Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II, as amended by Commission Regulation (EU) 2020/878 - Poland

SAFETY DATA SHEET

Flux R101-1010



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

1.1 Product identifier	
Product name	: Flux R101-1010
GHS reference number	: GHS068
Product description	: Not available.
Product type	: Liquid.
Other means of	: R101-1010
identification	

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

Identified uses

Not applicable.

Uses advised against Not applicable.

1.3 Details of the supplier of the safety data sheet

AIM 9100 Henri Bourassa East Montreal, QC H1E 2S4 (514) 494-2000

AIM Solder Europe Sp. z.o.o. ul. Papiernicza 7 Łódź 92-312 Poland

e-mail address of person : Safetydata@aimsolder.com responsible for this SDS

National contact

1.4 Emergency telephone number

National advisory body/Poison Center

Telephone number

: INFOTRAC Europe: 0800-181-29-24 International: (352) 323-3500

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 Irrit. 2, H315 Eye Irrit. 2, H319 Repr. 1B, H360D STOT SE 3, H335 Aquatic Chronic 3, H412

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

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Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II, as amended by Commission Regulation (EU) 2020/878 - Poland

Flux R101-1010

SECTION 2: Hazards identification

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.

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2.2 Label elements

Hazard pictograms

Signal word	:	Danger
Hazard statements	:	Causes skin irritation. Causes serious eye irritation. May cause respiratory irritation. May damage the unborn child. Harmful to aquatic life with long lasting effects.
Precautionary statements		
Prevention	-	Obtain special instructions before use. Avoid release to the environment. Wear protective gloves, protective clothing, eye protection, face protection, or hearing protection.
Response	1	IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or physician if you feel unwell.
Storage	:	Store locked up.
Disposal	:	Dispose of contents and container in accordance with all local, regional, national and international regulations.
Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles	:	Restricted to professional users.
Special packaging requirem	en	its
Containers to be fitted with child-resistant fastenings	-	Not applicable.
Tactile warning of danger	:	Not applicable.
2.3 Other hazards		
Product meets the criteria for PBT or vPvB according to Regulation (EC) No. 1907/2006, Annex XIII	:	This mixture does not contain any substances that are assessed to be a PBT or a vPvB.
Other hazards which do not result in classification	1	None known.

SECTION 3: Composition/information on ingredients

3.2 Mixtures	: Mixture			Specific Cone	
Product/ingredient name	Identifiers	%	Classification	Specific Conc. Limits, M-factors and ATEs	Туре
Date of issue/Date of revision	: 11/28/2022	Date of previou	s issue : 11/29/2022	Version :1.0)4 2/1

Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II, as amended by Commission Regulation (EU) 2020/878 - Poland

Flux R101-1010

N-methyl-2-pyrrolidone	EC: 212-828-1 CAS: 872-50-4 Index: 606-021-00-7	≥10 - <25	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Repr. 1B, H360D STOT SE 3, H335 Aquatic Chronic 2, H411	STOT SE 3, H335: C ≥ 10%	[1] [2]
pentaerythritol tetrakis(3- (3,5-di-tert-butyl- 4-hydroxyphenyl) propionate)	EC: 229-722-6 CAS: 6683-19-8	≤3	Aquatic Chronic 4, H413 See Section 16 for the full text of the H statements declared	-	[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.

Туре

[1] Substance classified with a health or environmental hazard

[2] Substance with a workplace exposure limit

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

SECTION 4: First aid measures

4.1 Description of 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 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. Get medical attention. If necessary, call a poison center or physician. 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. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
Skin contact	: 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. Get medical attention. 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.
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 <u>Over-exposure signs/symptoms</u>

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SECTION 4: First aid measures

Eye contact	: Adverse symptoms may include the following: pain or irritation watering redness
Inhalation	: Adverse symptoms may include the following: respiratory tract irritation coughing reduced fetal weight increase in fetal deaths skeletal malformations
Skin contact	: Adverse symptoms may include the following: irritation redness reduced fetal weight increase in fetal deaths skeletal malformations
Ingestion	 Adverse symptoms may include the following: reduced fetal weight increase in fetal deaths skeletal malformations
4.3 Indication of any in	nmediate medical attention and special treatment needed

