SAFETY DATA SHEET

(in accordance with The Hazard Communication Standard (HCS) (29 CFR 1910.1200))

Metalon® HPS-108AE1 Silver ink

Section 1: Identification.

Product identifier used on the label and Other means of identification.

Product Name: Metalon® HPS-108AE1 Silver ink

Recommended use of the chemical and restrictions on use.
Not available.

Name, address, and telephone number of the chemical manufacturer, importer, or other responsible party.

Company: **NovaCentrix**
Address: 400 Parker Dr, Suite 1110
City: 78728 - Austin
Province: TX
Telephone: 512-491-9500
Fax: 512-491-0002
E-mail: msds@novacentrix.com
Web: https://novacentrix.com/

Emergency phone number: ChemTel Inc 888-255-3924
Available 24/7

Section 2: Hazard(s) Identification.

Classification of the chemical in accordance with paragraph (d) of §1910.1200
In accordance with The Hazard Communication Standard (HCS) (29 CFR 1910.1200):
Chronic effect to the aquatic environment, Category 1 : Very toxic to aquatic life with long lasting effects.
Reproductive toxicant, Category 1B : May damage fertility or the unborn child.

Signal word, hazard statement(s), symbol(s) and precautionary statement(s) in accordance with paragraph (f) of §1910.1200.

Symbol(s):



Signal Word:
Danger
Hazard statement(s):

H360	May damage fertility or the unborn child.
H410	Very toxic to aquatic life with long lasting effects.

Precautionary statement(s):

P202	Do not handle until all safety precautions have been read and understood.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P308+P313	IF exposed or concerned: Get medical advice/attention.
P391	Collect spillage.
P405	Store locked up.
P501	Dispose of contents/container to ...

-Continued on next page.-

Contains:
proprietary

Other hazards.
In normal use conditions and in its original form, the product itself does not involve any other risk for health and the environment.

Section 3: Composition/Information on Ingredients.

Substances.
Not applicable.

Mixtures.
Chemical name and concentration ranges of all ingredients that are classified as health hazards in accordance with paragraph (d) of §1910.1200 and that are present above their cut-off/concentration limits or ingredients that are below their cut-off/concentration limits and present a health risk:

Identifiers	Name	Concentration	(*)Classification	
			Classification	specific concentration limit
Index No: 047-004-00-9 CAS No: 7440-22-4 EC No: 231-131-3	[1] silver	25 - 75 %	Aquatic Chronic 1, H410	-
Index No: 603-140-00-6 CAS No: 111-46-6 EC No: 203-872-2	2,2' -oxybisethanol,diethylene glycol	1 - 10 %	Eye Irrit. 2A, H319	-
	[1] proprietary	0.1 - 1 %	Eye Irrit. 2A, H319 - Repr. 1B, H360 - STOT SE 3, H335 - Skin Irrit. 2, H315	STOT SE 3, H335: C ≥ 10 %

[1] Substance with a national workplace exposure limit (see section 8.1).
(*)The complete text of the Hazard statement(s) is given in section 16 of this Safety Data Sheet.
** Minimum classification.*
*** Route of exposure cannot be excluded.*
**** Hazard statements for reproductive toxicity, the general hazard statement can be replaced by the hazard statement indicating only the property of concern.*
***** Correct classification for physical hazards could not be established.*

Section 4: First-Aid Measures.

Description of first aid measures.
Delayed effects may occur after the exposure to the product.

Inhalation.
Take the victim into open air; keep them warm and calm. If breathing is irregular or stops, perform artificial respiration.

Eye contact.
Remove contact lenses, if present and if it is easy to do. Wash eyes with plenty of clean and cool water for at least 10 minutes while pulling eyelids up, and seek medical assistance.

Skin contact.
Remove contaminated clothing. Wash skin vigorously with water and soap or a suitable skin cleaner. NEVER use solvents or thinners.

