



SAFETY DATA SHEET

4-BROMO-2-CHLORO-6-METHYLPHENYL ISOCYANATE


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SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

Company Identification:	Georganics Ltd. Koreničova 1 811 03 Bratislava Slovak Republic	Phone Number: +421 33 6403132 Fax Number: +421 33 6403133 E-mail address: georganics@georganics.sk
Emergency Number, Slovakia:	National Toxicological Information Centre Tel: 00421-2-54774166 Mobil: +421 911 166 066	

SECTION 2 - HAZARDS IDENTIFICATION

GHS pictogram:	H330 - Fatal if inhaled H315 - Causes skin irritation P261 - Avoid breathing dust/fume/gas/mist/vapors/spray P284 - Wear respiratory protection	H319 - Causes serious eye irritation H335 - May cause respiratory irritation
Signal word:	P301 + P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician P301 + P330 + P331 - IF SWALLOWED: rinse mouth. Do NOT induce vomiting 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 P312 - Call a POISON CENTER or doctor/physician if you feel unwell	
 Danger		

SECTION 3 - COMPOSITION, INFORMATION ON INGREDIENTS

CAS#	Chemical Name	Assay (%)	EINECS#
77159-77-4	4-Bromo-2-chloro-6-methylphenyl isocyanate	min. 99	-

SECTION 4 - FIRST AID MEASURES

Eyes:	Rinse opened eye for at least 15 minutes under running water. Get medical aid.
Skin:	Instantly wash with water and soap and rinse thoroughly. Get medical aid.
Ingestion:	Get medical aid. Wash mouth out with water.
Inhalation:	Remove from exposure and move to fresh air immediately. If breathing is difficult, give oxygen. If required, provide artificial respiration.

SECTION 5 - FIRE FIGHTING MEASURES

Suitable extinguishing agents:	Use dry chemical, carbon dioxide or appropriate foam.
Protective equipment:	Wear self-contained breathing apparatus and protective clothing to prevent contact with skin/eyes.
Unusual fire and explosions hazards:	During a fire, irritating and toxic gases may be generated by thermal decomposition or combustion.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Person-related safety precautions:	Wear protective equipment as indicated in section 8. Ensure adequate ventilation. Avoid dust formation. Avoid contact with eyes, skin, and clothing. Avoid ingestion and inhalation. Wash spill site after material pickup is complete.
Environmental precautions	Should not be released into the environment.
Additional information:	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

Handling:	Wash thoroughly after handling. Avoid contact with eyes, skin, and clothing. Avoid ingestion and inhalation. Avoid dust formation.
Storage:	Store in a dry, cool and well ventilated place. Keep container closed when not in use. Keep away from heat. Store under dry nitrogen. Moisture sensitive. See Section 10 for stability and reactivity information.

SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls:	Use process enclosure, local exhaust ventilation, or other engineering controls to control airborne levels. Safety shower and eye bath.
Personal Protective Equipment	
Eyes:	Wear chemical safety glasses.
Skin:	Wear appropriate protective gloves and clothing to prevent skin exposure.
Clothing:	Wear appropriate protective work clothing.
Respirators:	Use breathing protection with high concentrations.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Form:	Crystalline solid	Flash Point:	Not available
Color:	White	Solubility:	Not available
Boiling Point:	82 - 84 °C	Molecular Formula:	C8H5BrClNO
Freezing/Melting Point:	Not available	Molecular Weight:	246,49

SECTION 10 - STABILITY AND REACTIVITY

Chemical Stability:	Air sensitive. Stable under normal temperatures and pressures.
Incompatible Materials:	Strong oxidants.
Conditions to avoid:	Incompatible products, heat, moisture
Hazardous Decomposition Products:	Carbon oxides, nitrogen oxides, hydrogen bromide, hydrogen chloride

SECTION 11 - TOXICOLOGICAL INFORMATION

Carcinogenicity:	There are no known carcinogenic chemicals in this product. No classification data on carcinogenic properties of this material is available from the EPA, IARC, NTP, OSHA or ACGIH.
Potential Health Effects	Fatal if inhaled. Causes severe skin burns and eye damage. Causes skin irritation and serious eye irritation
Other:	The toxicological properties have not been fully investigated.

SECTION 12 - ECOLOGICAL INFORMATION

Do not let product enter drains.

SECTION 13 - DISPOSAL CONSIDERATIONS

Dispose of in a manner consistent with federal, state, and local regulations.

SECTION 14 - TRANSPORT INFORMATION

	IATA	IMDG/IMO	RID/ADR
Shipping Name:	ISOCYANATES, TOXIC, SOLID, N.O.S.	ISOCYANATES, TOXIC, SOLID, N.O.S.	ISOCYANATES, TOXIC, SOLID, N.O.S.
Hazard Class:	6.1	6.1	6.1
UN Number:	2206	2206	2206
Packing Group:	II	II	II

SECTION 15 - REGULATORY INFORMATION**European/International Regulations**

European Labeling in Accordance with EC Directives

Hazard Symbols: T - Toxic

Risk Phrases: R23 - Toxic by inhalation
R36/37/38 - Irritating to eyes, respiratory system and skin

Safety Phrases: S23 - Do not breathe gas/fumes/vapour/spray
S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S36/37/39 - Wear suitable protective clothing, gloves and eye/face protection.
S45 - In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

Canadian DSL/NDSL CAS# 77159-77-4 is not listed on Canada's DSL or NDSL List.

US Federal TSCA CAS# 77159-77-4 is not listed on the TSCA Inventory.

SECTION 16 - OTHER INFORMATION**WARRANTY**

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 shall be used only as a guide. Georganics Ltd. is not liable for damages incurred in the handling or contact with chemicals.