


3-CHLORO-4-METHYLBENZONITRILE

Version 1, Revision: 09/03/2018

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SECTION 1 - IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING		
Product identifiers	Product name: 3-Chloro-4-methylbenzonitrile	Product Code: GEO-04031 CAS-No. : 21423-81-4
Relevant identified uses of the substance or mixture and uses advised against	Identified uses : Laboratory chemicals, Manufacture of substances	
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: +421-2-54774166, Mob: +421 911 166 066	

SECTION 2 - HAZARDS IDENTIFICATION	
GHS pictogram:	H228 - Flammable solid P210 - Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
	
Signal word:	Warning

SECTION 3 - COMPOSITION, INFORMATION ON INGREDIENTS					
Synonyms	Formula	Molecular Weight	Assay (%)	CAS#	EC-No.
3-Chloro-p-tolunitrile	C8H6ClN	151,60g/mol	98+	21423-81-4	244-381-3

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. Get medical aid.

SECTION 5 - FIRE FIGHTING MEASURES	
Suitable extinguishing agents	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
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.
Environmental precautions	Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray. Wash spill site after material pickup is complete.
Additional information:	Do not let this chemical enter the environment.
	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. Ensure adequate ventilation.
Storage:	Store in a dry, cool and well ventilated place. Keep container closed when not in use. 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:	Powder	Flash Point:	84 °C - closed cup
Color:	White	Specific Gravity/Density:	Not available
Boiling Point:	Not available	Molecular Formula:	C8H6ClN
Freezing/Melting Point:	45 - 48 °C - lit.	Molecular Weight:	151,60

SECTION 10 - STABILITY AND REACTIVITY

Chemical Stability:	Stable under normal temperatures and pressures.
Incompatible Materials:	Strong oxidizing agents, Strong bases
Conditions to avoid:	Incompatible products, Heat, flames and sparks. Extremes of temperature and direct sunlight.
Hazardous Decomposition Products:	Carbon oxides, nitrogen oxides (NO _x), Hydrogen chloride gas, Hydrogen cyanide (hydrocyanic acid)

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:	May cause allergy or asthma symptoms or breathing difficulties if inhaled. Inhalation may cause respiratory irritation. May be harmful if inhaled, swallowed or absorbed through skin. May causes serious eye irritation.
Other:	The toxicological properties have not been fully investigated.

SECTION 12 - ECOLOGICAL INFORMATION

No data available

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:	FLAMMABLE SOLID, ORGANIC, N.O.S. (3-chloro-p-toluenitrile)	FLAMMABLE SOLID, ORGANIC, N.O.S. (3-chloro-p-toluenitrile)	FLAMMABLE SOLID, ORGANIC, N.O.S. (3-chloro-p-toluenitrile)
Hazard Class:	4.1	4.1	4.1
UN Number:	1325	1325	1325
Packing Group:	II	II	II

SECTION 15 - REGULATORY INFORMATION**This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.**

Canadian DSL/NDSL	CAS# 21423-81-4 is not listed on Canada's DSL or NDSL List.
US Federal TSCA	CAS# 21423-81-4 is not listed on the TSCA Inventory. It is for research and development use only.

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.