

**OMKAR**

Always the leaders

OMKAR Speciality Chemicals Ltd.

MATERIAL SAFETY DATA SHEET

SECTION 1 : CHEMICAL PRODUCT AND COMPANY IDENTIFICATION	
IDENTIFICATION OF SUBSTANCE	CUPROUS IODIDE
SYNONYM	COPPER IODIDE
NAME OF THE MANUFACTURER	OMKAR SPECIALITY CHEMICALS LTD.
ADDRESS FOR CORRESPONDENCE	F-24, MIDC, Badlapur (E), Dist.Thane - 421503 State: Maharashtra (India)
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SECTION 2 : COMPOSITION AND INFORMATION ON INGREDIENT	
CHEMICAL NAME	CUPROUS IODIDE
CAS NO.	7681-65-4
SARA 313	YES

SECTION 3 : HAZARD IDENTIFICATION	
APPEARANCE	SOLID
EMERGENCY OVERVIEW	IRRITATING / HARMFUL
HMIS / NFPA RATING	HEALTH - 2, FLAMMABILITY - 0, REACTIVITY - 1
POTENTIAL HEALTH EFFECTS	
EYE	IRRITATING TO EYES
SKIN	IRRITATING TO SKIN
INHALATION	IRRITATING TO RESPIRATORY SYSTEM
INGESTION	IRRITATING & HARMFUL IF SWALLOWED

SECTION 4 : FIRST-AID MEASURES

EYE	GET MEDICAL AID IMMEDIATELY. DO NOT ALLOW VICTIM TO RUB EYES OR KEEP EYES CLOSED. IMMEDIATELY FLUSH EYES WITH PLENTY OF WATER ATLEAST FOR 30 MINUTES OCCASIONALLY LIFTING LOWER & UPPER EYELIDS.
SKIN	IMMEDIATELY FLUSH SKIN WITH PLENTY OF WATER, WHILE REMOVING CONTAMINATED CLOTHINGS & SHOES.
INHALATION	REMOVE TO FRESH AIR IMMEDIATELY. IF BREATHING IS DIFFICULT, GIVE OXYGEN. INDUCE ARTIFICIAL RESPIRATION WITH THE AID OF APPROVED RESPIRATORY MEDICAL DEVICE.
INGESTION	IF CONSCIOUS & ALERT, ALLOW VICTIM TO RINSE / WASH MOUTH WITH PLENTY OF WATER & DRINK 2 - 4 CUPFULS OF WATER OR MILK. DO NOT INDUCE VOMITING.

ALWAYS SEEK MEDICAL AID IMMEDIATELY. CONSULT NEAREST POISON CONTROL CENTRE OR PHYSICIAN; WHO IS FAMILIAR WITH CHEMICALS AND ITS AFTER EFFECTS. TREAT SYMPTOMATICALLY ALL FIRST - AID PROCEDURES SHOULD BE PERIODICALLY REVIEWED BY AN EXPERIENCED PHYSICIAN.

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SECTION 5 : FIRE – FIGHTING MEASURES

GENERAL INFORMATION	AS IN ANY FIRE, WEAR A SELF-CONTAINED BREATHING APPARATUS IN PRESSURE DEMAND, MSHA/NIOSH (APPROVED OR EQUIVALENT) & FULL PROTECTIVE GEAR. IRRATING TOXIC GASES MAY BE GENERATED BY THERMAL DECOMPOSITION OR COMBUSTION.
EXTINGUISHING MEDIA	IT SHOULD BE APPROPRIATE TO SURROUNDING FIRE CONDITIONS.
FLASH POINT °C	NOT APPLICABLE
AUTOIGNITION TEMPERATURE °C	NOT APPLICABLE
EXPLOSION LIMITS (LOWER / UPPER)	NOT APPLICABLE

SECTION 6 : ACCIDENTAL RELEASE MEASURES

GENERAL INFORMATION	USE PROPER PERSONAL PROTECTIVE EQUIPMENTS AS INDICATED IN SECTION 8. PROVIDE VENTILLATION.
SPILLS/LEAK	SWEEP-UP MATERIAL. PLACE INTO A SUITABLE LABELED DISPOSAL CONTAINER. AVOID GENERATING DUST. WASH SPILL SITE, AFTER MATERIAL PICK-UP IS COMPLETE. NOTIFY GOVERNMENT OCCUPATIONAL, HEALTH, SAFETY AND ENVIRONMETAL AUTHORITIES. REVIEW FEDERAL / STATE / LOCAL GOVERNMENT AUTHORITIES REQUIREMENT PRIOR TO DISPOSAL.