-Continued on next page.-

Ingestion.
If accidentally ingested, seek immediate medical attention. Keep calm. NEVER induce vomiting.

Most important symptoms and effects, both acute and delayed.
Long-term chronic exposure may result in injury to certain organs or tissues.

Indication of any immediate medical attention and special treatment needed.
In case of doubt or when symptoms of feeling unwell persist, get medical attention. Never administer anything orally to persons who are unconscious. Keep the person comfortable. Turn him/her over to the left side and stay there while waiting for medical care.

Section 5: Fire-Fighting Measures.

The product is NOT classified as flammable, in case of fire the following measures should be taken:

Extinguishing media.
Suitable extinguishing media:
Extinguisher powder or CO2. In case of more serious fires, also alcohol-resistant foam and water spray.

Unsuitable extinguishing media:
Do not use a direct stream of water to extinguish. In the presence of electrical voltage, you cannot use water or foam as extinguishing media.

Special hazards arising from the mixture.
Special risks.
Fire can cause thick, black smoke. As a result of thermal decomposition, dangerous products can form: carbon monoxide, carbon dioxide. Exposure to combustion or decomposition products can be harmful to your health.

Advice for firefighters.
Use water to cool tanks, cisterns, or containers close to the heat source or fire. Take wind direction into account. Prevent the products used to fight the fire from going into drains, sewers, or waterways. Product residues and extinguishing media may contaminate the aquatic environment.

Fire protection equipment.
According to the size of the fire, it may be necessary to use protective suits against the heat, individual breathing equipment, gloves, protective goggles or facemasks, and boots.

Section 6: Accidental Release Measures.

Personal precautions, protective equipment, and emergency procedures.
For exposure control and individual protection measures, see section 8.

Environmental precautions: Product dangerous for the environment, in case of large spills or if the product contaminates lakes, rivers, or sewers, inform the responsible authorities according to local legislation. Prevent the contamination of drains, surface or subterranean waters, and the ground.

Methods and materials for containment and cleaning up.
Contain and collect spillage with inert absorbent material (earth, sand, vermiculite, Kieselguhr...) and clean the area immediately with a suitable decontaminant.
Deposit waste in closed and suitable containers for disposal, in compliance with local and national regulations (see section 13).

Reference to other sections: for exposure control and individual protection measures, see section 8, for later elimination of waste, follow the recommendations under section 13.

-Continued on next page.-

Section 7: Handling and Storage.

Precautions for safe handling.
For personal protection, see section 8.
In the application area, smoking, eating, and drinking must be prohibited.
Follow legislation on occupational health and safety.
Never use pressure to empty the containers. They are not pressure-resistant containers. Keep the product in containers made of a material identical to the original.

Conditions for safe storage, including any incompatibilities.
Store according to local legislation. Observe indications on the label. Store the containers between 5 and 25 º C, in a dry and well-ventilated place, far from sources of heat and direct solar light. Keep far away from ignition points. Keep away from oxidising agents and from highly acidic or alkaline materials. Do not smoke. Prevent the entry of non-authorised persons. Once the containers are open, they must be carefully closed and placed vertically to prevent spills.

Section 8: Exposure Controls/Personal Protection.

8.1 Control parameters.

Work exposure limit for:

Name	CAS No.	Country	Limit value	ppm	mg/m³
silver	7440-22-4	United States	**Eight hours**		0.1 (Dust) (Fume)
			Short term		
		United States [1] (Cal/OSHA)	**Eight hours**		0.01
			Short term		
		United States [2] (NIOSH)	**Eight hours**		0.01
			Short term		
		United States [3] (OSHA)	**Eight hours**		0.01
			Short term		
proprietary	872-50-4	United States [3] (OSHA)	**Eight hours**	1 (Skin)	4 (Skin)
			Short term		

