

SAFETY DATA SHEET

Si-Trap Kit

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

1.1. Product identifier

Trade name

Si-Trap Kit

Product no.

Si-Trap Kit

UFI

Not assigned. To be assigned for EU/EEA supply where required.

Nanoform

Not applicable.

Other means of identification

Acidic Extraction Solution; Reduction Solution; Alkylation Solution; Si-Trap reagent kit; Research Use Only (RUO) laboratory kit

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

Relevant identified uses of the substance or mixture

Research Use Only (RUO) laboratory sample-preparation reagent. Restricted to professional users.

Use descriptors (EU REACH / UK REACH)

Sectors of use	Description
SU 24	Scientific research and development
Product category	Description
PC 21	Laboratory Chemicals
Process category	Description
PROC 15	Use as laboratory reagent

EuPCS

PC-TEC-19 / Reagents and laboratory chemicals

Uses advised against

Uses other than professional laboratory research use. Not for diagnostic procedures, clinical use, therapeutic use, drug use, household use, food, cosmetic, consumer use, or administration to humans or animals.

1.3. Details of the supplier of the safety data sheet

Company and address

ProtiFi LLC
71 Perinton Pkwy, Ste. B
Fairport, NY 14450
United States

Telephone

+1 585 678 4045

E-mail

sandra@protifi.com

Revision

15/06/2026

SDS Version

1.0

Date of previous version

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1.4. Emergency telephone number

United States: For life-threatening emergencies, dial 911. For poisoning exposure, call Poison Help at 1-800-222-1222 (24 hour service).

European Union: Dial 112 for emergency services (24 hour service). Contact the national poison centre / appointed body in the Member State where used, where applicable.

United Kingdom: Healthcare professionals: Dial 0344 892 0111 to reach The National Poisons Information Service (NPIS) (24 hour service). General public: Dial NHS 111 for urgent medical advice; dial 999 or 112 for life-threatening emergencies.

Company telephone: +1 585 678 4045 (office hours). See section 4 "First aid measures".

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP] / GB CLP and OSHA Hazard Communication Standard (HCS).

- Flam. Liq. 3; H226, Flammable liquid and vapour.
- Acute Tox. 3; H301, Toxic if swallowed.
- Acute Tox. 3; H311, Toxic in contact with skin.
- Skin Corr. 1; H314, Causes severe skin burns and eye damage.
- Skin Sens. 1; H317, May cause an allergic skin reaction.
- Acute Tox. 3; H331, Toxic if inhaled.
- Repr. 2; H361f, Suspected of damaging fertility.
- STOT SE 2; H371, May cause damage to organs.
- STOT SE 3; H335, May cause respiratory irritation.

Component hazard summary

Kit component	Potential hazard(s)
Kit Solution 1: Acidic Extraction Solution	Flammable liquid and vapour. Strongly acidic solution. Causes severe skin burns and eye damage. Use only in a chemical fume hood. Components are hazardous and proprietary trade secrets.
Kit Solution 2R: Reduction Solution	Contains TCEP (Tris(2-carboxyethyl)phosphine hydrochloride). Hazards based on supplied concentration/form. Avoid skin, eye, inhalation, and ingestion exposure.
Kit Solution 2A: Alkylation Solution	Contains 2-chloroacetamide. Toxic if swallowed; may cause allergic skin reaction; suspected of damaging fertility or the unborn child. Avoid skin, eye, inhalation, and ingestion exposure.
All other kit buffers	May contain proprietary hazardous component(s). May cause damage to organs. May be harmful if swallowed, in contact with skin, or if inhaled. Avoid skin, eye, inhalation, and ingestion exposure. Use with adequate ventilation or in a chemical fume hood.

