eorga	oron TRIBROMIDE, 1M IN DICHLOROMETHANE				
	SAFETY DATA SHEET (according to Regulation (EC) No. 1907/2006/EC)				
Version 1, Revisi	on: 29-07-2024 GEO-04778 Page 1/4				
SECTION 1.1 Product iden	N 1 - IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING				
	EC number: 233-657-9				
CAS-No.: 102	CAS-No.: 10294-33-4 Product Code: GEO-04778				
	ntified uses of the substance or mixture and uses advised against				
	es: Laboratory chemicals, Manufacture of substances esupplier of the safety data sheet:				
Georganics L	.td., Koreničova 1, 811 03 Bratislava, Slovak Republic				
	er: +421 33 6403132, E-mail address: georganics@georganics.sk				
1.4 Emergency t	elephone number: National Toxicological Information Centre, Tel: +421-2-54774166, Mob: +421 911 166 066				
21 Classification	SECTION 2 - HAZARDS IDENTIFICATION n of the substance or mixture				
	tion according to Regulation (EC) No 1272/2008 (CPL)				
Serious eye day	mage, hazard category 1				
	y, hazard category 2				
	, hazard category 1A t Organ Toxicity — Single exposure, hazard category 3 - narcosis				
Acute toxicity,	oral, hazard category 2				
	inhalation, hazard category 2				
2.1.2 Addition 2.2 Label element	onal information: For full text of Hazard- and EU Hazard-statements: see SECTION 16.				
	g according Regulation (EC) No 1272/2008				
Hazard	Hazard statements:				
pictogram:	H300-Fatal if swallowed. H314-Causes severe skin burn8s and eye damage.				
	H318-Causes serious eye damage.				
\mathbf{X}	H330-Fatal if inhaled.				
	H336-May cause drowsiness or dizziness. H351-Suspected of causing cancer state route of exposure if it is conclusively proven that no other routs of exposure				
	cause the hazard.				
Signal word: Danger	EUH014-Reacts violently with water.				
2 41.941	Precautionary statements: P201-Obtain special instructions before use.				
	P202-Do not handle until all safety precautions have been read and understood.				
	P260-Do not breathe dust/fume/gas/mist/vapours/spray.				
	P264-Wash thoroughly after handling. P270-Do no eat, drink or smoke when using this product.				
	P271-Use only outdoors or in a well-ventilated area.				
	P280-Wear protective gloves/protective clothing/eye protection/face protection.				
	P284-Wear respiratory protection. P310-Immediately call a POISON CENTER or doctor/physician.				
	P312-Call a POISON CENTER or doctor/physician if you feel unwell.				
	P320-Specific treatment is urgent (see on this label).				
	P321-Specific treatment (see on this label). P330-Rinse mouth.				
	P363-Wash contaminated clothing before reuse.				
	P301+P310-IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.				
	P301+P330+P331-IF SWALLOWED: rinse mouth. Do NOT induce vomiting. P303+P361+P353-IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with				
	water/shower.				
	P304+P340-IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.				
	P305+P351+P338-IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.				
	P308+P313-IF exposed or concerned: Get medical advice/attention.				
	P405-Store locked up.				
	P403+P233-Store in a well-ventilated place. Keep container tightly closed. P501-Dispose of contents/container to local regulations.				
	Supplemental Hazard information (EU): Not applicable				
2.3 Other	This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or warn persistent and very bioaccumulative ($vBvB$) at levels of 0.1% or bicker				
hazards	very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.				