Notes to physician	: In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
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	:	None known.
5.2 Special hazards arising f	rom	the substance or mixture
Hazards from the substance or mixture	:	In a fire or if heated, a pressure increase will occur and the container may burst. This material is harmful to aquatic life with long lasting effects. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.
Hazardous combustion products	:	Decomposition products may include the following materials: carbon dioxide carbon monoxide nitrogen oxides
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, 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. 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".			
6.2 Environmental precautions	: Avoid dispersal of spilled 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). Water polluting material. May be harmful to the environment if released in large quantities.			
6.3 Methods and materials for	containment 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 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 spilled 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

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

7.1 Precautions for safe handling

Protective measures	: Put on appropriate personal protective equipment (see Section 8). Avoid exposure - obtain special instructions before use. Avoid exposure during pregnancy. 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. Avoid release to the environment. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. 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 unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

SECTION 7: Handling and storage

7.3 Specific end use(s)

Recommendations

Industrial sector specific

solutions

: Not available. : Not available.

SECTION 8: Exposure controls/personal protection

The information in this section contains generic advice and guidance. Information is provided based on typical anticipated uses of the product. Additional measures might be required for bulk handling or other uses that could significantly increase worker exposure or environmental releases.

8.1 Control parameters

Occupational exposure limits

Product/ingredient name	Exposure limit valuesRegulation of the Minister of Family, Labor and Social Policyof 18 February 2021, regarding the highest permissibleconcentrations and values of agents harmful to health in thework environment (Journal of Laws 2021, item 325) (Poland,2/2021). Absorbed through skin.TWA: 40 mg/m³ 8 hours.STEL: 80 mg/m³ 15 minutes.	
N-methyl-2-pyrrolidone		
procedures atmosphere or h of the ventilation protective equip the following: E the assessment limit values and atmospheres - 0 of exposure to o (Workplace atm for the measure	ontains ingredients with exposure limits, personal, workplace biological monitoring may be required to determine the effectiveness of or other control measures and/or the necessity to use respiratory ment. Reference should be made to monitoring standards, such as uropean Standard EN 689 (Workplace atmospheres - Guidance for of exposure by inhalation to chemical agents for comparison with measurement strategy) European Standard EN 14042 (Workplace Guide for the application and use of procedures for the assessment chemical and biological agents) European Standard EN 482 hospheres - General requirements for the performance of procedures ment of chemical agents) Reference to national guidance nethods for the determination of hazardous substances will also be	

DNELs/DMELs

Product/ingredient name	Туре	Exposure	Value	Population	Effects
N-methyl-2-pyrrolidone	DNEL	Long term Inhalation	14.4 mg/m ³	Workers	Systemic
	DNEL	Long term Dermal	4.8 mg/kg bw/day	Workers	Systemic
pentaerythritol tetrakis(3-(3,5-di-tert- butyl-4-hydroxyphenyl)propionate)	DNEL	Long term Oral	4.6 mg/kg bw/day	General population	Systemic
	DNEL	Long term Inhalation	7.7 mg/m³	General population	Systemic
	DNEL	Long term Inhalation	10 mg/m³	Workers	Systemic
	DNEL	Long term Dermal	44.6 mg/ kg bw/day	General population	Systemic
	DNEL	Long term Dermal	89.2 mg/ kg bw/day	Workers	Systemic

PNECs

No PNECs available.

