# **SAFETY DATA SHEET**



**REDUCING REAGENT** 

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

1.1 Product identifier	
Product name	: REDUCING REAGENT
Product type	: Liquid.
Other means of identification	: Not available.
Product part number	: 4326685
Kit name	<ul> <li>RAQ Reagent Methods Development Kit (Amine-Modifying Labeled Reagent for Protein and Peptide Quantitation) ITRAQ REAGENTS MULTIPLEX KIT (Amine-Modifying Labeled Reagent for Protein and Peptide Quantitation) iTRAQ Reagent 4plex Application Kit - Protein iTRAQ Reagent 8 Plex One Assay Kit iTRAQ Reagent 8 Plex Buffer Kit</li> </ul>
Kit part number	: 🗚 352134, 4352135, 4374321, 4381662, 4381664

	Product use	: Research and Development
	Area of application	: Professional applications.
	Uses advised against	
	None identified.	

#### 1.3 Details of the supplier of the safety data sheet

AB Sciex UK Limited 21F18, 21 Mereside, Alderley Park		
Macclesfield, Cheshire		
SK10 4TG		
United Kingdom		
Telephone no.: 00800 2255 2279		
e-mail address of person responsible for this SDS	: msds.inquiry@sciex.com	

#### **1.4 Emergency telephone number**

National advisory body/Poison Centre		
Telephone number	: CHEMTREC: +44 20 3807 3798	
<u>Supplier</u>		
Telephone number	: 1-877-740-2129 (8:30A PT - 5:00P PT)	

### **SECTION 2: Hazards identification**

#### 2.1 Classification of the substance or mixture

Product definition : Mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

Skin Corr. 1B, H314 Eye Dam. 1, H318

The product is classified as hazardous according to Regulation (EC) 1272/2008 as amended.

Ingredients of unknown toxicity

: 20 percent of the mixture consists of component(s) of unknown acute oral toxicity 20 percent of the mixture consists of component(s) of unknown acute dermal toxicity 20 percent of the mixture consists of component(s) of unknown acute inhalation toxicity

# Ingredients of unknown ecotoxicity

: Contains 20% of components with unknown hazards to the aquatic environment

See Section 16 for the full text of the H statements declared above.

See Section 11 for more detailed information on health effects and symptoms.

### 2.2 Label elements

Hazard pictograms



Signal word	: Danger
Hazard statements	: ┣͡314 - Causes severe skin burns and eye damage.
Precautionary statements	
Prevention	: <b>P</b> 280 - Wear protective gloves, protective clothing and eye or face protection.
Response	<ul> <li>         F304 + P310 - IF INHALED: Immediately call a POISON CENTER or doctor. P301 + P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor. P303 + P361 + P353, P310 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. Immediately call a POISON CENTER or doctor.     </li> </ul>
Storage	: Not applicable.
Disposal	: <b>P</b> 501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.
Hazardous ingredients	: 🗗 ropanoic acid, 3,3',3"-phosphinylidynetris-, hydrochloride (1:1)
Supplemental label elements	: Not applicable.
Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles	: Not applicable.
Special packaging requirem	ents
Containers to be fitted with child-resistant fastenings	: Not applicable.
Tactile warning of danger	: Not applicable.

# SECTION 2: Hazards identification

#### 2.3 Other hazards

Product meets the criteria for PBT or vPvB according to Regulation (EC) No. 1907/2006, Annex XIII	:
Other bazards which do	

ther hazards which do not result in classification None known.

### **SECTION 3: Composition/information on ingredients**

3.2 Mixtures : N	lixture			
Product/ingredient name	Identifiers	%	Regulation (EC) No. 1272/2008 [CLP]	Туре
Propanoic acid, 3,3',3"- phosphinylidynetris-, hydrochloride (1:1)	CAS: 51805-45-9	≥10 - ≤25	Skin Corr. 1B, H314 Eye Dam. 1, H318 See Section 16 for the full text of the H statements declared above.	[1]

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment, are PBTs, vPvBs or Substances of equivalent concern, or have been assigned a workplace exposure limit and hence require reporting in this section.

#### Type

Substance classified with a health or environmental hazard

[2] Substance with a workplace exposure limit

[3] Substance meets the criteria for PBT according to Regulation (EC) No. 1907/2006, Annex XIII

[4] Substance meets the criteria for vPvB according to Regulation (EC) No. 1907/2006, Annex XIII

[5] Substance of equivalent concern

[6] Additional disclosure due to company policy

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

### SECTION 4: First aid measures

#### 4.1 Description of first aid measures

Eye contact	: Cet medical attention immediately. Call a poison center or physician. 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. Chemical burns must be treated promptly by a physician.
Inhalation	: Set medical attention immediately. Call a poison center or physician. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. 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	: Cet medical attention immediately. Call a poison center or physician. Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Chemical burns must be treated promptly by a physician. Wash clothing before reuse. Clean shoes thoroughly before reuse.