[1] California Division of Occupational Safety and Health (Cal/OSHA) Permissible Exposure Limits (PELs).
[2] National Institute for Occupational Safety and Health. NIOSH Recommendations for occupational safety and health, Compendium of Policy Documents and Statements, January, 1992, DHHS (NIOSH) Publication No. 92-100.
[3] Occupational Safety and Health Administration, United States Department of Labor. Permissible Exposure limits (PELs), California Division of Occupational Safety and Health (Cal/OSHA) Permissible Exposure Limits (PELs).
The product does NOT contain substances with Biological Limit Values.
Concentration levels DNEL/DMEL:

Name	DNEL/DMEL	Type	Value
2,2' -oxybisethanol,diethylene glycol CAS No: 111-46-6 EC No: 203-872-2	DNEL (Workers)	Inhalation, Chronic, Local effects	60 (mg/m³)
proprietary CAS No: 872-50-4 EC No: 212-828-1	DNEL (Workers)	Inhalation, Chronic, Systemic effects	40 (mg/m³)
	DNEL (Consumers)	Inhalation, Chronic, Systemic effects	12,5 (mg/m³)
	DNEL (Workers)	Inhalation, Short term, Systemic effects	80 (mg/m³)
	DNEL (Consumers)	Inhalation, Short term, Systemic effects	80 (mg/m³)
	DNEL (Workers)	Dermal, Chronic, Systemic effects	19.8 (mg/kg bw/day)

-Continued on next page.-

	DNEL (Consumers)	Dermal, Chronic, Systemic effects	11.9 (mg/kg bw/day)
	DNEL (Workers)	Dermal, Short term, Systemic effects	208 (mg/kg bw/day)
	DNEL (Consumers)	Dermal, Short term, Systemic effects	125 (mg/kg bw/day)
	DNEL (Consumers)	Oral, Chronic, Systemic effects	6.3 (mg/kg bw/day)
	DNEL (Consumers)	Oral, Short term, Systemic effects	26 (mg/kg bw/day)

DNEL: Derived No Effect Level, level of exposure to the substance below which adverse effects are not anticipated.
DMEL: Derived Minimal Effect Level, exposure level corresponding to a low risk, that risk should be considered a tolerable minimum.
Concentration levels PNEC:

Name	Details	Value
proprietary CAS No: 872-50-4 EC No: 212-828-1	aqua (freshwater)	0.25 (mg/L)
	aqua (marine water)	0.025 (mg/L)
	aqua (intermittent releases)	5 (mg/L)
	STP	10 (mg/L)
	sediment (freshwater)	1.42 (mg/kg sediment dw)
	sediment (marine water)	0.142 (mg/kg sediment dw)
	soil	0.138 (mg/kg soil dw)
	oral (Hazard for predators)	0.00167 (g/kg food)

PNEC: Predicted No Effect Concentration, concentration of the substance below which adverse effects are not expected in the environmental compartment.

Exposure controls.
Measures of a technical nature:
Provide adequate ventilation, which can be achieved by using good local exhaust-ventilation and a good general exhaust system.

Concentration:	**100 %**
Uses:	
Breathing protection:	
PPE:	Filter mask for protection against gases and particles.
Characteristics:	«CE» marking, category III. The mask must have a wide field of vision and an anatomically designed form in order to be sealed and watertight.
Maintenance:	Should not be stored in places exposed to high temperatures and damp environments before use. Special attention should be paid to the state of the inhalation and exhalation valves in the face adaptor.
Observations:	Read carefully the manufacturer's instructions regarding the equipment's use and maintenance. Attach the necessary filters to the equipment according to the specific nature of the risk (Particles and aerosols: P1-P2-P3, Gases and vapours: A-B-E-K-AX), changing them as advised by the manufacturer.
Filter Type needed:	A2
Hand protection:	



