

MATERIAL SAFETY DATA SHEET

SECTION 1 : CHEMICAL PRODUCT AND COMPANY IDENTIFICATION	
IDENTIFICATION OF SUBSTANCE	SODIUM METAPERIODATE
SYNONYMS	SODIUM PERIODATE
NAME OF THE MANUFACTURER/ SUPPLIER	OMKAR SPECIALITY CHEMICALS LTD.
ADDRESS FOR CORRESPONDENCE	W-92 (A), MIDC, Badlapur (E), Dist.Thane - 421503 State: Maharashtra (India)
TEL.NO.:	91-251-2690651/2691602/2697319
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SECTION 2 : COMPOSITION AND INFORMATION ON INGREDIENT	
CHEMICAL NAME	SODIUM METAPERIODATE
CAS NO.	7790-28-5
EINECS NO.	232-197-6
HAZARD SYMBOL	Xn- Harmful, O - Oxidizing

SECTION 3 : HAZARD IDENTIFICATION	
APPEARANCE	WHITE CRYSTALLINE SOLID
HMIS RATINGS (SCALE 0-4)	HEALTH - 2 (ACUTE EFFECTS) FLAMMABILITY - 0 REACTIVITY - 2
POTENTIAL HEALTH EFFECTS	
EYE	IRRITATING EFFECT
SKIN	IRRITATING TO SKIN & MUCOUS MEMBRANES. MAY CAUSE SKIN RASH.
INHALATION	IRRITANT TO RESPIRATORY TRACT
INGESTION	IRRITANT TO GASTRO INTENSTINAL TRACT MAY CAUSE NAUSEA, VOMITING, DIARRHEA.

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SECTION 4 : FIRST-AID MEASURES	
EYE	IMMEDIATELY FLUSH EYES WITH PLENTY OF WATER FOR ATLEAST 15 MINUTES OCCASIONALLY LIFTING LOWER & UPPER EYE LIDS.
SKIN	IMMEDIATELY FLUSH SKIN WITH PLENTY OF WATER ATLEAST FOR 15 MINUTES, WHILE REMOVING CONTAMINATED CLOTHINGS, SHOES ETC.
INHALATION	REMOVE TO FRESH AIR IMMEDIATELY. IF BREATHING IS DIFFICULT, GIVE OXYGEN. DO NOT USE MOUTH TO MOUTH RESUSCITATION IF VICTIM HAS INHALED THE SUBSTANCE. INDUCE ARTIFICIAL RESPIRATION WITH APPROVED RESPI- RATORY MEDICAL DEVICE.
INGESTION	NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. DO NOT INDUCE VOMITING. IF CONSCIOUS AND ALERT, ALLOW THE VICTIM TO DRINK 2-4 CUPFULS OF WATER.

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

SECTION 5 : FIRE – FIGHTING MEASURES

GENERAL INFORMATION	AS IN ANY FIRE, WEAR A SELF-CONTAINED BREATHING APPARATUS MSHA/NIOSH (APPROVED OR EQUIVALENT) & FULLY PROTECTIVE GEAR. DURING A FIRE, IRRATING TOXIC GASES MAY BE GENERATED BY THERMAL DECOMPOSITION OR COMBUSTION.
SUITABLE EXTINGUISHING MEDIA	USE DRY CHEMICAL, CO ₂ , WATER SPRAY OR ALCOHOL FOAM OR, IT SHOULD BE APPROPRIATE TO SURROUNDING FIRE CONDITIONS. THIS SUBSTANCE IS AN OXIDIZER AND ITS HEAT OF REACTION WITH REDUCING AGENTS OR COMBUSTIBLES MAY CAUSE IGNITION.