# **SECTION 4: First aid measures**

Ingestion	: Set medical attention immediately. Call a poison center or physician. 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. Chemical burns must be treated promptly by a physician. 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.
Protection of first-aiders	: No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

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

#### Over-exposure signs/symptoms

Eye contact	<ul> <li>Adverse symptoms may include the following: pain watering redness</li> </ul>
Inhalation	: No specific data.
Skin contact	: Adverse symptoms may include the following: pain or irritation redness blistering may occur
Ingestion	: Adverse symptoms may include the following: stomach pains

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

Notes to physician	<ul> <li>Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.</li> </ul>
Specific treatments	: No specific treatment.

# **SECTION 5: Firefighting measures**

5.1 Extinguishing media	
Suitable extinguishing media	: Use an extinguishing agent suitable for the surrounding fire.
Unsuitable extinguishing media	: 🗭 not use water jet.
5.2 Special hazards arising f	irom the substance or mixture

Hazards from the	: In a fire or if heated, a pressure increase will occur and the container may burst.
substance or mixture	

# **SECTION 5: Firefighting measures**

Hazardous thermal decomposition products	Decomposition products may include the following materials: carbon dioxide carbon monoxide phosphorus oxides halogenated compounds nitrogen oxides hydrogen chloride	
5.3 Advice for firefighters		
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.	
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. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.	

# SECTION 6: Accidental release measures

6.1 Personal precautions, prot	ective equipment and emergency procedures
For non-emergency personnel	: No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Do not breathe vapour or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
For emergency responders	: If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
6.2 Environmental precautions	: Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
6.3 Methods and material for c	ontainment and cleaning up
Small spill	: Stop leak if without risk. Move containers from spill area. 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. Approach the release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations. Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spill product.
6.4 Reference to other sections	: See Section 1 for emergency contact information. See Section 8 for information on appropriate personal protective equipment. See Section 13 for additional waste treatment information.

### **SECTION 7: Handling and storage**

#### 7.1 Precautions for safe handling

Protective measures	: Put on appropriate personal protective equipment (see Section 8). Do not get in eyes or on skin or clothing. Do not breathe vapour or mist. Do not ingest. If during normal use the material presents a respiratory hazard, use only with adequate ventilation or wear appropriate respirator. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.
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.

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

Store in accordance with local regulations. 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. 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 unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

#### 7.3 Specific end use(s)

Recommendations	: Not available.
Industrial sector specific solutions	: Not available.

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

#### 8.1 Control parameters

#### **Occupational exposure limits**

No exposure limit value known.

# Recommended monitoring procedures

If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to monitoring standards, such as the following: European Standard EN 689 (Workplace atmospheres - Guidance for the assessment of exposure by inhalation to chemical agents for comparison with limit values and measurement strategy) European Standard EN 14042 (Workplace atmospheres - Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents) European Standard EN 482 (Workplace atmospheres - General requirements for the performance of procedures for the measurement of chemical agents) Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

#### **DNELs/DMELs**

No DNELs/DMELs available.

#### **PNECs**

No PNECs available

#### 8.2 Exposure controls

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

Appropriate engineering controls	: Very series operations generate dust, fumes, gas, vapour or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.					
Individual protection measures						
Hygiene measures	: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.					
Eye/face protection	: Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles and/or face shield. If inhalation hazards exist, a full-face respirator may be required instead.					
Skin protection						
Hand protection	: Chemical-resistant, impervious gloves complying with an approved standard should be worn at all 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.					
Body protection	<ul> <li>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.</li> </ul>					
Other skin protection	<ul> <li>Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.</li> </ul>					
Respiratory protection	: Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.					
Environmental exposure controls	: Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.					

# **SECTION 9: Physical and chemical properties**

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

Date of issue/Date of revision	: 13/02/2022 Date of previous issue : No previous validation
Evaporation rate	: Not available.
Flash point	: Not available.
Initial boiling point and boiling range	: Not available.
Melting point/freezing point	: Not available.
рН	: 5
Odour threshold	: Not available.
Odour	: Not available.
Colour	: 🕅ear.
Physical state	: Liquid.
Appearance	

Version : 2 7/13

# **SECTION 9: Physical and chemical properties**

Flammability (solid, gas)	:	Not applicable.
Upper/lower flammability or explosive limits	:	Not available.
Vapour pressure	:	Not available.
Vapour density	:	Not available.
Relative density	:	Not available.
Solubility(ies)	:	Not available.
Partition coefficient: n-octanol/ water	:	Not applicable.
Auto-ignition temperature	:	Not available.
Decomposition temperature	:	Not available.
Viscosity	:	Not available.
Explosive properties	:	Not available.
Oxidising properties	:	Not available.

