

MATERIAL SAFETY DATA SHEET

SECTION 1 : CHEMICAL PRODUCT AND COMPANY IDENTIFICATION		
IDENTIFICATION OF SUBSTANCE	SODIUM IODIDE	
NAME OF THE MANUFACTURER/ SUPPLIER	OMKAR SPECIALITY CHEMICALS LTD.	
ADDRESS FOR CORRESPONDENCE	F-24, MIDC, Badlapur (E), Dist.Thane - 421503 State: Maharashtra (India)	
TEL.NO.:	91-251-2697340	
FAX NO.:	91-251-2691572	
EMAIL ID:	rishi@bom8.vsnl.net.in / omkarchem@vsnl.com	
SECTION 2 : COMPOSITION AND INFORMATION ON INGREDIENT		
CHEMICAL NAME	CAS NO.	EINECS / ELINCS NO.
SODIUM IODIDE	7681-82-5	231-679-3
SECTION 3 : HAZARD IDENTIFICATION		
APPEARANCE	WHITE SOLID	
TARGET ORGANS	NONE	
POTENTIAL HEALTH EFFECTS		
EYE	CAUSES EYE IRRITATION.	
SKIN	CAUSES SKIN IRRITATION.	
INHALATION	CAUSES RESPIRATORY TRACT IRRITATION.	
INGESTION	CAUSES GASTRO INTESTINAL IRRITATION WITH NAUSEA, VOMITING & INGESTION & IODIDES DURING PREGNANCY HAS RESULTED IN FATAL DEATH, GOITER & CRETINOID APPEARANCE OF THE NEWBORN.	
CHRONIC	PROLONGED OR REPEATED EXPOSURE MAY CAUSE ADVERSE REPRODUCTIVE EFFECTS OF IODISUM CHARACTER- IZED BY SALIVATION, NASAL DISCHARGE, SNEEZING, COUGHING, ACTIVITIES , FEVER, LARYNGITIS, BRONCHITIS, STOMATITIS, SKIN RASHES. ADVERSE EFFECTS HAVE BEEN REPORTED IN ANIMALS.	
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. IRRITATING 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 ENVIRONMENTAL 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. DO NOT EXPOSE TO AIR, LIGHT. STORE UNDER INERT ATMOSPHERE.

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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	: WHITE SOLID
MOLECULAR FORMULA	: NaI
MOLECULAR WEIGHT	: 149.89
VAPOUR PRESSURE	: 1.3 mbar @767°
VAPOUR DENSITY	: NOT AVAILABLE
BOILING POINT °C	: ABOUT 1300@ 760 mm Hg
MELTING POINT °C	: 661 ABOUT
DECOMPOSITION TEMPERATURE °C	: NOT AVAILABLE
SOLUBILITY	: 1790gm / Ltr at 20°C
SPECIFIC GRAVITY	: ABOUT 3.667 g/cm ³

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SECTION 10 : STABILITY & REACTIVITY	
CHEMICAL STABILITY	: STABLE UNDER NORMAL STORAGE CONDITIONS
CONDITIONS TO AVOID	: INCOMPATIBLE MATERIALS, LIGHT, AIR, MOISTURE, WATER ETC.
INCOMPATIBLE WITH	: STRONG OXIDIZING AGENTS.
HAZARDOUS DECOMPOSITION PRODUCTS	: HYDROGEN IODIDE, IODINE, SODIUM OXIDE
HAZARDOUS POLYMERIZATION	: HAS NOT BEEN REPORTED

SECTION 11 : TOXICOLOGICAL INFORMATION	
RTECS # CAS #7681-82-5	WB 6475000
LD 50 / LC 50	
CAS #7681-82-5	
DRAIZE TEST, RABBIT, EYE	: 100mg / 24 H moderate
DRAIZE TEST, RABBIT, SKIN	: 500mg / 24 H moderate
ORAL , MOUSE LD50	: 4340 mg / kg
CARCINOGENICITY	CAS # 7681-82-5, NOT LISTED BY ACGIH, IARC, NTP OR CA PROP 65
EPIDEMIOLOGY	NO INFORMATION AVAILABLE
TERATOGENICITY	SEE RTECS FOR ACTUAL ENTRY
REPRODUCTIVE EFFECTS	SEE RTECS FOR ACTUAL ENTRY
MUTAGENICITY	NO INFORMATION AVAILABLE
NEUROTOXICITY	NO INFORMATION AVAILABLE

