

Suite # 205,Sigma Prime, Second Floor Nr. Sardar Patel Statue Vallabh Vidyanangar, Dist. Anand - 388 121 Gujarat.India.
Tele/Fax:++91-2692-238849, 238850
Email:info@infiniumpharmachem.com infinium\_11@yahoo.com
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R.O. & Factory Address:-Plot No.38 - 39 GIDC Sojitra - 387240 Dist. Anand Gujarat - India Tel / Fax :++91-2697- 234987

### A MATERIAL SAFETY DATA SHEET

### ZINC IODIDE

### 1.1 Product Identifiers:

**Product Name** Zinc Iodide

CAS No 10139-47-6

# 1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified uses: Laboratory chemicals, Manufacture of substances

# 1.3 Details of the supplier of the safety data sheet

**Supplier:** Infinium Pharmachem Pvt. Ltd. (AN ISO 9001:2008 CERTIFIEDCO.)

38, G.I.D.C, Sojitra

Dist: ANAND

Gujarat, India

Tel 0091-2697-234987

Fax 0091-2697-234987

Email: info@infiniumpharmachem.com

**Synonyms** : Zinc diiodide, Diiodozinc

CAS No. : 10139-47-6

**Molecular Weight** : 319.20 g/mol

**Chemical Formula** :  $I_2Zn$ 



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### 3.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [EU-GHS/CLP]

Skin corrosion (Category 1B)

Classification according to EU Directives 67/548/EEC or 1999/45/EC

Causes burns.

#### 3.2 Label elements

Labeling according Regulation (EC) No 1272/2008



Pictogram

Signal word

Danger

Hazard statement(s)

H314

Causes severe skin burns and eye damage.

Precautionary statement(s)

P280

Wear protective gloves/ protective clothing/ eye protection/

face protection.

P305 + P351 + P338

IF IN EYES: Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue

rinsing.

P310

Immediately call a POISON CENTER or doctor/ physician.

Supplemental Hazard

None

Statements

According to European Directive 67/548/EEC as amended.

R-phrase(s)

R34

Causes burns.



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S-phrase(s)

S26 In case of contact with eyes, rinse immediately with plenty of water

and seek medical advice.

Wear suitable protective clothing, gloves and eye/face protection. S36/37/39

In case of accident or if you feel unwell, seek medical advice S45

immediately (show the label where possible).

#### 3.3 Other hazards

None

# 4.1 Description of first aid measures

General Advice

Consult a physician. Show this safety data sheet to the doctor in attendance.

If inhaled

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

In case of skin contact

Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water. Consult a physician.

In case of eye contact

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

If swallowed

Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

### 4.2 Most Important symptoms & efforts, both acute and delayed

Cough, Shortness of breath, headache, Nausea, Vomiting

# 4.3 Indication of any immediate medical attention and special treatment needed

No data available



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# 5.1 Extinguishing Media:

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

# 5.2 Special hazards arising from the substance or mixture

Hydrogen Iodide, Zinc/zinc oxides.

### 5.3 Advice for firefighters

Wear self contained breathing apparatus for fighting if necessary.

### **5.4 Further Information**

No data available.

# 6.1 Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Avoid dust formation. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust. For personal protection see section 8.

### **6.2** Environmental precautions

Do not let product enter drains.

### 6.3 Methods and materials for containment and cleaning up

Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

#### 6.4 Reference to other sections

For disposal see section 13

### 7.1 Precautions for safe Handling

Avoid formation of dust and aerosols.

Provide appropriate exhaust ventilation at places where dust is formed.

7.2 Conditions for safe Storage, including any incompatibilities



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Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Air and light sensitive. Hygroscopic.

### 7.3 Specific end uses

No data available.

### 8.1 Control parameters

# **Components with workplace control Parameters.**

### 8.2 Exposure Controls

### **Appropriate engineering controls**

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

# Personal protective equipment

### **Eye/face protection**

Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

# Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices.

Wash and dry hands.

