



# OMKAR Speciality Chemicals Limited

## MATERIAL SAFETY DATA SHEET HYDROIODIC ACID

SECTION 1 : CHEMICAL PRODUCT AND COMPANY IDENTIFICATION	
IDENTIFICATION OF SUBSTANCE	Hydrogen Iodide
SYNONYM	Hydrogen iodide solution, Hydriodic acid, HI
NAME OF THE MANUFACTURER/ SUPPLIER	OMKAR SPECIALITY CHEMICALS LTD.
ADDRESS FOR CORRESPONDENCE	w-92(A), Unit- I, MIDC, Badlapur (E), Dist.Thane – 421503 State: Maharashtra (India)
TEL.NO.	91-251-2698840
FAX NO.:	91-251-2691662

SECTION 2 : COMPOSITION AND INFORMATION ON INGREDIENT	
CHEMICAL NAME	Hydrogen Iodide
CAS NO.	10034-85-2

SECTION 3 : HAZARD IDENTIFICATION	
Nonflammable, colorless and corrosive gas. Contact with this product can cause irritation and burns to eyes, skin and mucous membranes. Inhalation is irritating to the lungs and may lead to chemical pneumonitis and pulmonary edema, which could be fatal. Prompt medical attention is mandatory in all Cases of overexposure.	
POTENTIAL HEALTH EFFECTS	
EYE	Corrosive to eyes. Causes burns.
SKIN	Corrosive to the skin. Causes burns.
INHALATION	Toxic by inhalation. Corrosive to the respiratory system.
INGESTION	May cause burns to mouth, throat and stomach.

### SECTION 4 : FIRST-AID MEASURES

EYE	Check for and remove any contact lenses. Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical attention immediately.
SKIN	In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Clean shoes thoroughly before reuse. Get medical attention immediately.
INHALATION	Move exposed person to fresh air. If not breathing, if breathing is irregular or if Respiratory arrest occurs; provide artificial respiration or oxygen by trained personnel. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention immediately.
INGESTION	Wash out mouth with water. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention immediately.

ALWAYS SEEK MEDICAL AID IMMEDIATELY. CONSULT NEAREST POISON CONTROL CENTRE OR PHYSICIAN; WHO IS FAMILIAR WITH CHEMICALS AND IT'S AFTER EFFECTS. TREAT BY AN EXPERIENCED PHYSICIAN.

## SECTION 5 : FIRE – FIGHTING MEASURES

Flammability of the product	Non-flammable.
Products of combustion	Decomposition products may include the following materials: halogenated compounds
EXTINGUISHING MEDIA	Use an extinguishing agent suitable for the surrounding fire.
FLASH POINT °C	NOT APPLICABLE
AUTOIGNITION TEMPERATURE °C	NOT APPLICABLE
EXPLOSION LIMITS ( LOWER / UPPER )	NOT APPLICABLE

## SECTION 6 : ACCIDENTAL RELEASE MEASURES

Personal precautions	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Do not breathe vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment
Environmental precautions	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
Methods for cleaning up	Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations

## SECTION 7 : HANDLING & STORAGE

HANDLING	Put on appropriate personal protective equipment (Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Do not ingest. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.
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STORAGE	Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.
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## SECTION 8 : EXPOSURE CONTROLS & PERSONAL PROTECTION

Recommended monitoring procedures	If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment.
Engineering measures	Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.
Hygiene measures	Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.
Personal protection in case of a large spill	Full chemical-resistant suit and self-contained breathing apparatus should be worn only by trained and authorized persons.

## SECTION 9 : PHYSICAL & CHEMICAL PROPERTIES

PHYSICAL STATE	:	YELLOWISH LIQUID
COLOR	:	YELLOW OR BROWN.
ODOR	:	ACRID.
MOLECULAR WEIGHT	:	127.91 G/MOLE
MOLECULAR FORMULA	:	H-I
BOILING/CONDENSATION POINT	:	126.8°C (260.2°F)
SPECIFIC GRAVITY	:	NOT AVAILABLE
DENSITY	:	NOT AVAILABLE
AUTOIGNITION TEMPERATURE °C	:	NOT AVAILABLE
EXPLOSION LIMITS ( LOWER/UPPER )	:	NOT AVAILABLE

## SECTION 10 : STABILITY & REACTIVITY

CHEMICAL STABILITY	:	THE PRODUCT IS STABLE.
INCOMPATIBLE WITH	:	HIGHLY REACTIVE OR INCOMPATIBLE WITH THE FOLLOWING MATERIALS: METALS AND MOISTURE.
HAZARDOUS DECOMPOSITION PRODUCTS	:	UNDER NORMAL CONDITIONS OF STORAGE AND USE, HAZARDOUS DECOMPOSITION PRODUCTS SHOULD NOT BE PRODUCED.
HAZARDOUS POLYMERIZATION	:	UNDER NORMAL CONDITIONS OF STORAGE AND USE, HAZARDOUS POLYMERIZATION WILL NOT OCCUR.

## SECTION 11 : TOXICOLOGICAL INFORMATION

Chronic effects on humans	MAY CAUSE DAMAGE TO THE FOLLOWING ORGANS: MUCOUS MEMBRANES, DIGESTIVE SYSTEM, UPPER RESPIRATORY TRACT, SKIN, EYES.
Other toxic effects on humans	HAZARDOUS BY THE FOLLOWING ROUTE OF EXPOSURE: OF SKIN CONTACT (CORROSIVE), OF EYE CONTACT (CORROSIVE), OF INHALATION (LUNG CORROSIVE).
Carcinogenic effects	NO KNOWN SIGNIFICANT EFFECTS OR CRITICAL HAZARDS.
Mutagenic effects	NO KNOWN SIGNIFICANT EFFECTS OR CRITICAL HAZARDS.
Reproduction toxicity	NO KNOWN SIGNIFICANT EFFECTS OR CRITICAL HAZARDS.

## 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

The generation of waste should be avoided or minimized wherever possible. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe way. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any byproducts should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.



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SECTION: 14 TRANSPORT INFORMATION
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THIS SUBSTANCE IS CONSIDERED TO BE NON-HAZARDOUS FOR SEA & AIR TRANSPORT

SECTION : 15 REGULATORY INFORMATION
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HCS Classification	Toxic material Corrosive material Target organ effects
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SECTION : 16 ADDITIONAL INFORMATION
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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.

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