-Continued on next page.-

PPE:	Non-disposable protective gloves against chemicals.				
Characteristics:	«CE» marking, category III. Check the list of chemicals for which the glove has been tested.				
Maintenance:	A schedule for the periodical replacement of gloves should be established in order to guarantee their replacement before pollutants permeate them. The use of contaminated gloves could be more dangerous than not using gloves, since the pollutant can gradually accumulate in the glove's material.				
Observations:	They are to be replaced whenever tears, cracks or deformations are observed or when exterior dirt could reduce their strength.				
Material:	PVC (polyvinyl chloride)	Breakthrough time (min.):	> 480	Material thickness (mm):	0.35
Eye protection:					
PPE:	Protective goggles with built-in frame.				
Characteristics:	«CE» marking, category II. Eye protector with built-in frame for protection against dust, smoke, fog and vapour.				
Maintenance:	Visibility through lenses should be ideal. Therefore, these parts should be cleaned daily. Protectors should be disinfected periodically following the manufacturer's instructions.				
Observations:	Some signs of wear and tear include: yellow colouring of the lenses, superficial scratching of the lenses, scraping etc.				
Skin protection:					
PPE:	Chemical protective clothing				
Characteristics:	«CE» marking, category III. Clothing should fit properly. The level of protection must be set according to a test parameter called BT (Breakthrough Time), which indicates how long it takes for the chemical to pass through the material.				
Maintenance:	In order to guarantee uniform protection, follow the washing and maintenance instructions provided by the manufacturer.				
Observations:	The protective clothing's design should facilitate correct positioning, staying in place without moving for the period of use expected, bearing in mind environmental factors as well as any movement or position the user might adopt while carrying out the activity.				
PPE:	Anti-static safety footwear against chemicals.				
Characteristics:	«CE» marking, category III. Check the list of chemicals against which the footwear is resistant.				
Maintenance:	For correct maintenance of this kind of safety footwear, it is necessary to observe the instructions specified by the manufacturer. The footwear should be replaced as soon as any sign of damage is observed.				
Observations:	The footwear should be cleaned regularly and dried when damp, although it should not be placed too close to a source of heat in order to avoid any sharp changes in temperature.				

Section 9: Physical and Chemical Properties.

Information on basic physical and chemical properties.
Physical state: Liquid
Colour: gray
Odour: Not applicable/Not available due to the nature/properties of the product
Odour threshold: Not applicable/Not available due to the nature/properties of the product
Melting point/freezing point: Not applicable/Not available due to the nature/properties of the product
Initial boiling point or boiling range: Not applicable/Not available due to the nature/properties of the product
Flammability (solid, gas): Not applicable/Not available due to the nature/properties of the product
Lower Explosive Limit: Not applicable/Not available due to the nature/properties of the product
Upper Explosive Limit: Not applicable/Not available due to the nature/properties of the product
Flash point: > 60 ºC
Auto-ignition temperature: Not applicable/Not available due to the nature/properties of the product
Decomposition temperature: Not applicable/Not available due to the nature/properties of the product
pH: Not applicable/Not available due to the nature/properties of the product
Kinematic viscosity: Not applicable/Not available due to the nature/properties of the product
Solubility: Not applicable/Not available due to the nature/properties of the product

-Continued on next page.-

Liposolubility: Not applicable/Not available due to the nature/properties of the product
Hydrosolubility: Not applicable/Not available due to the nature/properties of the product
Partition coefficient (n-octanol/water): Not applicable/Not available due to the nature/properties of the product
Vapour pressure: Not applicable/Not available due to the nature/properties of the product
Relative density: Not applicable/Not available due to the nature/properties of the product
Vapour density: Not applicable/Not available due to the nature/properties of the product
Particle characteristics: Not applicable/Not available due to the nature/properties of the product

Other information.
Explosive properties: Not applicable/Not available due to the nature/properties of the product
Oxidizing properties: Not applicable/Not available due to the nature/properties of the product
Pour point: Not applicable/Not available due to the nature/properties of the product
Blink: Not applicable/Not available due to the nature/properties of the product
Evaporation rate: Not applicable/Not available due to the nature/properties of the product
Viscosity: Not applicable/Not available due to the nature/properties of the product

Section 10: Stability and Reactivity.

