SAFETY DATA SHEET
IODINE INDICATOR

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.
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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.
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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.
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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.
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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

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.
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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 Annex II of MARPOL 73/78 and the IBC Code

Not applicable.

SECTION 15: Regulatory information

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

National regulations


Control of Substances Hazardous to Health Regulations 2002 (as amended).

EU legislation


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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

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1

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10717

Risk phrases in full

Not classified.