MATERIAL SAFETY DATA SHEET

Section 1 - Product and Company Information
Product Name 2-IODOBENZOIC ACID
MANUFACTURER’S NAME / SUPPLIER’S NAME: M/S. OMKAR SPECIALITY CHEMICLAS LTD.
ADDRESS: F-24, MIDC, BADIAPUR, DIST.: THANE - 421 503, MAHARASHTRA STATE, INDIA.
TEL NO: 91-251-2697340/2690651
FAX NO: 91-251-2691572
E-MAIL: info@omkarchemicals.com

Section 2 - Composition/Information on Ingredient
Substance Name CAS # SARA 313
2-IODOBENZOIC ACID 88-67-5 No
Formula C7H5IO2
Synonyms Benzoic acid, 2-ido- (9CI) * o-Iodobenzoic acid
* 2-Iodobenzoic acid * Kyselina o-jodbenzoova
(Czech) * USAF EK-572
RTECS Number: DH2975000

Section 3 - Hazards Identification
EMERGENCY OVERVIEW
Harmful.
Harmful if swallowed. Irritating to respiratory system and skin.
Risk of serious damage to eyes.
Target organ(s): Thyroid.
HMIS RATING
HEALTH: 2*
FLAMMABILITY: 0
REACTIVITY: 0
NFPA RATING
HEALTH: 2
FLAMMABILITY: 0
REACTIVITY: 0
*additional chronic hazards present.
For additional information on toxicity, please refer to Section 11.
Section 4 - First Aid Measures

ORAL EXPOSURE
If swallowed, wash out mouth with water provided person is conscious. Call a physician.

INHALATION EXPOSURE
If inhaled, remove to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen.

DERMAL EXPOSURE
In case of skin contact, flush with copious amounts of water for at least 15 minutes. Remove contaminated clothing and shoes. Call a physician.

EYE EXPOSURE
In case of contact with eyes, flush with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Call a physician.

Section 5 - Fire Fighting Measures

FLASH POINT : N/A
AUTOIGNITION TEMP : N/A
FLAMMABILITY : N/A
EXTINGUISHING MEDIA
Suitable: Water spray. Carbon dioxide, dry chemical powder, or appropriate foam.

FIREFIGHTING
Protective Equipment: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes. Specific Hazard(s): Emits toxic fumes under fire conditions.

Section 6 - Accidental Release Measures

PROCEDURE TO BE FOLLOWED IN CASE OF LEAK OR SPILL
Evacuate area.

PROCEDURE(S) OF PERSONAL PRECAUTION(S)
Wear respirator, chemical safety goggles, rubber boots, and heavy rubber gloves.

METHODS FOR CLEANING UP
Sweep up, place in a bag and hold for waste disposal. Avoid raising dust. Ventilate area and wash spill site after material pickup is complete.

Section 7 - Handling and Storage

HANDLING
User Exposure: Do not breathe dust. Avoid contact with eyes, skin, and clothing. Avoid prolonged or repeated exposure.

STORAGE
Suitable: Keep tightly closed. Handle and store under nitrogen. SPECIAL REQUIREMENTS Handle and store under inert gas.
Section 8 - Exposure Controls / PPE

ENGINEERING CONTROLS
Safety shower and eye bath. Mechanical exhaust required.

PERSONAL PROTECTIVE EQUIPMENT
Respiratory: Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU). Where risk assessment shows air-purifying respirators are appropriate use a dust mask type N95 (US) or type P1 (EN 143) respirator.

Hand: Compatible chemical-resistant gloves.

Eye: Chemical safety goggles.

GENERAL HYGIENE MEASURES
Wash thoroughly after handling.

