SAFETY DATA SHEET

According to 1907/2006/EC, Article 31

	Revision number: 2	Revision date: 04/11/2019
SECTION 1: Identification of the	e substance/mixture and of	the company/undertaking
1.1 Product identifiers		
Product name:	4-Chloro-m-cresol	
Product code:	C0150	
1.2 Relevant identified uses of the s Identified uses:	substance or mixture and uses Reagents.	advised against
1.3 Details of the supplier of the sat	fety data sheet	
Supplier:		
TCI EUROPE N.V. Boerenveldseweg 6		
Haven 1063		
B-2070 Zwijndrecht		
Telephone: +32(0)3 735 07	7 00	
E-mail: sales-eu@tcichemi		
1.4 Emergency telephone number:	+32(0)70 245 245	
SECTION 2: Hazards identificat		
2.1 Classification of the substance	or mixture	
Acute toxicity (Oral)		Category 4
Acute toxicity (Dermal)		Category 4
Skin corrosion/irritation		Category 1C
Serious eye damage/eye irritati	on	Category 1
Skin sensitization		Category 1
Specific target organ toxicity -		Respiratory tract irritation
Specific target organ toxicity -	Repeated exposure [Category 2	
Acute aquatic hazard		Category 1
Lower towns on water borneral		
Long-term aquatic hazard		Category 1
		Category 1
2.2 Label elements Pictograms or hazard symbols		Category 1
2.2 Label elements Pictograms or hazard symbols	Danger	
2.2 Label elements Pictograms or hazard symbols	Danger H302+H312-Harmful if swa	llowed or in contact with skin.
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4-Chloro-m-cresol

PBT: vPvB:	Not applicable Not applicable
SECTION 3: Composition/information on ingredients	
3.1 Substances	

3.1 Substances	
Components:	4-Chloro-m-cresol
Percent:	>99.0%(GC)
CAS RN:	59-50-7
EC-No:	200-431-6
Synonyms:	4-Chloro-3-methylphenol
Chemical Formula:	C7H7CIO
SECTION 4: First aid measures	
4.1 Description of first aid measures	
Inhalation:	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.
Skin contact	Remove/Take off immediately all contaminated elething. Conthy week with planty of each and water

Skin contact:	Remove/Take off immediately all contaminated clothing. Gently wash with plenty of soap and water. If
Eye contact:	skin irritation or rash occurs: Get medical advice/attention. Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.
	Continue rinsing. If eye irritation persists: Get medical advice/attention.
Ingestion:	Call a POISON CENTER or doctor/physician if you feel unwell. Rinse mouth.
Protection of first-aiders:	A rescuer should wear personal protective equipment, such as rubber gloves and air-tight goggles.

4.2 Most important symptoms and effects, both acute and delayed No data available

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:	Dry chemical, foam, water spray, carbon dioxide.
5.2 Special hazards arising from the substance or mixture	Carbon monoxide, carbon dioxide etc
5.3 Advice for firefighters	Fire-extinguishing work is done from the windward and the suitable fire-extinguishing method according to the surrounding situation is used. Uninvolved persons should evacuate to a safe place. In case of fire in the surroundings: Remove movable containers if safe to do so. When extinguishing fire, be sure to wear personal protective equipment
SECTION 6: Accidental release me	asures

SECTION 6: Accidental release measures		
6.1 Personal precautions, protective equipment and emergency procedures	Use personal protective equipment. Keep people away from and upwind of spill/leak. Entry to non-involved personnel should be controlled around the leakage area by roping off, etc	
6.2 Environmental precautions	Be careful not to let it flow into rivers, etc., since adverse effects on the environment are concerned	
6.3 Methods and materials for containment and cleaning up	Sweep dust to collect it into an airtight container, taking care not to disperse it. Adhered or collected material should be promptly disposed of, in accordance with appropriate laws and regulations.	
6.4 Reference to other sections	For disposal see section 13.	
SECTION 7: Handling and storage		
7.1 Precautions for safe handling	Handling is performed in a well ventilated place. Wear suitable protective equipment. Prevent	

7.2 Conditions for safe storage,	Keep container tightly closed. Store in a cool, dark and well-ventilated place. Store under inert gas.
including any incompatibilities	Store locked up. Store away from incompatible materials such as oxidizing agents.
	Air-sensitive

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

SECTION 8: Exposure controls/personal protection	
8.1 Control parameters	No data available
8.2 Exposure controls	Install a closed system or local exhaust. Also install safety shower and eye bath.
Respiratory protection:	Dust respirator, self-contained breathing apparatus(SCBA), supplied air respirator, etc. Use respirators approved under appropriate government standards and follow local and national regulations.
Hand protection:	Impervious gloves.
Eye protection: Skin and body protection:	Safety goggles. A face-shield, if the situation requires. Impervious protective clothing. Protective boots, if the situation requires.

