

SAFETY DATA SHEET IODINE INDICATOR

According to Regulation (EC) No 1907/2006, Annex II

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name IODINE INDICATOR

Product number 1335

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

Identified uses Laboratory chemicals

Uses advised against None stated, but advisable to use only for intended purpose.

1.3. Details of the supplier of the safety data sheet

Supplier

Reagent Chemical Services
 18 Aston Fields Road
 Whitehouse Industrial Estate
 Runcorn
 Cheshire WA7 3DL

T: 01928 716903 (08.30 - 17.00)

F: 01928 716425

E: info@reagent.co.uk

1.4. Emergency telephone number

Emergency telephone OHES Environmental Ltd 24-7
 Tel. 0333 333 9939 (24 hour)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

Physical hazards Not Classified

Health hazards Not Classified

Environmental hazards Not Classified

Human health Dust may irritate the eyes and the respiratory system.

Environmental The product is not expected to be hazardous to the environment.

Physicochemical There are no expected hazards with the product in normal use.

2.2. Label elements

Hazard statements NC Not Classified

2.3. Other hazards

This substance is not classified as PBT or vPvB according to current EU criteria.

IODINE INDICATOR

SECTION 3: Composition/information on ingredients

SECTION 4: First aid measures

4.1. Description of first aid measures

General information	Although not classified as hazardous, any actions should be appropriate to handling incidents involving chemicals. The following information is given as general first aid advice. CAUTION! First aid personnel must be aware of own risk during rescue! Always consider any dangers in the vicinity before approaching to treat the casualty. First aid personnel must protect themselves with all necessary personal protective equipment during the assistance of casualties. When breathing is difficult, properly trained personnel may assist the casualty by administering oxygen. Place unconscious person on the side in the recovery position and ensure breathing can take place. Check airway for any blockages. Never give anything by mouth to an unconscious person. If breathing has stopped perform CPR. If medical assistance is needed take as much detail as possible about the incident and hazardous materials involved with the casualty.
Inhalation	Remove from exposure. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. In case of severe exposure or if any discomfort continues get medical attention.
Ingestion	Rinse mouth thoroughly with plenty of water. Do not induce vomiting. Get medical attention if any discomfort continues.
Skin contact	As a general precaution remove contaminated clothing and wash the skin with plenty of water. Get medical attention if any discomfort continues.
Eye contact	Promptly wash eyes with plenty of water or eyewash solution while lifting the eyelids. Remove contact lenses if possible. Get medical attention if any discomfort continues.

4.2. Most important symptoms and effects, both acute and delayed

General information	The severity of the symptoms described will vary dependent on the concentration and the length of exposure. Although classified as non-hazardous, the following are given as possible effects.
Inhalation	May irritate the respiratory system and cause coughing.
Ingestion	May cause discomfort if swallowed. Nausea, vomiting.
Skin contact	May produce irritation in people with sensitive skin.
Eye contact	May cause temporary eye irritation.

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

Notes for the doctor	No specific recommendations. If in doubt, get medical attention promptly. Have facilities in place to wash skin and eyes in case of exposure.
-----------------------------	---

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	Use fire-extinguishing media suitable for the surrounding fire. Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog.
Unsuitable extinguishing media	Do not use water jet as this can spread the fire. Do not use carbon dioxide in enclosed spaces with insufficient ventilation.

5.2. Special hazards arising from the substance or mixture

Specific hazards	Fire may produce irritating vapours or fumes. No unusual fire or explosion hazards noted.
-------------------------	---

IODINE INDICATOR

Hazardous combustion products	The product is not combustible but may decompose in the event of a fire.
5.3. Advice for firefighters	
Protective actions during firefighting	Evacuate and keep non-emergency personnel away from the fire area until it is properly extinguished with no danger of re-ignition. Be aware of dangers from other hazardous substances in the immediate area. Prevent run-off from entering drains and watercourses.
Special protective equipment for firefighters	Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions	The information given in section 6 is general advice, precautions and procedures should reflect the extent of a spillage and the situation. Use personal protective equipment appropriate to the situation. Avoid generation and spreading of dusts during clean up operations. Avoid ingestion of the product, inhalation of dusts and contact with skin and eyes when treating spillages. Non-emergency personnel should be kept away from the area of spillage.
-----------------------------	--

6.2. Environmental precautions

Environmental precautions	No environmental damage is expected however avoid unauthorised discharge to the environment. Clean up any spillages immediately, prevent material from spreading and entering drains or sewage systems.
----------------------------------	---

6.3. Methods and material for containment and cleaning up

Methods for cleaning up	Avoid generation and spreading of dust. Dampen spillage with water or use other compatible dust suppressing agent if dusts are generated. Collect with shovel or use special dust vacuum cleaner fitted with particulate filter. Collect and place in suitable waste disposal containers and seal securely. For waste disposal, see Section 13.
--------------------------------	---

6.4. Reference to other sections

Reference to other sections	Refer to sections 8 and 13 for additional information.
------------------------------------	--

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions	Avoid spilling the product. Avoid ingestion, inhalation and contact with skin and eyes.
--------------------------	---

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions	Do not leave storage containers exposed to the atmosphere as this may result in loss of contents or contamination. Store away from heat, direct sunlight and moisture. Avoid freezing conditions.
----------------------------	---

Storage class	Chemical storage.
----------------------	-------------------

7.3. Specific end use(s)

Specific end use(s)	The identified uses for this product are detailed in Section 1.2.
----------------------------	---

Usage description	Use product under conditions described in this datasheet. Avoid exposure of operators and others who may be affected by its use. Avoid overuse of the product which would create waste and potential spillages. Always use recommended personal protective equipment. Only use the product for its intended use in a safe manner, do not use for other purposes.
--------------------------	--

SECTION 8: Exposure Controls/personal protection

IODINE INDICATOR

8.1. Control parameters

Occupational exposure limits

Long-term exposure limit (8-hour TWA): WEL 10 mg/m³ inhalable dust

Long-term exposure limit (8-hour TWA): WEL 4 mg/m³ respirable dust

WEL = Workplace Exposure Limit

DNEL No information available for DNEL of the substance. Not supplied from manufacturer.