SECTION 7 : HANDLING & STORAGE

HANDLING	MINIMIZE DUST GENERATION & ACCUMULATION. USE ONLY IN A WELL VENTILATED AREA. USE ALL PROTECTIVE SAFETY EQUIPMENTS. KEEP CONTAINER TIGHTLY CLOSED.
STORAGE	STORE IN A COOL, DRY, WELL – VENTILATED AREA AWAY FROM HEAT, SPARK, OPEN FLAME, SOURCES OF IGNITION, INCOMPATIBLE MATERIALS, CORROSIVE AREA.

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SECTION 8 : EXPOSURE CONTROLS & PERSONAL PROTECTION

EXPOSURE TO THIS MATERIAL CAN BE CONTROLLED IN MANY WAYS. THE MEASURES APPROPRIATE FOR A PARTICULAR WORKSITE DEPEND ON HOW THIS MATERIAL IS USED AND ON TO THE EXTENT OF EXPOSURE. THIS GENERAL INFORMATION CAN BE USED TO HELP DEVELOP SPECIFIC CONTROL MEASURES. ENSURE THAT, THE CONTROL SYSTEMS ARE PROPERLY DESIGNED AND MAINTAINED. AVOID PROLONGED OR REPEATED EXPOSURE. COMPLY WITH OCCUPATIONAL, ENVIRONMENTAL, FIRE AND OTHER APPLICABLE REGULATIONS.

USE ALL PROTECTIVE SAFETY EQUIPMENTS SUCH AS SAFETY GOGGLES, OR EYE GLASS [AS PER OSHA'S EYE & FACE PROTECTION REGULATIONS IN 29CFR 1910.133 OR EUROPEAN STANDARD EN166], PROPER CLOTHINGS, SAFETY SHOES, APPROVED RESPIRATORS THAT MEETS OSHS'S 29CFR 1910.134 & ANSIZ88.2 REQUIREMENTS OR EUROPEAN STANDARD EN 149 REQUIREMENTS. ALL WAYS CLEAN USED SAFETY EQUIPMENT BEFORE REUSE.

ENGINEERING METHODS TO CONTROL EXPOSURE TO WORK PLACE CHEMICALS ARE PREFERRED. METHODS INCLUDE MECHANICAL [LOCAL EXHAUST] VENTILLATION, PROCESS – PERSONNEL ENCLOSURES AND CONTROL OF PROCESS CONDITIONS. ADMINISTRATIVE CONTROL MAY ALSO BE REQUIRED. SUPPLY SUFFICIENT REPLACEMENT AIR TO MAKE – UP FOR AIR REMOVED BY EXHAUST SYSTEM.

FACILITIES SHOULD BE EQUIPPED WITH EYEWASH AND SAFETY SHOWER FACILITIES. APPROPRIATE EQUIPMENTS SHOULD BE AVAILABLE FOR USE IN EMERGENCIES SUCH AS SPILLS OR FIRE EXPOSURE LIMITS.

SECTION 9 : PHYSICAL & CHEMICAL PROPERTIES

APPEARANCE	:	POWDER
MOLECULAR FORMULA	:	CuI
MOLECULAR WEIGHT	:	190.44
MELTING POINT °C	:	ABOUT 605
BOILING RANGE °C	:	NOT AVAILABLE
VAPOUR PRESSURE	:	ABOUT 10 mm Hg at 656 °C
VAPOUR DENSITY	:	NOT AVAILABLE
DENSITY	:	ABOUT 5.62 gm/cm ³
DECOMPOSITION TEMPERATURE °C	:	NOT AVAILABLE
AUTOIGNITION TEMPERATURE °C	:	NOT AVAILABLE
FLASH POINT °C	:	NOT AVAILABLE
EXPLOSION LIMITS (LOWER/UPPER)	:	NOT AVAILABLE

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SECTION 10 : STABILITY & REACTIVITY

CHEMICAL STABILITY	:	STABLE UNDER NORMAL STORAGE CONDITIONS
CONDITIONS TO AVOID	:	INCOMPATIBLE MATERIALS, HEAT, SPARK, FLAME ETC.
INCOMPATIBLE WITH	:	OXIDIZING AGENTS, POTASSIUM, ALKALI METALS.
HAZARDOUS DECOMPOSITION PRODUCTS	:	HYDROGEN IODIDE, COPPER OXIDE
HAZARDOUS POLYMERIZATION	:	WILL NOT OCCUR

SECTION 11 : TOXICOLOGICAL INFORMATION

CHRONIC COPPER POISONING IS TYPIFIED BY HEPATIC CIRRHOSIS, BRAIN DAMAGE & DEMYELINATION, KIDNEY DEFECTS & COPPER DEPOSITION IN THE CORNEA AS EXEMPLIFIED BY HUMANS WITH WILSON'S DISEASE. COPPER POISONING ALSO LEAD TO HEMOLYTIC ANEMIA & ACCELERATES ARTERIOSCLERIOSIS.