Reactivity.
The product does not present hazards by their reactivity.

Chemical stability.
Stable under the recommended handling and storage conditions (see section 7).

Possibility of hazardous reactions, including those associated with foreseeable emergencies.
The product does not present possibility of hazardous reactions.

Conditions to avoid.
Avoid any improper handling.

Incompatible materials.
Keep away from oxidising agents and from highly alkaline or acidic materials in order to prevent exothermic reactions.

Hazardous decomposition products.
No decomposition if used for the intended uses.

Section 11: Toxicological Information.

Information on toxicological effects.

Toxicological information about the substances present in the composition.

Name	Acute toxicity			
	Type	Test	Kind	Value
proprietary CAS No: EC No:	Oral	LD50	Rat	3910 mg/kg bw [1] [1] Arzneimittel-Forschung. Drug Research. Vol. 26, Pg. 1581, 1976
	Dermal	LD50	Rabbit	3910 mg/kg bw [1] [1] Raw Material Data Handbook, Vol.1: Organic Solvents, 1974. Vol. 1, Pg. 84, 1974
	Inhalation	LC50	Rat	>5.1 mg/L air (4 h) [1] [1] Study report, 1988. OECD Guideline 403 (Acute Inhalation Toxicity).

-Continued on next page.-

a) acute toxicity;
Not conclusive data for classification.

b) skin corrosion/irritation;
Based on available data, the classification criteria are not met.

c) serious eye damage/irritation;
Not conclusive data for classification.

d) respiratory or skin sensitisation;
Not conclusive data for classification.

e) germ cell mutagenicity;
Not conclusive data for classification.

f) carcinogenicity;
Not conclusive data for classification.

g) reproductive toxicity;
Product classified:
Reproductive toxicant, Category 1B: May damage fertility or the unborn child.

h) STOT-single exposure;
Based on available data, the classification criteria are not met.

i) STOT-repeated exposure;
Not conclusive data for classification.

j) aspiration hazard;
Not conclusive data for classification.

Substances present in the composition listed in the National Toxicology Program (NTP) Report on Carcinogens (RoC):
This product does not contain substances listed in the National Toxicology Program (NTP) Report on Carcinogens (RoC).
Substances present in the composition listed in the International Agency for Research on Cancer (IARC) Monographs:
This product does not contain substances listed in the International Agency for Research on Cancer (IARC) Monographs.

Section 12: Ecological Information.

Ecotoxicity.

Name	Ecotoxicity			
	Type	Test	Kind	Value
proprietary	Fish	LC50	Oncorhynchus mykiss	>500 mg/l (96 h) [1]
		[1] Static fish toxicity test according to BBA-bulletin No. 33, 2. edition, September 1975: Unterlagen zur Toxikologie eines Pflanzenbehandlungsmittels im Rahmen des Zulasssungsverfahrens, Absatz D-2.4: Auswirkungen auf Fische. Experimental result, 1983.		
	Aquatic invertebrates	EC50	Palaemonetes vulgaris	1107 mg/l (96 h) [1]
		[1] Study report, 1979. US EPA-660/3-75-009.		
	Aquatic plants			

-Continued on next page.-

CAS No: 872-50-4 EC No: 212-828-1			

Persistence and degradability.

No information is available regarding the biodegradability of the substances present.
No information is available on the degradability of the substances present.
No information is available about persistence and degradability of the product.
Bioaccumulative potential.
Information about the bioaccumulation of the substances present.

Name	Bioaccumulation			
	Log Pow	BCF	NOECs	Level
2,2' -oxybisethanol,diethylene glycol CAS No: 111-46-6 EC No: 203-872-2	-1.47	-	-	Very low
proprietary CAS No: EC No:	-0.54	-	-	Very low

Mobility in soil.
No information is available about the mobility in soil.
The product must not be allowed to go into sewers or waterways.
Prevent penetration into the ground.

Other adverse effects.
No information is available about other adverse effects for the environment.