8.2 Exposure controls

SECTION 8: Exposure controls/personal protection

Appropriate engineering controls	vapo engii	only with adequate ventilation. If user operations generate dust, fumes, gas, or or mist, use process enclosures, local exhaust ventilation or other neering controls to keep worker exposure to airborne contaminants below any mmended or statutory limits.
Individual protection measured	res	
Hygiene measures	befo Appr Was	h hands, forearms and face thoroughly after handling chemical products, re eating, smoking and using the lavatory and at the end of the working period. ropriate techniques should be used to remove potentially contaminated clothing. h contaminated clothing before reusing. Ensure that eyewash stations and ty showers are close to the workstation location.
Eye/face protection	asse gase	ty eyewear complying with an approved standard should be used when a risk essment indicates this is necessary to avoid exposure to liquid splashes, mists, es or dusts. If contact is possible, the following protection should be worn, ss the assessment indicates a higher degree of protection: chemical splash gles.
Skin protection		
Hand protection	be w this i chec shou diffe seve	mical-resistant, impervious gloves complying with an approved standard should yorn at all times when handling chemical products if a risk assessment indicates is necessary. Considering the parameters specified by the glove manufacturer, ek during use that the gloves are still retaining their protective properties. It all be noted that the time to breakthrough for any glove material may be rent for different glove manufacturers. In the case of mixtures, consisting of eral substances, the protection time of the gloves cannot be accurately mated.
Body protection	bein	onal protective equipment for the body should be selected based on the task g performed and the risks involved and should be approved by a specialist re handling this product.
Other skin protection	seleo	opriate footwear and any additional skin protection measures should be cted based on the task being performed and the risks involved and should be oved by a specialist before handling this product.
Respiratory protection	appr resp	ed on the hazard and potential for exposure, select a respirator that meets the opriate standard or certification. Respirators must be used according to a iratory protection program to ensure proper fitting, training, and other important ects of use.
Environmental exposure controls	ensu In sc	ssions from ventilation or work process equipment should be checked to are they comply with the requirements of environmental protection legislation. The cases, fume scrubbers, filters or engineering modifications to the process pment will be necessary to reduce emissions to acceptable levels.

SECTION 9: Physical and chemical properties

The conditions of measurement of all properties are at standard temperature and pressure unless otherwise indicated.

9.1 Information on basic physical and chemical properties

Date of issue/Date of revision	: 11/28/2022 Date of previous issue : 11/29/2022 Version : 1.04 7/14
Flash point	: Not available
Lower and upper explosion limit	: Not available
Flammability	: Flammable in the presence of the following materials or conditions: open flames, sparks and static discharge.
Initial boiling point and boiling range	: Not available.
Melting point/freezing point	: Not available.
Odor threshold	: Not available.
Odor	: Typical rosin.
Color	: Yellowish-brown. [Dark]
Physical state	: Liquid. [Very thick liquid (comparable to molasses)]
<u>Appearance</u>	

SECTION 9: Physical and chemical properties

Ingredient name		Closed cup			Open cup			
	°C	°F	Method	°C	°F	Method		
bis(2-butoxyethyl) ether	47.78	118	Tagliabue.					
N-methyl-2-pyrrolidone	92.8	199		91	195.8	Pensky-Martens		
Resin acids and Rosin acids, hydrogenated, esters with triethylene glycol	204	399.2		190	374	Cleveland		
pentaerythritol tetrakis(3-(3,5-di- tert-butyl-4-hydroxyphenyl) propionate)				297	566.6			

Auto-ignition temperature : Not available

Ingredient name	°C	°F	Method
N-methyl-2-pyrrolidone	245	473	
bis(2-butoxyethyl) ether	309.85	589.7	
Rosin, oligomers	>400	>752	

Decomposition temperature	:	Not available.
рН	:	Not available.
Viscosity	:	Not available.
Solubility(ies)	:	
Not available.		
Solubility in water	:	Not available.
Partition coefficient: n-octanol/ water	:	Not applicable.

2

Vapor pressure

	Vapor Pressure at 20°C			Ň	Vapor pressure at 50°C		
Ingredient name	mm Hg	kPa	Method	mm Hg	kPa	Method	
N-methyl-2-pyrrolidone	0.24	0.032					
Rosin, oligomers	0	0					
Resin acids and Rosin acids, hydrogenated, esters with triethylene glycol	0	0					
bis(2-butoxyethyl) ether	0	0					
pentaerythritol tetrakis(3-(3,5-di- tert-butyl-4-hydroxyphenyl) propionate)	0	0					

Relative density

- : Not available.
- Vapor density
- : Not available.
- **Explosive properties Oxidizing properties**
- **Particle characteristics**

Median particle size

- : Not available.