2.2. Label elements

Hazard pictogram(s)



Signal word

Danger

Hazard statement(s)

- Flammable liquid and vapour. (H226)
- Toxic if swallowed, in contact with skin or if inhaled. (H301+H311+H331)
- Causes severe skin burns and eye damage. (H314)
- May cause an allergic skin reaction. (H317)
- Suspected of damaging fertility. (H361f)
- May cause damage to organs. (H371)
- May cause respiratory irritation. (H335)

Precautionary statement(s)

General

-

Prevention

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not breathe vapour/mist. (P210+P260)

Wear eye protection/protective gloves/protective clothing. (P280)

Response

IF exposed or concerned: Immediately call a POISON CENTER/doctor. (P310+P308+P313)

IF ON SKIN (or hair) or IN EYES: Rinse cautiously with water; remove contaminated clothing and contact lenses if easy to do. (P303+P361+P353+P305+P351+P338)

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. (P301+P330+P331)

Storage

Store locked up. Store in a well-ventilated place. Keep cool. (P403+P235+P405)

Disposal

Dispose of contents/container in accordance with local regulation. (P501)

Hazardous substances

Tris(2-carboxyethyl)phosphine hydrochloride

2-Chloroacetamide

Proprietary hazardous component(s) withheld as trade secret as permitted by applicable law

Additional labelling

EUH070, Toxic by eye contact.

EUH071, Corrosive to the respiratory tract.

2.3. Other hazards

Additional warnings

No additional hazards known beyond those disclosed in this safety data sheet.

This mixture/product does not contain any substances known to fulfil the criteria for PBT and vPvB classification based on available information.

This mixture/product does not contain any substances known to have endocrine-disrupting properties based on available information.

Ingredients of unknown acute toxicity: no data requiring an additional mixture statement.

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable. This product is a kit containing mixtures/reagents.

3.2. Mixtures

Kit component	Product/substance	Identifiers	% w/w	Classification	Hazard pictogram(s)	Note
Kit Solution 1: Acidic Extraction Solution	Proprietary hazardous component(s)	Withheld as trade secret	Withheld	Flam. Liq. 3, H226 Skin Corr. 1, H314 STOT SE 3, H335		Withheld as trade secret as permitted by applicable law
Kit Solution 2R: Reduction Solution	Tris(2-carboxyethyl)phosphine hydrochloride	CAS No.: 51805-45-9 EC No.: 629-759-1 UK-REACH: Index No.:	3-5%	Skin Corr. 1B, H314		
Kit Solution 2A: Alkylation Solution	2-Chloroacetamide	CAS No.: 79-07-2 EC No.: 201-174-2 UK-REACH: Index No.: 616-036-00-0	3-5%	Acute Tox. 3, H301 Skin Sens. 1, H317 Repr. 2, H361F		
All other kit buffers	Proprietary hazardous component(s)	Withheld as trade secret	Withheld	STOT SE 2, H371		Withheld as trade secret as permitted by applicable law

Specific chemical identities and concentrations of proprietary hazardous component(s) are withheld as trade secret as permitted by applicable law. See full text of H-phrases in section 16. Occupational exposure limits are listed in section 8, if these are available.

Other information

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

In the case of accident: Contact a doctor or casualty department - take the label or this safety data sheet. Contact a doctor if in doubt about the injured person's condition or if the symptoms persist. Never give an unconscious person water or other drink.

Inhalation

Bring the person into fresh air and stay with him/her. If breathing is difficult or irritation occurs, get medical advice/attention immediately.

Skin contact

Remove contaminated clothing and shoes immediately. Flush exposed skin with water for a long time - at least 30 minutes. Contact Poison Information/doctor/hospital for further advice on follow-up and treatment.

Eye contact

Flush eyes with plenty of water or salt water (20-30 C) for at least 30 minutes and continue until irritation stops. Remove contact lenses. Seek medical assistance immediately and continue flushing during transport.

Ingestion

Contact a doctor immediately. Rinse mouth. DO NOT try to induce vomiting unless this is recommended by a doctor. If unconscious, roll the injured person into recovery position. Call an ambulance.

Burns

Not applicable.

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

Tissue-damaging effects: This product contains substances with skin corrosive properties. Inhaled vapour or aerosols may produce adverse effects to lungs, irritations and burns in the respiratory organs as well as coughing. Dermal contact and contact with the eye may cause irreversible effects.

Component-specific effects: Acidic Extraction Solution may cause severe skin burns, serious eye damage, and respiratory tract irritation or corrosion. Other kit buffers may cause organ effects and may be harmful if swallowed, in contact with skin, or if inhaled. Alkylation Solution may cause acute toxicity, skin sensitisation, and reproductive toxicity.

