

MATERIAL SAFETY DATA SHEET

SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: METOL GENERAL USE: Chemical processing PRODUCT DESCRIPTION: White to light beige crystals, odorless		CANTON
SUPPLIER'S NAME : CANTON CHEM, INC.	DATE PREPARED: April 4, 2013 SUPERSEDES: New	Page 1 of 4
ADDRESS: 6310 KERNE CT., CLARKSVILLE, MD 21029 (USA)	WWW.CANTONCHEM.COM & WWW.SHANPAR.COM	
PH: 410.531.5671 FAX: 410.531.5736	EMERGENCY TELEPHONE NUMBER Chemtel (800) 255-3924	

SECTION 2 - HAZARDOUS INGREDIENTS

HAZARDOUS COMPONENTS	CAS #	% (by weight)	OSHA PEL		ACGIH TWA		SARA TITLE III	RQ LBS
			PPM	MG/M3	PPM	MG/M3		
4-(Methylamino)phenol sulfate	55-55-0		not established					

SECTION 3 - HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW Crystals, contact with eyes and skin may cause irritation. Material is harmful if swallowed, may cause skin sensitization upon contact. Hazard symbols for this product: Xn, N. Risk Phrases - R 43, 48/22, 51/53						
POTENTIAL HEALTH EFFECTS INHALATION: Inhalation of airborne dust particles is harmful and irritating to respiratory tract. SKIN: Contact with skin may cause irritation. Material is harmful if absorbed through the skin. EYES: Contact with eyes may cause irritation. INGESTION: Material is harmful if swallowed. May cause gastric distress, stomach pains, vomiting and diarrhea.						
CARCINOGENICITY <table style="width: 100%; border: none;"> <tr> <td style="border: none;">NTP?</td> <td style="border: none;">No</td> <td style="border: none;">IARC MONOGRAPHS?</td> <td style="border: none;">No</td> <td style="border: none;">OSHA REGULATED?</td> <td style="border: none;">No</td> </tr> </table>	NTP?	No	IARC MONOGRAPHS?	No	OSHA REGULATED?	No
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SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

VAPOR PRESSURE (MM Hg) Not applicable	VAPOR DENSITY (AIR = 1) Not applicable
SPECIFIC GRAVITY (WATER = 1) 660 kg / m3 (bulk density)	EVAPORATION RATE (WATER = 1) Not applicable
SOLUBILITY IN WATER Appreciable, 50 gms / liter	FREEZING POINT Not determined
pH 3.5 - 4.5 (50 gms / liter aqueous solution)	APPEARANCE AND ODOR White to light beige crystals, odorless
BOILING POINT Not applicable	PHYSICAL STATE Solid
VISCOSITY Solid	VOLATILE ORGANIC COMPOUNDS (Total VOC's) None

SECTION 10 - STABILITY AND REACTIVITY

STABILITY UNSTABLE: STABLE: XXX	CONDITIONS TO AVOID: Avoid generating airborne dust.
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INCOMPATIBILITY (MATERIALS TO AVOID): Strong oxidizers, strong acids.

HAZARDOUS DECOMPOSITION OR BYPRODUCTS: Decomposition will not occur if handled and stored properly. In case of a fire, oxides of carbon, hydrocarbons, nitrogen and sulfur, toxic fumes, and smoke may be produced.

HAZARDOUS POLYMERIZATION MAY OCCUR: WILL NOT OCCUR: XXX	CONDITIONS TO AVOID: None
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SECTION 11 - TOXICOLOGICAL INFORMATION

Hazardous Ingredients	CAS #	EINECS #	LD50 of Ingredient (Specify Species and Route)	LC50 of Ingredient (Specify Species)
4-(Methylamino)phenol sulfate	55-55-0	200-237-1	565 mg / kg Oral - rat	Not established

SECTION 12 - ECOLOGICAL INFORMATION

No data are available on the adverse effects of this material on the environment. Neither COD nor BOD data are available. Based on the chemical composition of this product it is assumed that the mixture can be treated in an acclimatized biological waste treatment plant system in limited quantities. However, such treatment should be evaluated and approved for each specific biological system. None of the ingredients in this mixture are classified as a Marine Pollutant.