SECTION 3 - COMPOSITION, INFORMATION ON INGREDIENTS

	Bellone e							
3.1 Substances								
Identification numbers	Substance name	Concentration		Classification according to Regulation (EC) No 1272/2008			SCL / M- factor / ATE	
CAS: 10294-33-4 EC: 233-657-9	Boron tribromide, 1M in Dichloromethane	<= 100%		H300;H314;F	H318;H330;H336;H351;EUH014;		-	
3.2. Mixtures								
Chemical name	CAS No.EC No. R No. Index No			entration			nrase M factor M factor chronic	
Dichloromethane; methylene chloride		75-09-2200-838-901- 2119480404-41602-004-00-3		- 85%	Eye Irrit. 2, STOTSE 3 - narcosis,Carc. 2	H319, H336, H351		
Boron tribromide	10294-33-4233-657 2120857332-56005-0		>15	- <20%	Acute Tox. 2 - oral, Skin Corr. 1A, Acute Tox. 2 - inhalation	H300, H314, H330, EUH014		

4.1 Description of first aid measures

4.1 Description of first aid	d measures
General notes	Consult a physician. Show this safety data sheet to the doctor in attendance.
If inhaled	If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash off with soap and plenty of water. Take victim immediately to hospital. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with
	water. Consult a physician.

SECTION 4 - FIRST AID MEASURES

4.2 Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

4.3 Indication of any immediate medical attention and special treatment needed

No data available

SECTION 5 - FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media: Use carbon dioxide or dry powder to extinguish.

Unsuitable extinguishing media: -Foam. Water.

5.2 Special hazards arising from the substance or mixture - During a fire, irritating and toxic gases may be generated by thermal decomposition or combustion.

5.3 Advice for firefighters - Wear self-contained breathing apparatus and protective clothing to prevent contact with skin/eyes.

5.4 Further information - Remove container from danger zone and cool with water. Suppress (knock down) gases/vapors/mists with a water spray jet. Prevent fire extinguishing water from contaminating surface water or the ground water system.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures - Wear protective equipment. Ensure adequate ventilation. Keep unprotected persons away. Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray. Wash spill site after material pickup is complete.
6.2 Environmental precautions - Prevent further leakage or spillage if safe to do so. Do not let this chemical enter the environment.
6.3 Methods and materials for containment and cleaning up – Spilled product should be covered with suitable (non-flammable) absorbing material. Dispose of contaminated material as waste according to section 13. Ensure adequate ventilation

6.4 Reference to other sections - See Section 7 for information on safe handling. See section 8 for information on personal protection equipment. See Section 13 for information on disposal.

SECTION 7 - HANDLING AND STORAGE

7.1 Precautions for safe handling – For precautions see section 2.2.

Wash thoroughly after handling. Avoid contact with eyes, skin, and clothing. Avoid ingestion and inhalation. Ensure adequate ventilation. Remove contaminated clothing and protective equipment before entering eating areas.

7.2 Conditions for safe storage, including any incompatibilities - Store in a dry, cool and well-ventilated place. Keep container closed when not in use. See Section 10 for stability and reactivity information. Store at room temperature. Store in a dry place. Store in a closed container. Storage class : Toxic storage. Moisture Sensitive. Store under inert gas.

7.3 Specific end use(s) - No further relevant information available

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GEO-04778 Page 3/4 SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION						
8.1 Control parameters						
8.2 Exposure controls						
Engineering Controls:	Use process enclosure, local exhaust ventilation, or other engineering controls to control					
	airborne levels. Safety shower and eye bath.					
Personal Protective Equipment						
Eye and face protection:	Wear chemical safety glasses.					
Skin protection:	Wear appropriate protective gloves and clothing to prevent skin exposure.					
Respiratory protection:	Wear appropriate protective mask with a filter against organic vapors.					
Thermal hazard:	No data available					
Environmental exposure controls:	ols: Do not let product enter drains.					
SI	ECTION 9 - PHYSICAL AND (CHEMICAL PROPERTIES				
9.1 Information on basic physical an	d chemical properties					
Physical state:	Liquid	Decomposition temperature:	No data available			
Color:	Light yellow to brown.	pH:	No data available			
Odor:	No data available	Kinematic viscosity:	No data available			
Freezing/Melting Point:	No data available	Solubility:	No data available			

Boiling Point: Flammability:

Flash Point:

Auto-ignition temperature: No data available 9.2 Other safety information - No data available

SECTION 10 - STABILITY AND REACTIVITY

Partition coefficient n-

Relative vapor density:

Particle characteristics:

Vapor pressure:

octanol/water (log value):

Density and/or relative density:

No data available

No data available

No data available

No data available

1.467 g/cm3

10.1 Reactivity - No data available

Lower and upper explosion limit:

10.2 Chemical stability - The product is chemically stable under standard ambient conditions (room temperature)

10.3 Possibility of hazardous reactions - No data available

10.4 Conditions to avoid - Moisture.

10.5 Incompatible materials - Water. Strong bases Sodium. sodium oxides Potassium. Metals. Aluminium. Alkali metals. Alcohols **10.6 Hazardous decomposition products -**

SECTION 11 - TOXICOLOGICAL INFORMATION

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity - No data available

Skin irritation or corrosion - Causes skin irritation

Serious eye damage / irritation - Causes serious eye irritation.

Respiratory or skin sensitization - No data available

Germ cell mutagenicity - No data available

Carcinogenicity - No data available

Reproductive toxicity - No data available

Specific target organ system toxicity (STOT) - repeated exposure: No data available

Specific target organ system toxicity (STOT) - single exposure: No data available

11.2 Additional Information - To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated. Other dangerous properties cannot be excluded. This substance should be handled with particular care.

SECTION 12 - ECOLOGICAL INFORMATION

12.1 Toxicity - No data available

12.2 Persistence and degradability - No data available

12.3 Bioaccumulative potential - No data available

12.4 Mobility in soil - No data available

12.5 Results of PBT and vPvB assessment - This substance/mixture contains no components considered to be either persistent,

bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

12.6 Endocrine disrupting properties - No data available

12.7 Other adverse effects - No data available

12.8 Additional information - No data available

SECTION 13 - DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Hand over to disposers of hazardous waste. Must be specially treated under adherence to official regulations. Consult state, local or national regulations for proper disposal. The product must not be disposed of with municipal waste.

Contaminated packaging

Dispose of as unused product.