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

IF exposed or concerned:

Get immediate medical advice/attention.

Information to medics

Bring this safety data sheet or the label from this product. Specific chemical identity and concentration information may be made available to qualified medical or occupational health personnel where required by applicable law.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media: Carbon dioxide, dry chemical, water mist/spray or foam.

Unsuitable extinguishing media: Direct waterjets should not be used, since they can spread the fire.

5.2. Special hazards arising from the substance or mixture

Fire will result in dense smoke. Exposure to combustion products may harm your health. Closed containers, which are exposed to fire, should be cooled with water. Do not allow fire-extinguishing water to enter the sewage system and nearby surface waters. If the product is exposed to high temperatures, dangerous decomposition compounds may be produced. These include toxic and corrosive vapours and carbon oxides (CO / CO₂).

5.3. Advice for firefighters

Wear self-contained breathing apparatus and protective clothing to prevent contact. Upon direct exposure contact a poison centre or emergency medical service in order to obtain further advice.
Hazchem Code: See transport documentation.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Avoid direct contact with spilled substances. Remove ignition sources. Ventilate area. Contaminated areas may be slippery.

6.2. Environmental precautions

Avoid discharge to lakes, streams, sewers, etc. Keep unauthorized persons away from the spill.

6.3. Methods and material for containment and cleaning up

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. Wherever possible cleaning should be performed with normal cleaning agents. Avoid use of solvents.

6.4. Reference to other sections

See section 13 "Disposal considerations" on handling of waste. See section 8 "Exposure controls/personal protection" for protective measures.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Research Use Only (RUO). Avoid direct contact with the product. Use Acidic Extraction Solution only in a chemical fume hood. Use other kit buffers with adequate ventilation or in a chemical fume hood. Keep away from ignition sources. No eating, drinking or smoking in the work area. See section 8 for personal protection.

7.2. Conditions for safe storage, including any incompatibilities

Containers that have been opened must be carefully resealed and kept upright to prevent leakage.

Recommended storage material

Always store in containers of the same material as the original container.

Storage conditions

Keep container tightly closed. Store cold as indicated on the kit label to maximize shelf life. Store away from heat, sparks and open flame.

Incompatible materials

Strong oxidizing agents. Strong bases. Reactive metals.

7.3. Specific end use(s)

This product should only be used for RUO professional laboratory applications quoted in section 1.2.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No substances are listed in the national list of substances with an occupational exposure limit for the disclosed ingredients.

DNEL

No data available.

PNEC

No data available.

8.2. Exposure controls

Apply general control to prevent unnecessary exposure.

General recommendations

Smoking, drinking and consumption of food is not allowed in the work area.

Exposure scenarios

There are no exposure scenarios implemented for this product.

Exposure limits

Occupational exposure limits have not been defined for the disclosed substances in this product.

Appropriate technical measures

Ensure eyewash stations and safety showers are within easy reach. Use with adequate ventilation or in a chemical fume hood. Avoid inhalation of vapours or mist.

Hygiene measures

Take off contaminated clothing and wash it before reuse.

Measures to avoid environmental exposure

Keep damming materials near the workplace. If possible, collect spillage during work.

Individual protection measures, such as personal protective equipment

Generally


Wash contaminated clothing before reuse.

Use only CE/UKCA/NIOSH/ANSI marked protective equipment, as applicable.


Respiratory Equipment

Type	Class	Colour	Standards	
Use suitable respiratory protective device. For spills, respiratory protection is advisable.				


Skin protection

Recommended	Type/Category	Standards	
Wear appropriate protective clothing to prevent exposure.	Wear appropriate protective clothing to prevent exposure.		

Hand protection

Material	Glove thickness (mm)	Breakthrough time (min.)	Standards	
Handle with inspected intact chemical-resistant gloves. Remove gloves using best laboratory practices for removing gloves to avoid contact with the contaminated outer surface. Dispose of gloves in accordance with applicable laws and standard laboratory practices. Wash hands thoroughly with soap and water after removal.				