SECTION 13 - DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: Dispose of in accordance with Local, State, and Federal Regulations, do not discharge into lakes, ponds, streams or public waters. Product is classified as hazardous waste. Refer to "40 CFR Protection of Environment Parts 260 - 299" for complete waste disposal regulations. Consult your local, state, or Federal Environmental Protection Agency before disposing of any chemicals.

SECTION 14 - TRANSPORT INFORMATION

PROPER SHIPPING NAME: Not Regulated

DOT HAZARD CLASS / Pack Group: Not regulated
 REFERENCE: Not Applicable
 UN / NA IDENTIFICATION NUMBER: None
 LABEL: None Required
 HAZARD SYMBOLS: None

IATA HAZARD CLASS / Pack Group: Not regulated
 IMDG HAZARD CLASS: Not regulated
 RID/ADR Dangerous Goods Code: Not regulated
 UN TDG Class / Pack Group: Not regulated

Note: Transportation information provided is for reference only. Client is urged to consult CFR 49 parts 100 - 177, IMDG, IATA, EC, United Nations TDG, and WHMIS (Canada) TDG information manuals for detailed regulations and exceptions covering specific container sizes, packaging materials and methods of shipping.

SECTION 15 - REGULATORY INFORMATION

TSCA (Toxic Substance Control Act)

All components of this product are listed on the U.S. Toxic Substances Control Act Chemical Inventory (TSCA Inventory) or are exempted from listing because a Low Volume Exemption has been granted in accordance with 40 CFR 723.50.

SARA TITLE III (Superfund Amendments and Reauthorization Act)

311/312 Hazard Categories
Immediate health

313 Reportable Ingredients:
None

CERCLA (Comprehensive Response Compensation and Liability Act)

None

CPR (Canadian Controlled Products Regulations)

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

IDL (Canadian Ingredient Disclosure List)

Components of this product identified by CAS number and listed on the Canadian Ingredient Disclosure List are shown in Section 2.

DSL / NDSL (Canadian Domestic Substances List / Non-Domestic Substances List)

Components of this product identified by CAS number are listed on the DSL or NDSL and may or may not be listed in Section 2 of this document. Only ingredients classified as "hazardous" are listed in Section 2 unless otherwise indicated.

EINECS (European Inventory of Existing Commercial Chemical Substances)

Components of this product identified by CAS numbers are on the European Inventory of Existing Commercial Chemical Substances.

EC Risk Phrases

R43 May cause sensitization by skin contact.
R48/22 Harmful danger of serious damage to health by prolonged exposure if swallowed.
R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

EC Safety Phrases

S37/39 Wear suitable gloves and eye/face protection.
S46 If swallowed, seek medical advice immediately and show this container or label.
S60 This material and its container must be disposed of as hazardous waste.
S61 Avoid release to the environment. Refer to special instructions / safety data sheets.

SECTION 16 - OTHER INFORMATION

Specific toxicity tests have not been conducted on this product. Our hazard evaluation is based on Information from similar products, the ingredients, technical literature, and/or professional experience.

HMIS HAZARD RATINGS	HEALTH	2	0 = INSIGNIFICANT	3 = HIGH
	FLAMMABILITY	0	1 = SLIGHT	4 = EXTREME
	REACTIVITY	0	2 = MODERATE	
PERSONAL PROTECTIVE EQUIPMENT		E	Safety Glasses, Gloves, Dust Respirator	

REVISION SUMMARY:

This MSDS has been revised in the following sections: No revisions available

MSDS Prepared by: Comprehensive Data Base, Inc.
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The information contained herein is believed to be accurate but is not warranted to be so. Data and calculations are based on information furnished by the manufacturer of the product and manufacturers of the components of the product. Users are advised to confirm in advance of need that information is current, applicable and suited to the circumstances of use. Vendor assumes no responsibility for injury to vendee or third persons proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Furthermore, vendor assumes no responsibility for injury caused by abnormal use of this material even if reasonable safety procedures are followed. Any questions regarding this product should be directed to the manufacturer of the product as described in Section 1.