- : Not available.

: Not applicable.

SECTION 10: Stability and reactivity

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.
10.4 Conditions to avoid	:	No specific data.
10.5 Incompatible materials	:	No specific data.
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 hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
N-methyl-2-pyrrolidone pentaerythritol tetrakis(3- (3,5-di-tert-butyl- 4-hydroxyphenyl)propionate)	LD50 Dermal LD50 Oral LD50 Oral	Rabbit Rat Rat	8 g/kg 3914 mg/kg >5000 mg/kg	-

Conclusion/Summary : Not available.

Acute toxicity estimates

Product/ingredient name	Oral (mg/ kg)	Dermal (mg/kg)	Inhalation (gases) (ppm)	Inhalation (vapors) (mg/l)	Inhalation (dusts and mists) (mg/l)
N-methyl-2-pyrrolidone	3914	8000	N/A	N/A	N/A

Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
N-methyl-2-pyrrolidone	Eyes - Moderate irritant	Rabbit	-	100 mg	-
Conclusion/Summary	: Not available.	·			
Sensitization					
Conclusion/Summary	: Not available.				
<u>Mutagenicity</u>					
Conclusion/Summary	: Not available.				
Carcinogenicity					
Conclusion/Summary	: Not available.				
Reproductive toxicity					
Conclusion/Summary	: Not available.				
Teratogenicity					
Conclusion/Summary	: Not available.				
Specific target organ toxicit	<u>y (single exposure)</u>				

Product/ing	redient name	Categ	Jory	Route of exposure	Target organs
N-methyl-2-pyrrolidone		Category	3	-	Respiratory tract irritation
Specific target organ toxic	ity (repeated exposi	ure)	I		
Not available.					
Aspiration hazard Not available.					
nformation on the likely outes of exposure	: Not available.				
Potential acute health effect	<u>S</u>				
Eye contact	: Causes serious	eye irritation.			
Inhalation	: May cause resp	iratory irritation.			
Skin contact	: Causes skin irrit	ation.			
Ingestion	: No known signif	icant effects or critica	al hazard	S.	
Symptoms related to the ph	ysical, chemical and	d toxicological char	<u>acteristi</u>	<u>cs</u>	
Eye contact	: Adverse sympto pain or irritation watering redness	ms may include the t	following:		
Inhalation	: Adverse sympto respiratory tract coughing reduced fetal we increase in fetal skeletal malform	eight deaths	following:		
Skin contact	: Adverse sympto irritation redness reduced fetal we increase in fetal skeletal malform	deaths	following:		
Ingestion	: Adverse sympto reduced fetal we increase in fetal skeletal malform	deaths	following:		
Delayed and immediate effe	cts and also chroni	c effects from short	and lon	<u>g term exposur</u>	<u>'e</u>
Short term exposure Potential immediate effects	: Not available.				
Potential delayed effects	: Not available.				
Long term exposure					
Potential immediate effects	: Not available.				
Potential delayed effects	: Not available.				
Potential chronic health eff Not available.	f <u>ects</u>				
Conclusion/Summary	: Not available.				

SECTION 11: Toxicological information

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	: May damage the unborn child.

11.2 Information on other hazards

11.2.1 Endocrine disrupting properties

Not available.

11.2.2 Other information

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.

SECTION 12: Ecological information

12.1 Toxicity

Product/ingredient name	Result	Species	Exposure
N-methyl-2-pyrrolidone	Acute LC50 1.23 ppm Fresh water Acute LC50 832 ppm Fresh water	Daphnia - Daphnia magna Fish - Lepomis macrochirus	48 hours 96 hours
Conclusion/Summary	• Not available		

Conclusion/Summary : Not available.

12.2 Persistence and degradability

Conclusion/Summary : Not available.