Eye protection

Type	Standards	
Safety glasses with side shields or chemical splash goggles.	EN166 / ANSI Z87.1	

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state

Kit containing liquids and solid reagent(s)

Colour

No relevant or available data due to the nature of the product.

Odour / Odour threshold

No relevant or available data due to the nature of the product.

pH

Acidic Extraction Solution: strongly acidic solution; no other relevant or available data due to the nature of the product.

Density (g/cm³)

No relevant or available data due to the nature of the product.

Kinematic viscosity

No relevant or available data due to the nature of the product.

Particle characteristics

No relevant or available data due to the nature of the product.

Phase changes

Melting point/Freezing point (deg C)

No relevant or available data due to the nature of the product.

Softening point/range (deg C)

Does not apply to liquids.

Boiling point (deg C)

No relevant or available data due to the nature of the product.

Vapour pressure

No relevant or available data due to the nature of the product.

Relative vapour density

No relevant or available data due to the nature of the product.

Decomposition temperature (deg C)

No relevant or available data due to the nature of the product.

Data on fire and explosion hazards

Flash point (deg C)

No relevant or available data due to the nature of the product.

Flammability

No relevant or available data due to the nature of the product.

Auto-ignition temperature (deg C)

No relevant or available data due to the nature of the product.

Lower and upper explosion limit (% v/v)

No relevant or available data due to the nature of the product.

Solubility

Solubility in water

No relevant or available data due to the nature of the product.

n-octanol/water coefficient (LogKow)

No relevant or available data due to the nature of the product.

Solubility in fat (g/L)

No relevant or available data due to the nature of the product.

9.2. Other information

Oxidizing properties

No relevant or available data due to the nature of the product.

Other physical and chemical parameters

No data available.

SECTION 10: Stability and reactivity

10.1. Reactivity

No data available.

10.2. Chemical stability

The product is stable under the conditions, noted in section 7 "Handling and storage".

10.3. Possibility of hazardous reactions

None known.

10.4. Conditions to avoid

Heat, flames, sparks.

10.5. Incompatible materials

Strong oxidizing agents. Strong bases. Reactive metals.

10.6. Hazardous decomposition products

Thermal decomposition may produce toxic and corrosive vapours.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008 as retained and amended in UK law

Acute toxicity

Classified for acute toxicity by oral, dermal, and inhalation routes based on component information. No product-level acute toxicity test data available.

Component-specific information

Kit Solution 1: Acidic Extraction Solution: Flammable liquid and vapour. Strongly acidic solution. Causes severe skin burns and eye damage. Use only in a chemical fume hood. Components are hazardous and proprietary trade secrets.

Kit Solution 2R: Reduction Solution: Contains TCEP (Tris(2-carboxyethyl)phosphine hydrochloride). Avoid skin, eye, inhalation, and ingestion exposure.

Kit Solution 2A: Alkylation Solution: Contains 2-chloroacetamide. Toxic if swallowed; may cause allergic skin reaction; suspected of damaging fertility or the unborn child. Avoid skin, eye, inhalation, and ingestion exposure.

All other kit buffers: May contain proprietary hazardous component(s). May cause damage to organs. May be harmful if swallowed, in contact with skin, or if inhaled. Avoid skin, eye, inhalation, and ingestion exposure. Use with adequate ventilation or in a chemical fume hood.

Skin corrosion/irritation

Causes severe skin burns and eye damage.

Serious eye damage/irritation

Causes serious eye damage.

Respiratory sensitisation

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

Skin sensitisation

May cause an allergic skin reaction.

Germ cell mutagenicity

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

Carcinogenicity

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

Reproductive toxicity

Suspected of damaging fertility.

STOT-single exposure

May cause respiratory irritation. May cause damage to organs.

STOT-repeated exposure

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

Aspiration hazard

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

11.2. Information on other hazards

Long term effects

Tissue-damaging effects: This product contains substances with skin corrosive properties. Inhaled vapour or aerosols may produce adverse effects to lungs, irritations and burns in the respiratory organs as well as coughing. Dermal contact and contact with the eye may cause irreversible effects.

Endocrine disrupting properties

This mixture/product does not contain any substances known to have endocrine-disrupting properties in relation to health based on available information.

Other information

None known.