9.2	Other	information	

Physical/chemical properties	: No additional information.
comments	

# **SECTION 10: Stability and reactivity**

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10.1 Reactivity	:	No specific test data related to reactivity available for this product or its ingredients.
10.2 Chemical stability	:	The product is stable.
10.3 Possibility of hazardous reactions	:	Under normal conditions of storage and use, hazardous reactions will not occur. Under normal conditions of storage and use, hazardous polymerisation will not occur.
10.4 Conditions to avoid	:	Keep away from heat, flame, sparks and other ignition sources.
10.5 Incompatible materials	:	Reactive or incompatible with the following materials: oxidising materials, reducing materials, metals, acids and alkalis.
10.6 Hazardous decomposition products	:	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

# **SECTION 11: Toxicological information**

11.1 Information on toxicolog	gical effects				
Acute toxicity					
<b>Conclusion/Summary</b>	: Not available	e.			
Acute toxicity estimates					
N/A					
Irritation/Corrosion					
<b>Conclusion/Summary</b>	: Not available	e.			
Date of issue/Date of revision	: 13/02/2022	Date of previous issue	: No previous validation	Version : 2	8/13

# **SECTION 11: Toxicological information**

	5
Sensitisation	
<b>Conclusion/Summary</b>	: Not available.
<b>Mutagenicity</b>	
<b>Conclusion/Summary</b>	: Not available.
<b>Carcinogenicity</b>	
<b>Conclusion/Summary</b>	: Not available.
Reproductive toxicity	
<b>Conclusion/Summary</b>	: Not available.
Teratogenicity	
<b>Conclusion/Summary</b>	: Not available.
Specific target organ toxicit	<u>y (single exposure)</u>
Not available.	
Specific target organ toxicit	<u>y (repeated exposure)</u>
Not available.	
Aspiration hazard	
Not available.	
Information on likely routed	- Doutoo of ontry anticipated, Oral Dormal Inholation
of exposure	: Routes of entry anticipated: Oral, Dermal, Inhalation.
Potential acute health effects	
Eye contact	: Causes serious eye damage.
Inhalation	No known significant effects or critical hazards.
Skin contact	: Causes severe burns.
Ingestion	: No known significant effects or critical hazards.
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Symptoms related to the phy	sical, chemical and toxicological characteristics
Eye contact	: Adverse symptoms may include the following:
	pain watering
	watering redness
Inhalation	No specific data.
Skin contact	: Adverse symptoms may include the following:
	pain or irritation
	redness
Induction	<ul><li>blistering may occur</li><li>Adverse symptoms may include the following:</li></ul>
Ingestion	stomach pains
	F
Delayed and immediate effec	ts as well as chronic effects from short and long-term exposure
Short term exposure	
Potential immediate effects	: Not available.
Potential delayed effects	: Not available.
Long term exposure	

Date of issue/Date of revision

Potential immediate effects	: Not available.		
Potential delayed effects	: Not available.		
Potential chronic health eff	<u>ects</u>		
General	: No known significant effects or critical hazards.		
Carcinogenicity	: No known significant effects or critical hazards.		
Mutagenicity	: No known significant effects or critical hazards.		
Reproductive toxicity	: No known significant effects or critical hazards.		
Other information	: Not available.		
SECTION 12: Ecolog	jical information		
12.1 Toxicity			
Conclusion/Summary	: Not available.		
12.2 Persistence and degrad	ability		
Conclusion/Summary	: Not available.		
12.3 Bioaccumulative potent	ial		
Not available.			
12.4 Mobility in soil			
Soil/water partition coefficient (Koc)	: Not available.		
	: Not available.		