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SECTION 6 : ACCIDENTAL RESEASE MEASURES	
GENERAL INFORMATION	<p>USE PROPER PERSONAL PROTECTIVE SAFETY EQUIPMENTS AS INDICATED IN SECTION 8. PROVIDE VENTILLATION.</p> <p>ISOLATE HAZARD AREA. COLLECT ALL THE MATERIAL IN A SUITABLE LABELED DISPOSAL CONTAINER & NOTIFY GOVERNMENT OCCUPATIONAL HEALTH, SAFETY AND ENVIRONMENTAL AUTHORI-TIES.</p> <p>REVIEW FEDERAL/STATE/LOCAL GOVERNMENT REQUIREMENT PRIOR TO DISPOSAL. SWEEP UP/CLEAN AREA AFTER MATERIAL PICK-UP IS COMPLETED.</p>

SECTION 7 : HANDLING & STORAGE	
HANDLING	USE ONLY IN A WELL VENTILATED AREA. AVOID DUST GENERATION. USE ALL PROTECTIVE SAFETY EQUIPMENTS.
STORAGE	KEEP AWAY FROM HEAT, SPARKS, OPEN FLAME, SOURCES OF IGNITION AND OTHER INCOMPATIBLE MATERIALS. STORE IN A COOL/DRY PLACE TIGHTLY SEALED.

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SECTION 8 : EXPOSURE CONTROL & 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, [AS PER OSHA'S EYE & FACE PROTECTION REGULATIONS IN 29 CFR 1910.133 OR EUROPEAN STANDARD EN166], PROPER CLOTHINGS, SAFETY SHOES, APPROVED RESPIRATORS THAT MEETS OSHAS'S 29CFR 1910.134 & ANSIZ88.2 REQUIREMENTS OR EUROPEAN STANDARD EN 149 REQUIREMENTS. ALWAYS CLEAN USED SAFETY EQUIPMENTS 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

APPERANCE	: WHITE CRYSTALLINE SOLID
MOLECULAR FORMULA	: NaIO_4
MOLECULAR WEIGHT	: 213.90
Melting range °C	: ABOUT 300
FLASH POINT °C	: NOT APPLICABLE
FLAMMABILITY	: MAY CAUSE FIRE IN CONTACT WITH COMBUSTIBLE MATERIAL.
IGNITION TEMPERATURE	: NOT DETERMINED.
DECOMPOSITION TEMPERATURE	: NOT DETERMINED.
SOLUBILITY	: SOLUBLE IN WATER.

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SECTION 10 : STABILITY & REACTIVITY DATA

CHEMICAL STABILITY	: STABLE UNDER NORMAL STORAGE CONDITIONS.
CONDITION TO AVOID	: HEAT, FLAME, SOURCES OF IGNITION, SPARKS, COMBUSTIBLE AND INCOMPATIBLE MATERIALS.
INCOMPATIBILITY WITH	: ORGANIC MATERIAL, REDUCING AGENTS, MAGNESIUM AND FINELY POWDERED METALS.
HAZARDOUS DECOMPOSITION PRODUCTS	: HYDROGEN IODIDE

SECTION 11 : TOXICOLOGICAL INFORMATION

THE TOXICITY OF SODIUM COMPOUNDS IS GENERALLY DUE TO THE ANION. IODATES ARE STRONG IRRITANTS TO THE EYES, SKIN, RESPIRATORY AND GASTROINTESTINAL TRACT. TO THE BEST OF OUR KNOWLEDGE, THE ACUTE AND CHRONIC TOXICITY OF THIS SUBSTANCE IS NOT FULLY KNOWN. NO CLASSIFICATION DATA ON CARCINOGENIC PROPERTIES OF THIS MATERIAL IS AVAILABLE FROM THE EPA, IARC, NTP, OSHA OR ACGIH.

SINCE THE MANNER IN WHICH EXPOSURE LIMITS ARE ESTABLISHED, INTERPRETED, IMPLEMENTED CAN VARY, OBTAIN DETAILED INFORMATION FROM APPROPRIATE AGENCIES IN EACH JURISDICTION.

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 IS 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.

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SECTION : 14 TRANSPORT INFORMATION

PROPER SHIPPING NAME	OXIDIZING SOLID, N.O.S.
UN NO	1479
PACKING GROUP	III
HAZARD CLASS	5.1
IMDG NO.	5163
EMS NO.	5.1 - 11
MFAG NO.	760

SECTION : 15 REGULATORY INFORMATION

ALL COMPONENTS OF THIS PRODUCT ARE LISTED IN U.S. ENVIRONMENTAL PROTECTION AGENCY TOXIC SUBSTANCES CONTROL ACT CHEMICAL SUBSTANCE INVENTORY.

PLEASE REFER TO SECTION 3, 4, 8 OF MSDS.

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 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 HEEDED.

"READ ALL PRECAUTIONARY INFORMATIONS. "