TO THE BEST OF OUR KNOWLEDGE, THE PHYSICAL, CHEMICAL AND TOXICOLOGICAL PROPERTIES HAVE NOT BEEN THOROUGHLY INVESTIGATED.

SECTION 12 : ECOLOGICAL INFORMATION

NO DATA AVAILABLE. HOWEVER, DO NOT ALLOW MATERIAL TO BE RELEASED TO THE ENVIRONMENT, WITHOUT PROPER GOVERNMENTAL PERMITS.

SECTION : 13 DISPOSAL CONSIDERATIONS

WASTE GENERATORS MUST DETERMINE WHETHER DISCARDED CHEMICAL WASTE IN CLASSIFIED AS A HAZARDOUS WASTE. US - EPA GUIDE LINES FOR THE CLASSIFICATION DETERMINATION ARE LISTED IN 40 CFR PARTS 261.3. COLLECT ALL THE WASTE IN A WELL COVERED / LEAK PROOF / LABELED CONTAINERS AND REVIEW FEDERAL / STATE / LOCAL GOVERNMENT REQUIREMENT PRIOR TO DISPOSAL.

SECTION : 14 TRANSPORT INFORMATION

THIS SUBSTANCE IS CONSIDERED TO BE NON-HAZARDOUS FOR SEA & AIR TRANSPORT.

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SECTION : 15 REGULATORY INFORMATION

EU ADDITIONAL CLASSIFICATION

SYMBOL & INDICATION OF DANGER : Xn – HARMFUL

US CLASSIFICATION & LABEL TEXT

INDICATION OF DANGER – HARMFUL

US REGULATORY INFORMATION

SARA LISTED : YES

THIS PRODUCT IS SUBJECT TO SARA SECTION 313 REPORTING REQUIREMENTS.

CANADA REGULATORY INFORMATION

DSL – YES , NDSL – NO.

SECTION : 16 ADDITIONAL INFORMATION

THIS DOCUMENT IS INTENDED ONLY AS A GUIDE TO THE APPROPRIATE PRECAUTIONARY HANDLING OF MATERIAL BY A PERSON TRAINED IN CHEMICAL HANDLING. THE USER IS RESPONSIBLE FOR DETERMINING THE PRECAUTIONS & DANGERS OF THIS CHEMICAL FOR HIS OR HER PARTICULAR APPLICATION DEPENDING ON USAGE. ADEQUATE PROTECTIVE CLOTHING, INCLUDING EYE / FACE GUARDS, APPROVED RESPIRATORS MUST BE USED TO AVOID CONTACT WITH THE MATERIAL OR BREATHING CHEMICAL VAPOURS / FUMES.

EXPOSURE TO THIS PRODUCT MAY CAUSE ADVERSE HEALTH EFFECTS. THIS CHEMICAL MAY INTERACT WITH OTHER SUBSTANCES. SINCE THE POTENTIAL USES ARE SO VARIED, M/S. OMKAR SPECIALITY CHEMICALS LTD. CANNOT WARN OF ALL OF THE POTENTIAL DANGERS OF USE OR INTERACTION WITH CHEMICALS OR MATERIALS. M/S. OMKAR SPECIALITY CHEMICALS LTD. WARRANTS THAT, THE CHEMICAL MEETS THE SPECIFICATIONS SET FORTH ON THE TEST REPORT.

M/S. OMKAR SPECIALITY CHEMICALS LTD. DISCLAIMS ANY OTHER WARRANTIES EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR PURPOSE.

THE USER SHOULD RECOGNISE THAT, THIS PRODUCT CAN CAUSE SEVERE INJURY, ESPECIALLY IF IMPROPERLY HANDLED OR THE KNOWN DANGERS OF USE ARE NOT HEEDED.

READ ALL PRECAUTIONARY INFORMATIONS.
