magna</i>	48 hours
	Acute LC50 11000000 µg/l Marine water	Fish - Alburnus alburnus	96 hours
	Chronic NOEC 4.995 mg/l Marine water	Algae - <i>Ulva pertusa</i>	96 hours
	Chronic NOEC 100 ul/L Fresh water	Daphnia - Daphnia magna - Neonate	21 days
Nickel	Acute EC50 2 ppm Marine water	Algae - Macrocystis pyrifera - Young	4 days
	Acute EC50 450 μg/l Fresh water	Aquatic plants - Lemna minor	4 days
	Acute EC50 1000 µg/l Marine water	Daphnia - Daphnia magna	48 hours
	Acute LC50 34.6 μg/l Fresh water	Crustaceans - Ceriodaphnia dubia - Juvenile (Fledgling, Hatchling, Weanling)	48 hours
	Acute LC50 1.3 ppm Fresh water	Fish - <i>Cyprinus carpio</i> - Juvenile	96 hours
		(Fledgling, Hatchling, Weanling)	
	Chronic NOEC 100 mg/l Marine water	Algae - Glenodinium halli	72 hours

Persistence and degradability

Product/ingredient name	Test	Result	Dose	Inoculum
ethanol	-	100 % - Readily - 20 days	-	-
Product/ingredient name	Aquatic half-life	Photolysis		Biodegradability
ethanol	-	-		Readily
Bioaccumulative potential				
Bioaccumulative potential Product/ingredient name	LogPow	BCF		Potential
	LogP _{ow} -0.35	BCF 0.66		Potential Low

Soil/water partition coefficient (K Not available.

No known significant effects or critical hazards. Other adverse effects

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Section 13. Disposal considerations

Disposal methodsThe generation of waste should be avoided or minimized 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. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. 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. Vapor from product residues may create a highly flammable or explosive atmosphere inside the container. Do not cut, weld or grind used containers unless they have been cleaned thoroughly internally. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and

sewers.

Waste stream Code: D001

Classification: Ignitability

Section 14. Transport information

Product is not regulated as dangerous goods for transport.

Section 15. Regulatory information

U.S. Federal regulations TSCA 8(a) CDR Exempt/Partial exemption: Not determined

Clean Water Act (CWA) 307: Nickel

Clean Air Act Section 112(b) Hazardous Air Pollutants Listed

(HAPs)

 Clean Air Act Section 602 Class I Substances
 Not listed

 Clean Air Act Section 602 Class II Substances
 Not listed

 DEA List I Chemicals (Precursor Chemicals)
 Not listed

 DEA List II Chemicals (Essential Chemicals)
 Not listed

SARA 302/304

Composition/information on ingredients

No products were found.

SARA 304 RQ Not applicable.

SARA 311/312

Classification FLAMMABLE LIQUIDS - Category 3

SKIN SENSITIZATION - Category 1 CARCINOGENICITY - Category 2

Composition/information on ingredients

Name % Classification

ethanol 14 - 19 FLAMMABLE LIQUIDS - Category 2 nickel 0.12 SKIN SENSITIZATION - Category 1 CARCINOGENICITY - Category 2

SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) -

Category 1

SARA 313

 Product name
 CAS number
 %

 Form R - Reporting requirements
 Nickel
 7440-02-0
 0.12

 Supplier notification
 Nickel
 7440-02-0
 0.12

SARA 313 notifications must not be detached from the SDS and any copying and redistribution of the SDS shall include copying and redistribution of the notice attached to copies of the SDS subsequently redistributed.

State regulations

Massachusetts The following components are listed: ETHYL ALCOHOL

New York None of the components are listed.

New Jersey The following components are listed: ETHYL ALCOHOL; NICKEL

Pennsylvania The following components are listed: ETHANOL

California Prop. 65

WARNING: This product can expose you to Nickel, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

Ingredient name

No significant risk

Maximum acceptable
level

dosage level

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Nickel

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.

Inventory list

United States Not determined.

Canada inventory All components are listed or exempted.

Section 16. Other information

National Fire Protection Association (U.S.A.)



Procedure used to derive the classification

Classification Justification

FLAMMABLE LIQUIDS - Category 3 SKIN SENSITIZATION - Category 1 CARCINOGENICITY - Category 2

History

Date of printing9/28/2023Date of issue/Date of revision9/28/2023Date of previous issue2/13/2023Version6

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Key to abbreviations

ATE = Acute Toxicity Estimate

BCF = Bioconcentration Factor

GHS = Globally Harmonized System of Classification and Labelling of Chemicals

On basis of test data Calculation method

Calculation method

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)

N/A = Not available UN = United Nations

References Not available.

Indicates information that has changed from previously issued version.

Notice to reader

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Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.