12.3 Bioaccumulative potential

Product/ingredient name	LogPow	BCF	Potential
N-methyl-2-pyrrolidone pentaerythritol tetrakis(3- (3,5-di-tert-butyl- 4-hydroxyphenyl)propionate)	-0.46 22.7	-	low high

12.4 Mobility in soil

Soil/water partition coefficient (Koc)	: Not available.
Mobility	: Not available.

12.5 Results of PBT and vPvB assessment

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

12.6 Endocrine disrupting properties

Not available.

12.7 Other adverse effects

No known significant effects or critical hazards.

SECTION 13: Disposal considerations

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

13.1 Waste treatment methods

Product	
Methods of disposal	: The 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.
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 minimized wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.
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 spilled material and runoff and contact with soil, waterways, drains and sewers.

SECTION 14: Transport information

	ADR/RID	ADN	IMDG	ΙΑΤΑ
14.1 UN number or ID number	Not regulated.	Not regulated.	Not regulated.	Not regulated.
14.2 UN proper shipping name	-	-	-	-
14.3 Transport hazard class(es)	-	-	-	-
14.4 Packing group	-	-	-	-
14.5 Environmental hazards	No.	No.	No.	No.

user

14.6 Special precautions for : Transport within user's premises: 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 Maritime 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 EU Regulation (EC) No. 1907/2006 (REACH)

Annex XIV - List of substances subject to authorization

Annex XIV

None of the components are listed.

Substances of very high concern

SECTION 15: Regulatory information

Status Recommended	Reference number ED/79/2015	Date of revision 2/5/2018
Recommended	ED/79/2015	2/5/2018
r which Chemical Sa	lfety Assessme	nts are still
r which Chemical Sa	fety Assessme	nts are still
	ifety Assessme	nts are still
r which Chemical Sa	ifety Assessme	nts are still

: -ACGIH, Threshold Limit Values, 1994-1995. -Canada Gazette Part II, Vol. 122, No. **Key literature references** 2 Registration SOR/88-64 31 December, 1987 Hazardous Products Act "Ingredient and sources for data Disclosure List". -CFR29, OSHA's Permissible Exposure Limits, revision July, 1993. -CFR29, part 1910.1200, Hazard Communication. -CHEMTOX database -Components' manufacturer's Material Safety Data Sheet. -CRC Handbook of chemistry and physics, 67 th edition, CRC Press inc., Boca Raton, Florida. -CSST (Comission de Santé et Sécurité au Travail), document #RT-12: Classification of Certain Chemical Substances. - IATA, Dangerous Goods Regulations, 37th edition

SECTION 16: Other information

(January 1, 1996) -NFPA, Fire Protection Guide to Chemical Hazards, 11th edition. -NIOSH, Pocket Guide to Chemical Hazards, revision June 1994. Sigma-Alrich handbook of fine chemicals, 1998 -TSCA (Toxic Substance Contral Act), Chemical Substance Inventory List, 1985.

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

Classification	Justification
Skin Irrit. 2, H315	Calculation method
Eye Irrit. 2, H319	Calculation method
Repr. 1B, H360D	Calculation method
STOT SE 3, H335	Calculation method
Aquatic Chronic 3, H412	Calculation method

Full text of abbreviated H statements

H315	Causes skin irritation.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H360D	May damage the unborn child.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.
H413	May cause long lasting harmful effects to aquatic life.

Full text of classifications [CLP/GHS]

Aquatic Chronic 2	AQUATIC HAZARD (LONG-TERM) - Category 2	
Aquatic Chronic 3	AQUATIC HAZARD (LONG-TERM) - Category 3	
Aquatic Chronic 4	AQUATIC HAZARD (LONG-TERM) - Category 4	
Eye Irrit. 2	SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2	
Repr. 1B	TOXIC TO REPRODUCTION - Category 1B	
Skin Irrit. 2	SKIN CORROSION/IRRITATION - Category 2	
STOT SE 3	SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) - Category 3	
Date of printing	: 11/30/2022	

Date et printing	
Date of issue/ Date of	: 11/28/2022
revision	
Date of previous issue	: 11/29/2022
Version	: 1.04

Notice to reader

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