The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it

### **Body Protection**

Complete suit protecting against chemicals, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

### Respiratory protection

Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N100 (US) or type P3 (EN 143) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a



full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

# 9.1 Information on Basic physical & chemical properties

a) Anneavance	Forms nowdon
a) Appearance	Form: powder
b) Odor	no data available
c) Odor Threshold	no data available
d) pH	5.6 at 50 g/l at 20 °C
e) Melting point/freezing	Melting point/range: 445 °C - lit
Point	5.
f) Initial boiling point and	no data available
Boiling range	
g) Flash point	no data available
h) Evaporation rate	no data available
i) Flammability (solid, gas)	no data available
j) Upper/lower	no data available
Flammability or explosive limits	
k) Vapor pressure	no data available
l) Vapor density	no data available
m) Relative density	4.74 g/ml at 25 °C
n) Water solubility	no data available
o) Partition coefficient: n-octanol/water	no data available
p) Auto ignition	no data available
Temperature	
q) Decomposition	no data available
Temperature	
r) Viscosity	no data available
s) Explosive properties	no data available
t) Oxidizing properties	no data available
, Oi i	

### 9.2 Other safety Information

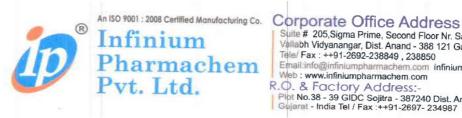
No data available

# 10.1 Reactivity

no data available

# 10.2 Chemical stability

No data available



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# 10.3 Possibility of hazardous reactions

no data available

#### 10.4 Conditions to avoid

Air, light, and moisture sensitive.

### 10.5 Incompatible materials

Potassium, Strong acids

# 10.6 Hazardous decomposition products

Other decomposition products - no data available

# 11.1 Information on toxicological effects

### **Acute toxicity**

No data available

### Skin corrosion/irritation

no data available

# Serious eye damage/eye irritation

no data available

## Respiratory or skin sensitization

no data available

### Germ cell mutagenicity

no data available

# Carcinogenicity

IARC:

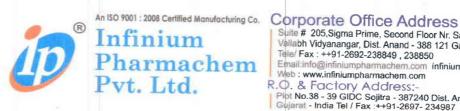
No component of this product presents at levels greater than or equal to 0.1%

is identified as probable, possible or confirmed human carcinogen by IARC.

### Reproductive toxicity

no data available

Overexposure may cause reproductive disorder(s) based on tests with laboratory animal



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# Specific target organ toxicity - single exposure

no data available

# **Specific target organ toxicity - repeated exposure**

no data available

# **Aspiration hazard**

no data available

### Potential health effects

Inhalation May be harmful if inhaled. Material is extremely destructive to the

tissue of the mucous membranes and upper respiratory tract.

Ingestion May be harmful if swallowed. Causes burns.

Skin May be harmful if absorbed through skin. Causes skin burns.

Causes eye burns. **Eyes** 

# Signs and Symptoms of Exposure

Cough, Shortness of breath, Headache, Nausea, Vomiting

### **Additional Information**

RTECS: Not available

# 12.1 Persistence and degradability

no data available

### 12.2 Bioaccumulative potential

no data available

### 12.3 Mobility in soil

no data available

### 12.4 Results of PBT and vPvB assessment

No data available.

### 12.5 Toxicity

No data available.



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### 12.6 Other adverse effects

No data available

#### 13.1 Waste treatment methods

### **Product**

Offer surplus and non-recyclable solutions to a licensed disposal company. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

# Contaminated packaging

Dispose of as unused product.

#### 14. TRANSPORT INFORMATION

14.1 UN number

IMDG: -3260 IATA: -3260 ADR/RID: -3260

14.2 UN proper shipping name

ADR/RID CORROSIVE SOLID, ACIDIC, INORGANIC, N.O.S. (Zinc iodide) CORROSIVE SOLID, ACIDIC, INORGANIC, N.O.S. (Zinc iodide) **IMDG** 

corrosive solid, acidic, inorganic, n.o.s. (zinc iodide) **IATA** 

14.3 Transport hazard class(es)

IMDG: - 8 IATA: - 8 ADR/RID: -8

14.4 Packaging group

IMDG: -III ADR/RID: - III IATA: III

14.5 Environmental hazards

ADR/RID: no IMDG Marine pollutant: no IATA: no

### 14.6 Special precautions for user

no data available

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

# 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

no data available

### 15.2 Chemical Safety Assessment



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no data available

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