Section 13: Disposal Considerations.

Waste treatment methods.
Do not dump into sewers or waterways. Waste and empty containers must be handled and eliminated according to current, local/national legislation.
Follow the provisions of the Resource Conservation and Recovery Act (RCRA) and the Resource Conservation and Recovery Act Information (RCRAInfo) regarding waste management.

Section 14: Transport Information.

Transportation is not dangerous. In case of road accident causing the product's spillage, proceed in accordance with point 6.

In accordance with DOT

Not Dangerous Good.

Regulations Concerning the International Carriage of Dangerous Goods by Road (ADR)

Not Dangerous Good.

Section 15: Regulatory Information.

Safety, health and environmental regulations specific for the product.

-Continued on next page.-

VVOC content (p/p): 0 %
VVOC content: 0 g/l
VOC content (p/p): 24.72 %
VOC content: 563.567 g/l
SVOC content (p/p): 0 %
SVOC content: 0 g/l
VVOC: Very volatile organic compounds.
VOC: Volatile organic compounds.
SVOC: Semi volatile organic compounds.

Information on the TSCA Inventory (Toxic Substances Control Act) USA:

CAS No	Name	State
111-46-6	2,2' -oxybisethanol,diethylene glycol	Registered
	proprietary	Registered
7440-22-4	silver	Registered
57-55-6	Propylene glycol	Registered
7732-18-5	water	Registered

The product is not affected by the procedure established by the Rotterdam Convention, concerning the export and import of dangerous chemicals.

The Superfund Amendments and Reauthorization Act (SARA).
SARA Title III and it sets requirements for local and state emergency planning around hazardous chemicals, the right of the public to access information on chemical hazards in their community, and the reporting responsibilities for facilities that use, store, and / or release hazardous chemicals.

SARA Title III has four provisions (any facility with responsibilities under one section will likely have additional responsibilities under another section, consult SARA for more information):
-Emergency Planning (Sections 301-303)
-Emergency Release Notification (Section 304)
-Hazardous Chemical Storage Reporting Requirements (Section 311-312)
-Toxic Chemical Release Inventory (Section 313)

Information related to the product:
Section 302, Extremely Hazardous Substances (EHSs)(40 CFR part 355 Appendix A and Appendix B) and section 304, in the event of an accidental chemical release that exceeds minimal Reportable Quantity (RQ):

Not Applicable.

Section 311, Requires facilities with hazardous chemicals in quantities above certain thresholds (consult OSHA for more information) to provide copies of the SDSs for those chemicals to the State Emergency Response Commission (SERC), Local Emergency Planning Committee (LEPC) and local fire department.

Section 312, Companies with chemicals in sufficient quantities to trigger obligations under Section 311 must also submit an annual emergency and hazardous chemical inventory form to the State Emergency Response Commission (SERC), Local Emergency Planning Committee (LEPC) and local fire department

Section 313, requires facilities with 10 or more employees that use certain toxic chemicals in quantities above threshold levels to report annually on the use, release and disposal of those chemicals, substances identified in section 3:

Name	Category	Category Description	Category Member	Concentration
proprietary CAS No:	-	-	-	0.1 - 1 %
silver CAS No: 7440-22-4	-	-	-	25 - 75 %

Category member:

-Continued on next page.-

c Although not listed by name and CAS number, this chemical is reportable under one or more of the EPCRA section 313 chemical categories.
i Although not specifically listed by name and CAS number, this chemical is an isomer that is reportable under a listed EPCRA section 313 CAS number.
s Indicates that this chemical is currently under an administrative stay of the EPCRA section 313 reporting requirements, therefore, no TRI reports are required until the stay is removed.
X Indicates that this is a second name for an EPCRA section 313 chemical already included on this consolidated list. May also indicate that the same chemical with the same CAS number appears on another list with a different chemical name.

Visit the EPA's website for the most up-to-date information on EPCRA and other environmental considerations.