This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

12.6 Other adverse effects	: No known significant effects or critical hazards.
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# **SECTION 13: Disposal considerations**

13.1 Waste treatment metho	ods
Product	
Methods of disposal	: The generation of waste should be avoided or minimised 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.
Hazardous waste	: The classification of the product may meet the criteria for a hazardous waste.
Packaging	
Methods of disposal	: The generation of waste should be avoided or minimised wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.
Date of issue/Date of revision	: 13/02/2022 Date of previous issue : No previous validation Version : 2 10/13

### Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II, as amended by UK REACH Regulation SI 2019/758

REDUCING REAGENT

### **SECTION 13: Disposal considerations**

- **Special precautions**
- : 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. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

### **SECTION 14: Transport information**

	ADR/RID	ADN	IMDG	ΙΑΤΑ
14.1 UN number	<mark>₩</mark> N3265	<mark>₩</mark> N3265	<mark>₩</mark> N3265	<mark>₩</mark> N3265
14.2 UN proper shipping name	CORROSIVE LIQUID, ACIDIC, ORGANIC, N. O.S. (Propanoic acid, 3,3',3''- phosphinylidynetris-, hydrochloride (1:1))	CORROSIVE LIQUID, ACIDIC, ORGANIC, N. O.S. (Propanoic acid, 3,3',3"- phosphinylidynetris-, hydrochloride (1:1))	CORROSIVE LIQUID, ACIDIC, ORGANIC, N. O.S. (Propanoic acid, 3,3',3"- phosphinylidynetris-, hydrochloride (1:1))	Corrosive liquid, acidic, organic, n.o.s. (Propanoic acid, 3,3', 3"-phosphinylidynetris- , hydrochloride (1:1))
14.3 Transport hazard class(es)				
14.4 Packing group	W	M	W	W
14.5 Environmental hazards	No.	No.	No.	No.

Additional Information		
ADR/RID	:	Fazard identification number 80 Limited quantity 5 L Special provisions 274 Tunnel code (E)
ADN	1	Special provisions 274
IMDG	:	Emergency schedules F-A, S-B Special provisions 223, 274
ΙΑΤΑ	:	Quantity limitation Passenger and Cargo Aircraft: 5 L. Packaging instructions: 852. Cargo Aircraft Only: 60 L. Packaging instructions: 856. Limited Quantities - Passenger Aircraft: 1 L. Packaging instructions: Y841. Special provisions A3, A803
14.6 Special precautions for user	:	<b>Fransport within user's premises:</b> always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.
14.7 Transport in bulk according to IMO instruments	:	Not available.

### **SECTION 15: Regulatory information**

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture <u>EU Regulation (EC) No. 1907/2006 (REACH)</u>

#### Annex XIV - List of substances subject to authorisation

#### Annex XIV

None of the components are listed.

Substances of very high concern

None of the components are listed.

Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles

Substances requiring : Not applicable. labelling

#### Other EU regulations

Europe inventory : Not determined. <u>Ozone depleting substances (1005/2009/EU)</u> Not listed.

#### Prior Informed Consent (PIC) (649/2012/EU)

Not listed.

#### **Seveso Directive**

This product is not controlled under the Seveso Directive.

#### 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.

15.2 Chemical safety	: This product contains substances for which Chemical Safety Assessments are s	still
assessment	required.	

- 15.3 Registration status
- : Mixture. Information concerning the substance : Contact local supplier or distributor.

### **SECTION 16: Other information**

Indicates information that has changed from previously issued version.

Abbreviations and acronyms	: ATE = Acute Toxicity Estimate CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008] DMEL = Derived Minimal Effect Level DNEL = Derived No Effect Level EUH statement = CLP-specific Hazard statement N/A = Not available PBT = Persistent, Bioaccumulative and Toxic PNEC = Predicted No Effect Concentration RRN = REACH Registration Number vPvB = Very Persistent and Very Bioaccumulative
Key literature references and sources for data	: Regulation (EC) No. 1272/2008 [CLP]; European Agreement concerning the International Carriage of Dangerous Goods by Road (ADR), concluded in Geneva on 30 September 1957 plus amendments (Uniform text: Journal of Laws 27/2009 pos. 162 plus amendments); European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways (ADN); Occupational exposure limits; International regulations

#### Procedure used to derive the classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

Classification	Justification
Skin Corr. 1B, H314	Calculation method
Eye Dam. 1, H318	Calculation method

#### Full text of abbreviated H statements

run text of abbreviated if statements			
<mark>₩</mark> 314 H318		Causes severe skin burns and eye damage. Causes serious eye damage.	
Full text of classifications [CLP/GHS]			
<mark>E</mark> ye Dam. 1 Skin Corr. 1B		SERIOUS EYE DAMAGE/EYE IRRITATION - Category 1 SKIN CORROSION/IRRITATION - Category 1B	
Training advice	: Ensure operative	: Ensure operatives are trained to minimise exposures. Training staff on good practice.	
Date of issue/ Date of revision	: 13/02/2022	: 13/02/2022	
Date of previous issue	: No previous valio	: No previous validation	
Version	: 2		

#### Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

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.