PNEC No information available for PNEC of the substance. Not supplied by manufacturer.

8.2. Exposure controls

Appropriate engineering controls If dusts are generated then ensure adequate ventilation and appropriate extraction facilities are in place to avoid occupational exposure.

Eye/face protection Wear safety glasses with eye shields. It is recommended that eye protection conforms to EN 166.

Hand protection Wear protective gloves. Rubber or plastic. Disposable gloves may be adequate for the situation. Gloves showing signs of degradation should be changed to avoid skin contamination. Gloves should carry the CE mark and conform to BS EN 374, chemicals and micro-organisms. Be aware that latex gloves can produce an allergic reaction in sensitive individuals.

Other skin and body protection Although classified as non-hazardous it is advisable to wear clothing suitable for handling chemicals. Protective clothing should conform to the general requirements of EN 340:2003. Also consider EN 13034:2005; EN 14605:2005; EN 943:2002 dependent upon the situation resulting in exposure.

Hygiene measures Always perform a suitable and sufficient risk assessment. The following information is given as general advice. Wash at the end of each work shift and before eating, smoking and using the toilet. When using do not eat, drink or smoke. Remove contaminated clothing when entering eating areas or other places that could lead to contamination of others with the product.

Respiratory protection Wear suitable dust respirator if dusts are generated and there is insufficient ventilation or extraction. Particulate filter type P2. Respiratory protection should conform to the following standards. BS EN 143: Particulates.

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance Powder

Colour White/off-white.

Odour No characteristic odour.

Solubility(ies) Soluble in water.

9.2. Other information

Other information All available information has been included in section 9.1.

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity There are no known reactivity hazards associated with this product.

10.2. Chemical stability

Stability Stable at normal ambient temperatures.

IODINE INDICATOR

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions Not known. Will not polymerise.

10.4. Conditions to avoid

Conditions to avoid Avoid heat, direct sunlight and moisture. Avoid contact with any incompatible materials. Avoid storage in an unstable manner or in a situation that would result in exposure to the product. Avoid leaving the container open when not in use. Avoid transfer to an incompatible container.

10.5. Incompatible materials

Materials to avoid Acids. Bases. Oxidising agents.

10.6. Hazardous decomposition products

Hazardous decomposition products None anticipated at normal temperatures. See section 5 for thermal decomposition products.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Toxicological effects The product is not classified for toxicological properties.

General information No specific health hazards known. The product is classed as non-hazardous, the following information is given as general advice.

Inhalation Dust may irritate the respiratory system. Symptoms following overexposure may include the following: Coughing.

Ingestion May cause nausea and vomiting.

Skin contact May cause irritation on prolonged or repeated contact.

Eye contact May cause temporary eye irritation.

SECTION 12: Ecological Information

Ecotoxicity The product is not expected to be hazardous to the environment.

12.1. Toxicity

Toxicity No data available for the product.

12.2. Persistence and degradability

Persistence and degradability The product is expected to be readily degradable.

12.3. Bioaccumulative potential

Bioaccumulative potential No data available on bioaccumulation. Not expected to bioaccumulate.

12.4. Mobility in soil

Mobility No data available on transportation through soil.

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment This substance is not classified as PBT or vPvB according to current EU criteria.

12.6. Other adverse effects

Other adverse effects Will affect drinking water supplies.

IODINE INDICATOR

SECTION 13: Disposal considerations

13.1. Waste treatment methods

General information

Although not classified as hazardous waste, the product should not be discharged to the environment through unauthorised methods. Always use a reputable waste treatment company. Dispose in accordance with local regulations.

Disposal methods

When dealing with waste always consider the waste management hierarchy of Prevention, Preparation for re-use, Recycling, Recovery and Disposal. It is advisable to minimise waste at source if possible, then re-use, recover or recycle wherever possible before considering waste disposal options. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

SECTION 14: Transport information

14.1. UN number

Not classified.

14.2. UN proper shipping name

Not classified.

14.3. Transport hazard class(es)

Not classified.

Transport labels

No transport warning sign required.

14.4. Packing group

Not classified.

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant

No.

14.6. Special precautions for user

Not classified.

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

Transport in bulk according to Not applicable.

Annex II of MARPOL 73/78
and the IBC Code

SECTION 15: Regulatory information

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

National regulations

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (SI 2009 No. 716).
Control of Substances Hazardous to Health Regulations 2002 (as amended).

EU legislation

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended).
Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended).
Regulation (EU) 453/2010.

IODINE INDICATOR

Guidance Approved Classification and Labelling Guide (CHIP 4)
ECHA Guidance on the compilation of safety data sheets 2014.

15.2. Chemical safety assessment

Information from the manufacturer of the raw material has not been received regarding Chemical Safety Assessments, Exposure Scenarios or a Chemical Safety Report.

SECTION 16: Other information

General information	The product is not classified and does not require a safety data sheet. The information contained herein is only for advice to the user. This datasheet is not intended to be a replacement for a full risk assessment, these should always be carried out by competent persons.
Key literature references and sources for data	Raw material safety data sheets.
Revision comments	Full revision
Revision date	23/10/2014
Revision	1
Supersedes date	23/09/2008
SDS number	10717
Risk phrases in full	Not classified.