SECTION 12 : ECOLOGICAL INFORMATION
THIS CHEMICAL IS EXPECTED TO CAUSE LITTLE OXYGEN DEPLETION IN AQUATIC SYSTEMS. FAT HEAD MINNOW, LC 50: 3200ng/Ltr (94H), WATER FLEA : LC 50: 3.3mg/Ltr (96H) GOLDEN ORFE, LC50-10000 mg/Ltr. THIS CHEMICAL IS NOT LIKELY TO BIOCONCENTRATE.
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 COASTE IN A WELL COVERED / LEAK PROOF / LABELED CONTAINERS AND REVIEW FEDERAL / STATE / LOCAL GOVERNMENT REQUIREMENT PRIOR TO DISPOSAL.

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SECTION : 14 TRANSPORT INFORMATION

THIS PRODUCT IS DECLARED AS NON- HAZARDOUS FOR AIR & SEA TRANSPORT.

SECTION : 15 REGULATORY INFORMATION

US FEDERAL

TSCA	CAS # 7681 - 82 - 5 IS LISTED ON THE TSCA INVENTORY.
HEALTH & SAFETY REPORTAING LIST	NONE OF THE CHEMICALS ARE ON THE HEALTH & SAFETY REPORTING LIST.
CHEMICAL TEST RULES	NONE OF THE CHEMICALS IN THIS PRODUCT ARE UNDER A CHEMICAL TEST RULE.
SECTION 12b	NONE OF THE CHEMICALS ARE LISTED UNDER TSCA SECTION 12b.
TSCA SIGNIFICANT NEW USE RULE	NONE OF THE CHEMICALS IN THIS MATERIAL HAVE A SNUR UNDER TSCA.
CERCLA HAZARDOUS SUBSTANCES & CORRESPONDING RQS	NONE OF THE CHEMICALS IN THIS MATERIAL HAVE AN RQ
SARA SECTION 302 EXTREMELY HAZARDOUS SUBSTANCES	NONE OF THE CHEMICALS IN THIS PRODUCT HAVE A TPQ.
SARA CODES CAS # 7681 - 82 - 5	ACUTE
SECTION 313	NO CHEMICALS ARE REPORTABLE UNDER SECTION 313
CLEAN AIR ACT	THIS MATERIAL DOES NOT CONTAIN ANY HAZAROUS AIR POLLUTANTS & CLASS 1 & 2 OZONE DEPLETORS.
CLEAN WATER ACT	NONE OF THE CHEMICALS IN THIS PRODUCT ARE LISTED AS HAZARDOUS SUBSTANCES PRIORITY POLLUTANTS & TOXIC POLLUTANTS UNDER THE CWA.
OSHA	NONE OF THE CHEMICALS IN THIS PRODUCT ARE CONSIDERED HIGHLY HAZARDOUS BY OSHA.
STATE	CAS # 7681 - 82 - 5 IS NOT PRESENT ON STATE LISTS FROM CA, PA, MN, MA, FL OR NJ
CALIFORNIA PROP 65	CALIFORNIA NO SIGNIFICANT RISK LEVEL : NONE OF THE CHEMICALS IN THIS PRODUCT ARE LISTED.

EUROPEAN / INTERNATIONAL REGULATIONS & LABELING IN ACCORDANCE WITH EC DIRECTIVES

HAZARD SYMBOL : NOT AVAILABLE

CANADA – DSL / NDSL : CAS # 7681-82-5 IS LISTED ON CANADA'S DSL LIST

CANADA – WHMIS : THIS PRODUCT HAS A WHMIS CLASSIFICATION OF D2B

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SECTION : 16 ADDITIONAL INFORMATION

THIS DOCUMENT IS INTENDED ONLY AS A GUIDE TO THE APPROPRIATE PRECAUTIONARY HANDLING OF MATERIAL BY A PERSON TAILED IN CHEMICAL HANDLING. THE USER IS RESPONSIBLE FOR A DETERMING 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 OF 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 HEDEED.

READ ALL PRECAUTIONARY INFORMATIONS.