SECTION 12: Ecological information

12.1. Toxicity

No data available.

12.2. Persistence and degradability

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

12.3. Bioaccumulative potential

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

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

This mixture/product does not contain any substances known to fulfil the criteria for PBT and vPvB classification based on available information.

12.6. Endocrine disrupting properties

This mixture/product does not contain any substances considered to have endocrine-disrupting properties in relation to the environment based on available information.

12.7. Other adverse effects

None known.

SECTION 13: Disposal considerations

Waste treatment methods

Product is covered by the regulations on hazardous waste.

Hazardous waste properties may include HP 3 - Flammable, HP 6 - Acute toxicity, HP 8 - Corrosive, HP 10 - Toxic for reproduction, and HP 13 - Sensitising.

Dispose of contents/container to an approved waste disposal plant.

Regulation (EU) No 1357/2014 of 18 December 2014 on waste as retained and amended in UK law.

EWC code

Not applicable.

Specific labelling

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Contaminated packing

Packaging containing residues of the product must be disposed of similarly to the product.

SECTION 14: Transport information

	14.1 UN / ID	14.2 UN proper shipping name	14.3 Hazard class(es)	14.4 PG*	14.5 Env**	Other information:
ADR/RID	UN2924	FLAMMABLE LIQUID, CORROSIVE, N.O.S.	Transport hazard class: 3 Subsidiary hazard: 8 Label: 3 + 8	II	No	LQ: 1 L Tunnel: (D/E) See below.
DOT	UN2924	FLAMMABLE LIQUID, CORROSIVE, N.O.S.	Transport hazard class: 3 Subsidiary hazard: 8 Label: 3 + 8	II	No	See below.
IMDG	UN2924	FLAMMABLE LIQUID, CORROSIVE, N.O.S.	Transport hazard class: 3 Subsidiary hazard: 8 Label: 3 + 8	II	No	LQ: 1 L EmS: F-E S-C See below.
IATA	UN2924	FLAMMABLE LIQUID, CORROSIVE, N.O.S.	Transport hazard class: 3 Subsidiary hazard: 8 Label: 3 + 8	II	No	See below.

* Packing group

** Environmental hazards

Additional information

This product may be within scope of the regulations for transport of dangerous goods. Final shipping classification must be confirmed against the exact packaging and current modal requirements before shipment. If a generic or N.O.S. shipping name requiring technical name(s) is used, regulated transport documentation must include any required technical name(s) under appropriate confidentiality controls.

ADR / See Table A, section 3.2.1 for any information on special provisions, requirements, or warnings in connection with transport. See section 5.4.3, for instructions in writing regarding mitigation of damages in relation to incidents or accidents during transport.

IMDG / See section 3.2.1, for any information on special provisions, requirements, or warnings in connection with transport.

IATA / See Table 4.2 for any information on special provisions, requirements, or warnings in connection with transport.

DOT / See 49 CFR hazardous materials regulations for shipping paper, marking, labelling, packaging, and emergency-response telephone requirements.

Hazchem Code: See transport documentation.

14.6. Special precautions for user

Not applicable beyond the information in sections 6-8.

14.7. Maritime transport in bulk according to IMO instruments

No data available.

SECTION 15: Regulatory information

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

Restrictions for application

Research Use Only (RUO). Restricted to professional laboratory research users. Not for diagnostic procedures, clinical use, therapeutic use, drug use, household use, food, cosmetic, consumer use, or administration to humans or animals. People under the age of 18 shall not be exposed to this product.

United States

OSHA Hazard Communication Standard, 29 CFR 1910.1200. Section 1 contains the responsible party U.S. address, U.S. telephone number, and emergency telephone information. Trade secret information is withheld where applicable under OSHA HCS trade secret provisions.

European Union / European Economic Area

Regulation (EC) No 1907/2006 (REACH), Annex II, as amended by Regulation (EU) 2020/878. Regulation (EC) No 1272/2008 (CLP), as amended. Before placing this product on an EU/EEA market, complete country-specific language requirements, UFI/poison centre notification requirements where applicable, and any applicable CLP Article 24 alternative chemical name process.