SECTION 9: Physical and chemical	
9.1 Information on basic physical and cl Physical state (20°C):	solid
Firysical state (20 C). Form:	Crystal - Powder
Colour:	White - Almost white
Odour:	
	Nearly odorless
pH:	5.6 (saturated H ₂ O soln.)
Melting point/freezing point:	66°C
Boiling point/range:	235°C
Flash point:	No data available
Evaporation rate(Butyl Acetate=1):	No data available
Flammability(solid, gas):	No data available
Flammability or explosive limits:	
Lower:	No data available
Upper:	No data available
Vapour pressure:	6.7 x 10 ⁻³ kPa/20°C
Vapour density:	No data available
Relative density:	No data available
Solubility(ies):	
[Water]	Very slightly soluble (0.38g/100mL, 20°C)
[Other solvents]	
Very soluble:	Many organic solvents
Partition coefficient:	3.10
n-octanol/water:	
Autoignition temperature:	590°C
Decomposition temperature:	No data available
Dynamic Viscosity:	No data available
Kinematic viscosity:	No data available
9.2 Other safety information	No data available

SECTION	10: Stability and	reactivity

10.1 Reactivity	No data available	
10.2 Chemical stability	Stable under proper conditions.	
10.3 Possibility of hazardous reactions	No special reactivity has been reported.	
10.4 Conditions to avoid	No data available	
10.5 Incompatible materials	Oxidizing agents, Acids, Bases, Metals	
10.6 Hazardous decomposition products Carbon monoxide, carbon dioxide etc		

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SECTION 11: Toxicological information

11.1 Information on toxicological effects	6
Acute Toxicity:	orl-rat LD50:1830 mg/kg
	scu-rat LD50:400 mg/kg
Skin corrosion/irritation:	No data available
Serious eye damage/irritation:	No data available
Respiratory or skin sensitization:	No data available
Germ cell mutagenicity:	mmo-sat 25 ug/plate (-S9)
	oms-esc 100 umol/L
Carcinogenicity:	
IARC =	No data available
NTP =	No data available
Reproductive toxicity:	No data available
STOT-single exposure:	No data available
STOT-repeated exposure:	No data available
Aspiration hazard:	No data available
RTECS Number:	GO7100000

SECTION 12: Ecological information

12.1 Toxicity Fish:	48h LC50:4.6 mg/L (Oryzias latipes)
Crustacea:	No data available
Algae:	No data available
12.2 Persistence and degradability	0 % (by BOD) , 2 % (by HPLC) , 2 % (by TOC)
12.3 Bioaccumulative potential	6.7 - 13 (conc. 20 ppb) , 5.5 - 11 (conc. 2 ppb)
12.4 Mobility in soil	
Log Pow:	3.10
Soil adsorption (Koc):	490
Henry's Law (PaM ³/mol):	0.25
12.5 Results of PBT and vPvB assessm	lent
PBT:	Not applicable
vPvB:	Not applicable
12.6 Other adverse effects	No data available

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Recycle to process, if possible. Consult your local regional authorities. You may be able to dissolve or mix material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber system. Observe all federal, state and local regulations when disposing of the substance.

SECTION 14: Transport informati	ion	
14.1 UN number	3437	
14.2 UN proper shipping name		
ADR/RID	Chlorocresols, solid	
IMDG/IMO	Chlorocresols, solid	
ICAO/IATA	Chlorocresols, solid	
14.3 Transport hazard class(es)		
ADR/RID	6.1: Toxic substance	
IMDG/IMO	6.1: Toxic substance	
ICAO/IATA	6.1: Toxic substance	
14.4 Packaging group		
ADR/RID	II	
IMDG/IMO	II	
ICAO/IATA	II	
14.5 Environmental hazards		
Marine pollutant	Y	
14.6 Special precautions for user	No data available	
C0150	4-Chloro-m-cresol	Page 4 of 5

SECTION 15: Regulatory information 15.1 Safety, health and environmental regulations/legislation spe	oific for the substance or mixture
Water Hazard Classes (WGK) : Substance of Very High Concern (SVHC) according to the REACH Regulations (EC) No.1907/2006	Class 2 - Hazard to waters Not listed
15.2 Chemical safety assessment	A chemical safety assessment has not been carried out.
SECTION 16: Other information	

SECTION 16: Other info	rmation	
Prepared by:	TCI EUROPE N.V.	
Issue date:	04/11/2019	

This SDS was prepared sincerely on the basis of the information we could obtained, however, any warranty shall not be given regarding the data contained and the assessment of hazards and toxicity. Prior to use, please investigate not only the hazards and toxicity information but also the laws and regulations of the organization, area and country where the products are to be used, which shall be given the first priority. The products are supposed to be used promptly after purchase in consideration of safety. Some new information or amendments may be added afterwards. If the products are to be used far behind the expected time of use or you have any questions, please feel free to contact us. The stated cautions are for normal handling only. In case of special handling, sufficient care should be taken, in addition to the safety measures suitable for the situation. All chemical products should be treated with the recognition of sharege. The products must be handled only by those who are familiar with specialized knowledge and have experience or under the guidance of those specialists throughout use from opening to storage and disposal. Safe usage conditions shall be set up on each user's own responsibility.

End of Safety Data Sheet