Section 9 - Physical/Chemical Properties

Appearance Physical State : Solid
Color : Light brown
Form : Powder

Property Value At Temperature or Pressure
Molecular Weight : 248.02 AMU
pH : N/A
BP/BP Range : N/A
MP/MP Range : 161 °C
Freezing Point : N/A
Vapor Pressure : N/A
Vapor Density : N/A
Saturated Vapor Conc. : N/A
SG/Density : N/A
Bulk Density : N/A
Odor Threshold : N/A
Volatile% : N/A
VOC Content : N/A
Water Content : N/A
Solvent Content : N/A
Evaporation Rate : N/A
Viscosity : N/A
Surface Tension : N/A
Partition Coefficient : N/A
Decomposition Temp. : N/A
Flash Point : N/A
Explosion Limits : N/A
Flammability : N/A
Autoignition Temp : N/A
Refractive Index : N/A
Optical Rotation : N/A
Miscellaneous Data : N/A
Solubility : N/A

N/A = not available

Cont..4..
Section 10 - Stability and Reactivity

STABILITY
Stable: Stable.
Materials to Avoid: Oxidizing agents.

HAZARDOUS DECOMPOSITION PRODUCTS
Hazardous Decomposition Products: Carbon monoxide, Carbon dioxide, Iodine, Hydrogen iodide.

HAZARDOUS POLYMERIZATION
Hazardous Polymerization: Will not occur

Section 11 - Toxicological Information

ROUTE OF EXPOSURE
Skin Contact: Causes skin irritation.
Skin Absorption: May be harmful if absorbed through the skin.
Eye Contact: Causes severe eye irritation.
Inhalation: Material is irritating to mucous membranes and upper respiratory tract. May be harmful if inhaled.
Ingestion: Harmful if swallowed.

TARGET ORGAN(S) OR SYSTEM(S)
Thyroid.

SIGNS AND SYMPTOMS OF EXPOSURE
To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.
Prolonged exposure to iodides may produce iodism in sensitive individuals. Symptoms of exposure include: skin rash, running nose, headache and irritation of the mucous membrane. For severe cases the skin may show pimples, boils, hives, blisters and black and blue spots. Iodides are readily diffused across the placenta. Neonatal deaths from respiratory distress secondary to goiter have been reported. Iodides have been known to cause drug-induced fevers, which are usually of short duration.
Symptoms of exposure may include burning sensation, coughing, wheezing, laryngitis, shortness of breath, headache, nausea, and vomiting.

TOXICITY DATA
Oral Mouse
1500 mg/kg LD50
Intraperitoneal Mouse
200 MG/KG LD50
Section 12 - Ecological Information
No data available.

Section 13 - Disposal Considerations
APPROPRIATE METHOD OF DISPOSAL OF SUBSTANCE OR PREPARATION
Contact a licensed professional waste disposal service to
dispose of this material. Dissolve or mix the material with a
combustible solvent and burn in a chemical incinerator
equipped with an afterburner and scrubber. Observe all
federal, state, and local environmental regulations.

Section 14 - Transport Information
DOT
Proper Shipping Name: None
Non-Hazardous for Transport: This substance is considered to
be non-hazardous for transport.

IATA
Non-Hazardous for Air Transport: Non-hazardous for air
transport.

Section 15 - Regulatory Information
EU ADDITIONAL CLASSIFICATION
Symbol of Danger : Xn
Indication of Danger : Harmful.
R : 22-37/38-41
Risk Statements: Harmful if swallowed. Irritating to respiratory system and skin. Risk
of serious damage to eyes.
S : 26-39
Safety Statements: In case of contact with eyes, rinse immediately with plenty of water
and seek medical advice. Wear eye/face protection.

US CLASSIFICATION AND LABEL TEXT
Indication of Danger : Harmful.
Risk Statements : Harmful if swallowed. Irritating to respiratory system and skin. Risk
of serious damage to eyes.
Safety Statements: In case of contact with eyes, rinse immediately with plenty of water
and seek medical advice. Wear suitable protective clothing and eye/face protection.

UNITED STATES REGULATORY INFORMATION
SARA LISTED : No
TSCA INVENTORY ITEM : Yes
CANADA REGULATORY INFORMATION
WHMIS Classification: This product has been classified in
accordance with the hazard criteria of the CPR, and the MSDS
contains all the information required by the CPR.

DSL : Yes
NDSL : No
Section 16 - Other Information

DISCLAIMER
THIS DOCUMENT IS INTENDED ONLY AS A GUIDE TO THE APPROPRIATE PRECAUTIONARY HANDLING OF MATERIAL BY A PERSON TAIRED 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.

******************************************************************************