United Kingdom

UK REACH and GB CLP, as retained and amended in UK law. Before placing this product on the GB market, complete UK-specific SDS/labelling obligations, poison information arrangements where applicable, and any applicable GB alternative chemical name process. Northern Ireland may require EU CLP/REACH treatment.

Demands for specific education

No specific requirements beyond professional laboratory training and site-specific risk assessment.

Control of Major Accident Hazards (COMAH) - Categories / dangerous substances

Not applicable based on intended RUO kit use and package size.

Additional information

This SDS is not a product specification.

Sources

29 CFR 1910.1200, OSHA Hazard Communication Standard, including Appendix D Safety Data Sheets.
Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), Annex II, as amended by Regulation (EU) 2020/878.
Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures (CLP), as amended.
UK REACH and GB CLP, as retained and amended in UK law.
Regulation (EU) No 1357/2014 of 18 December 2014 on waste as retained and amended in UK law.
The Management of Health and Safety at Work Regulations 1999.

15.2. Chemical safety assessment

No.

SECTION 16: Other information

Full text of H-phrases as mentioned in section 3

H226, Flammable liquid and vapour.
H301, Toxic if swallowed.
H311, Toxic in contact with skin.
H314, Causes severe skin burns and eye damage.
H317, May cause an allergic skin reaction.
H331, Toxic if inhaled.
H335, May cause respiratory irritation.
H361f, Suspected of damaging fertility.
H371, May cause damage to organs.

The full text of identified uses as mentioned in section 1

SU 24 = Scientific research and development
PROC 15 = Use as laboratory reagent
PC 21 = Laboratory Chemicals
RUO = Research Use Only

Abbreviations and acronyms

ADN = European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway
ANSI = American National Standards Institute
CAS = Chemical Abstracts Service
COMAH = Control of Major Accident Hazards
DOT = Department of Transportation
ECHA = European Chemicals Agency
EmS = Emergency Schedule
EuPCS = European Product Categorisation System
GB = Great Britain
HCS = Hazard Communication Standard
IMDG = International Maritime Dangerous Goods
LogKow = logarithm of the octanol/water partition coefficient
N.O.S. = Not otherwise specified
OSHA = Occupational Safety and Health Administration
PCN = Poison Centre Notification
REACH = Registration, Evaluation, Authorisation and Restriction of Chemicals
RUO = Research Use Only
STOT-RE = Specific Target Organ Toxicity - Repeated Exposure
TCEP = Tris(2-carboxyethyl)phosphine hydrochloride
UK = United Kingdom
vPvB = Very Persistent and Very Bioaccumulative

ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE = Acute Toxicity Estimate
CLP = Classification, Labelling and Packaging Regulation
DNEL = Derived No Effect Level
EC = European Community
EEA = European Economic Area
EUH statement = CLP-specific hazard statement
EWC = European Waste Catalogue
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
IATA = International Air Transport Association
IMO = International Maritime Organization
NIOSH = National Institute for Occupational Safety and Health
NPIS = National Poisons Information Service
PBT = Persistent, Bioaccumulative and Toxic
PNEC = Predicted No Effect Concentration
RID = Regulations concerning the International Carriage of Dangerous Goods by Rail
SDS = Safety Data Sheet
STOT-SE = Specific Target Organ Toxicity - Single Exposure
UFI = Unique Formula Identifier
UN = United Nations

Additional information

The classification of the substance/mixture in regard of health hazards is based on calculation methods and available information. The information in this safety data sheet applies only to this specific product and is not necessarily correct for use with other chemicals/products. It is recommended to hand over this safety data sheet to the actual user of the product. Information in this safety data sheet cannot be used as a product specification.

Trade secret and emergency disclosure

Specific chemical identity and/or exact concentration information for proprietary hazardous component(s) is withheld as trade secret as permitted by applicable law. Hazard information, first aid, exposure controls, handling, storage, disposal and emergency-response information are provided in this safety data sheet. Specific chemical identity and/or concentration information may be made available to qualified medical or occupational health personnel where required by applicable law and subject to applicable confidentiality protections, except where immediate disclosure is required for emergency treatment.

The safety data sheet is validated by

ProtiFi LLC

Other

Country-language: GB/EU/US-en