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	SECTION 14 - TRAN	SPORT IN	FORMATION		
14.1 UN number:	ADR/RID: 3390	IMDG: 3		IATA: 3390	
14.2 UN proper shipping name:					
ADR/RID: TOXIC BY INHALATION LIQUID, CORROSIVE, N.O.S. (Boron tribromide, 1M in Dichloromethane)					
IMDG: TOXIC BY INHALATION					
IATA: TOXIC BY INHALATION	LIQUID, CORROSIVE, N.O.S	S. (Boron trib	romide, 1M in Dichlorof	netnane)	
14.3 Transport hazard class(es)			1 (0)		
	ADR/RID: 6.1 (8)	IMDG: 6	.1 (8)	IATA: 6.1 (8)	
14.4 Packing group					
	ADR/RID: 1	IMDG: 1		IATA: 1	
14.5 Environmental hazards					
	ADR/RID: no	IMDG M	arine pollutant: no	IATA: no	
14.6 Special precautions for user	• No data available				
14.7 Maritime transport in bulk		s - No data av	ailable		
	SECTION 15 - REGU				
15.1 Safety, health and environm	iental regulations/legislation s	pecific for the	e substance or mixture		
The Chemicals (Hazard Informati	on and Packaging for Supply)	Regulations 2	2009 as amended. Envir	onmental Protection Act 1990 as	
amended. Clean Air Act 1993 as	amended. Regulation (EC) N	o. 1907/2006	of the European Parlian	ment and of the Council of 18th	
December 2006 concerning the Re					
Chemicals Agency, amending Dir					
(EC) No. 1488/94 as well as Co					
2000/21/EC, as amended. Regulat					
classification, labelling and packag		s, amending a	nd repeating Directives of	57/546/EEC and 1999/45/EC, and	
amending Regulation (EC) No. 190					
15.2 Chemical safety assessment	- No Chemical Safety Assessme	ent has been c	arried out for this substar	nce/mixture by the supplier.	
	SECTION 16 - O	THER INFO	RMATION		
Key to abbreviations and acron					
ATE - Acute Toxicity Estimate	in the survey dute sh		Kow - octanol-water partition	n coefficient	
ADR - European Agreement concerning t	the International Carriage of Dangerous	Goods by Road	LC50 - Lethal Concentration		
ADN - European Agreement concerning t				1 1	
Inland Waterways				of a test population (Median Lethal Dose)	
CEN - European Committee for Standardi	isation		LE - Legal Entity		
C. L. Classification and Labelling			LoW - List of Wastes	ant/marta/from amorta/list htms)	
C&L - Classification and Labelling CLP - Classification Labelling Packaging	Regulation: Regulation (EC) No 1272/	2008	(http://ec.europa.eu/environment/waste/framework/list.htm) LR - Lead Registrant		
CAS# - Chemical Abstracts Service numb		2008	M/I - Manufacturer / Importer		
CMR - Carcinogen, Mutagen, or Reprodu			MS - Member States		
CSA - Chemical Safety Assessment			MSDS - Material Safety Data Sheet		
CSR - Chemical Safety Report			OC - Operational Conditions		
DNEL - Derived No Effect Level	1000/45/50		OECD - Organization for Economic Co-operation and Development		
DPD - Dangerous Preparations Directive DSD - Dangerous Substances Directive 6'			OEL - Occupational Exposure Limit		
DU - Downstream User	//340/EEC		OJ - Official Journal OR - Only Representative		
EC - European Community			OSHA - European Agency for Safety and Health at work		
ECHA - European Chemicals Agency			PBT - Persistent, Bioaccumulative and Toxic substance		
EC-Number - EINECS and ELINCS Num	aber (see also FINECS and FLINCS)		PEC - Predicted Effect Conc	entration	
EEA - European Economic Area (EU + Ic			PNEC(s) - Predicted No Effe		
EEC - European Economic Community			PPE - Personal Protection Ec		
EINECS - European Inventory of Existing	g Commercial Substances		(Q)SAR - Qualitative Structu		
			6	uation, Authorisation and Restriction of	
ELINCS - European List of notified Chen	nical Substances		Chemicals Regulation (EC)		
EN - European Standard			Goods by Rail	g the International Carriage of Dangerous	
EQS - Environmental Quality Standard			RIP - REACH Implementation	on Project	
EU - European Union			RMM - Risk Management M		
Euphrac - European Phrase Catalogue			SCBA - Self-Contained Brea	thing Apparatus	
EWC - European Waste Catalogue (replaced by LoW – see below)			SDS - Safety data sheet		
GES - Generic Exposure Scenario			SIEF - Substance Information Exchange Forum		
GHS - Globally Harmonized SystemSME - Small and Medium sized EnterprisesIATA - International Air Transport AssociationSTOT - Specific Target Organ Toxicity					
			(STOT) RE - Repeated Expo		
IMDG - International Maritime Dangerou		•	(STOT) KE - Kepeated Expo (STOT) SE - Single Exposur		
IMSBC - International Maritime Solid Bu			SVHC - Substances of Very		
IT - Information Technology			UFI - Unique Formula Identifier		
IUCLID - International Uniform Chemical Information Database UN - United Nations					
IUPAC - International Union for Pure Applied Chemistry vPvB - Very Persistent and Very Bioaccumulative					
JRC - Joint Research Centre The information contained in the SDS are compiled according to the present knowledge of the manufactures. It does not correspond only executed of the					
The information contained in the SDS are compiled according to the present knowledge of the manufacturer. It does not represent any guarantee of the properties of the product SDS shell be used only as a guide. Coordenies Ltd is not liable for damages incurred in the handling or context with chemicals					
properties of the product. SDS shall be used only as a guide. Georganics Ltd. is not liable for damages incurred in the handling or contact with chemicals.					