Proposition 65 warnings
Information related to The Safe Drinking Water and Toxic Enforcement Act of 1986, (better known by its original name of Proposition 65):

Substances of section 3 present in a list of chemicals that can cause cancer, birth defects or other reproductive harm (Proposition 65 List):

Name	Type of Toxicity	Listing Mechanism*	Date Listed	NSRL or MADL (µg/day)**
proprietary CAS No:	developmental	AB	15-jun-01	3200 (inhalation), 17000 (dermal)

* In the Listing Mechanism column, 'AB' denotes authoritative bodies, 'SQE' denotes State's Qualified Experts, 'FR' denotes formally required to be labeled or identified, and 'LC' denotes Labor Code.
** Where a source or product results in exposures by multiple routes, the total exposure must be considered. For example, the MADL for benzene is exceeded when the absorbed dose exceeds 24 µg/day. If only inhalation and oral exposure occurs, the benzene MADL is exceeded when: (oral dose ÷ 24 µg/day) + (inhalation dose ÷ 49 µg/day) > 1.0.

Section 16: Other Information.

Complete text of the hazard statement(s) that appear in section 3:

H315 Causes skin irritation.
H319 Causes serious eye irritation.
H335 May cause respiratory irritation.
H360 May damage fertility or the unborn child.
H410 Very toxic to aquatic life with long lasting effects.

Classification codes:

Aquatic Chronic 1: Chronic effect to the aquatic environment, Category 1
Eye Irrit. 2A: Eye irritation, Category 2A
Repr. 1B: Reproductive toxicant, Category 1B
STOT SE 3: Specific target organ toxicity following a single exposure, Category 3
Skin Irrit. 2: Skin irritant, Category 2

- Changes in the composition of the product (SECTION 3.2).
- Addition of exposure data (SECTION 8.1).
- Addition of personal protective equipment (SECTION 8.2).
- Addition of ecological information values (SECTION 12.3).
- National legislative changes (SECTION 15.1).

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:
Physical hazards On basis of test data
Health hazards Calculation method
Environmental hazards Calculation method

-Continued on next page.-

It is advisable to carry out basic training with regard to health and safety at work in order to handle this product correctly.

Abbreviations and acronyms used:
BCF: Bioconcentration factor.
DMEL: Derived Minimal Effect Level, exposure level corresponding to a low risk, that risk should be considered a tolerable minimum.
DNEL: Derived No Effect Level, level of exposure to the substance below which adverse effects are not anticipated.
EC50: Half maximal effective concentration.
PPE: Personal protection equipment.
LC50: Lethal concentration, 50%.
LD50: Lethal dose, 50%.
MADL: Maximum Allowable Dose Levels.
NOEC: No observed effect concentration.
NSRL: No Significant Risk Levels.
PNEC: Predicted No Effect Concentration, concentration of the substance below which adverse effects are not expected in the environmental compartment.

Key literature references and sources for data:
The Hazard Communication Standard (HCS) (29 CFR 1910.1200)
United Nations Globally Harmonized System of Classification and Labelling of Chemicals (GHS)
https://www.osha.gov
https://www.epa.gov/
http://echa.europa.eu/

The information given in this Safety Data Sheet has been drafted in accordance with The Hazard Communication Standard (HCS) (29 CFR 1910.1200) and United Nations Globally Harmonized System of Classification and Labelling of Chemicals (GHS). Employers must ensure that the SDSs are readily accessible to employees for all hazardous chemicals in their workplace.

The information in this Safety Data Sheet on the Preparation is based on current knowledge and national laws, as far as the working conditions of the users is beyond our knowledge and control. The product must not be used for purposes other than those that are specified without first having written instructions on how to handle. It is always the responsibility of the user to take the appropriate measures in order to comply with the requirements established by current legislation. The information contained in this Safety Sheet only states a description of the safety requirements for the preparation, and it must not be considered as a guarantee of its properties.

-End of safety data sheet..-