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|  | Document Type: | <h1>Safety Data Sheet</h1> <p>Conforms to ISO 11014:2009</p> |
| | Title: | <h2>INNOVEX™ SENSITIZATION AGENT</h2> |

1. Identification of the product and Company Identification

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|-----------------------------------|------------------------------|-----------------------------------|
| Product Name | Innovex™ Sensitization Agent | Manufactured/ supplied by |
| Product use | Emulsion sensitization | BME |
| Synonyms | Gassing agent | A member of Omnia Group (Pty) Ltd |
| Chemical Formula | Not applicable | P.O. Box 70040 |
| Emergency telephone number | (+27) 011608-3300 | Bryanston |
| | | South Africa 2021 |
| | | Tel: 27 11 7098791 |
| | | Fax: 27 11 4633023 |

2. Composition/information on ingredients

Substance/preparation:

| Chemical name* | CAS No | % | Classification |
|----------------|-----------|----------|---|
| Europe | | | |
| Water | 7732-18-5 | 40 – 75% | Not classified |
| Sodium Nitrite | 7632-00-0 | 25 – 60% | Ox. Sol. 2, H272 Acute Tox. 3 (Oral), H301 Eye Irrit. 2A, H319 Aquatic Acute 1, H400 |

*See Section 16 for the full text of the R Phrases declared above

3. Hazards identification

OSHA Hazards: Target organ effect, Harmful by ingestion, Irritant

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|---|-------------|
| GHS Classification: Acute toxicity, Oral | Category 4 |
| Eye irritation | Category 2A |
| Acute aquatic toxicity | Category 1 |
| Chronic aquatic toxicity | Category 1 |

Hazard Statements:

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| H302 | Harmful if swallowed. |
| H319 | Causes serious eye irritation. |
| H411 | Very toxic to aquatic life with long lasting effects. |

See toxicological information (section 11)

4. First aid measures

| | | |
|-----------------------------------|---|---|
| Inhalation | : | Remove to a well-ventilated area. If breathing difficulties persist – seek medical attention. |
| Ingestion | : | Rinse mouth with water. If swallowed, do NOT induce vomiting. Seek immediate medical assistance. |
| Skin contact | : | If skin or hair contact occurs, immediately remove any contaminated clothing and wash skin and hair thoroughly with running water. If swelling, redness, blistering or irritation occurs seek medical assistance. |
| Eye contact | : | If in eyes, hold eyelids apart and flush the eye continuously with running water. Continue flushing until advised to stop by a Poisons Information Centre or a doctor, or for at least 15 minutes. |
| Note to physician | : | No specific treatment, treat symptomatically. |
| Protection of first-aiders | : | No additional remarks. |

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5. Fire-fighting measures

| | |
|---|---|
| Extinguishing media | |
| Suitable | : Product is not flammable. Use appropriate media for adjacent fire. Cool unopened containers with water. |
| Not suitable | : No additional remarks. |
| Unusual fire/explosion hazards | : If a transport vehicle or surrounding combustible material burns, extinguish. |
| Special fire fighting procedures | : If a transport vehicle or surrounding combustible material burns, extinguish. If this fire is out of control or has spread to other chemical products (e.g. High Energy Fuel), evacuate persons within 1-2 km radius and allow the fire to burn itself out. |
| Protection of fire fighters | : Wear overalls, gloves, boots and eye protection as a minimum. |

6. Accidental release measures

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| Personal precautions | : Overalls, gloves, rubber boots and eye protection as a minimum. |
| Environmental precautions | : For small spills, make use of the spill kit to remove the spilled material. For large spills, block source of spill and contain spill. Prevent entry into sewers, basements or confined areas. Use soil only to dyke if needed to stop the product from flowing. <u>Do not use</u> soil or dry earth to cover the spill. Use saw dust or an absorbent as per regulation to absorb the spill. Use appropriate tools to collect into drums or suitable containers. Dispose waste using a professional registered waste disposal company. |

Note: See section 8 for personal protective equipment and section 13 for waste disposal.

7. Handling and storage

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|----------------------------|---|
| Handling | : Wash thoroughly after using. Keep container closed when not in use. |
| Storage | : Store in PVC or steel tanks. DO NOT store adjacent to any potentially extreme source of heat or accumulation of combustible material. No open flames or smoking allowed in the vicinity. Store separate from any incompatible material. |
| Packaging materials | : Store in PVC or steel tanks. |
| Recommended use: | : Store in separate containers/tanks. |
| Not suitable | : No additional remarks. |

8. Exposure controls/Personal protection

| | |
|------------------------------|--|
| Hygiene measures | : Wash hands after handling compounds and before eating, smoking, using ablution facilities and at the end of the day. |
| Other Recommendations | : Provide eyewash stations and washing facilities accessible to areas of use and handling. |

Occupational exposure limits:

Contains no substances with occupational exposure limit values.

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| Recommended monitoring procedures | : No additional information |
| Personal protective equipment | |
| Respiratory system | : No |
| Skin and body | : Protective clothing to minimise skin contact |
| Hands | : Chemically resistant gloves |
| Eyes | : Wear chemical safety glasses or goggles. |

9. Physical and chemical properties

| | |
|-----------------------------|-----------------------|
| Physical state | : Liquid |
| Colour | : Blue colored liquid |
| Odor | : Not available |
| Flash point | : Not flammable |
| Flammability | : Not flammable |
| Density | : 1.0 - 1.10 g/ml |
| Vapour pressure | : Not available |
| Evaporation rate | : Not available |
| Solubility - Water | : N/a |
| Solubility – Solvent | : Not available |
| Explosive properties | : Non-explosive |

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10. Stability and reactivity

| | | |
|--|---|--|
| Stability | : | Stable |
| Conditions to avoid | : | Not available |
| Hazardous decomposition product | : | Nitrogen oxides, sodium oxides. |
| Incompatible materials | : | Acids, powdered metals, ammonia, cyanides, amines, activated carbon. |

11. Toxicological information

| | | |
|-------------------|---|--|
| Eyes | : | Irritant |
| Skin | : | Irritant |
| Inhalation | : | Prolonged exposure may cause irritation to the nose and throat |
| Ingestion | : | May cause nausea, vomiting and gastro-intestinal irritation |

12. Ecological information

Aquatic toxicity: Toxic to aquatic life.

13. Disposal considerations

| | | |
|-----------------------------|---|---|
| Methods of disposal | : | Waste must be disposed of in accordance with local environmental control regulations. |
| Waste classification | : | Hazardous waste |

14. Transport information

| Regulatory information | UN Number | Name and description | Class | Packaging Group | Additional information |
|------------------------|-----------|-------------------------|-------|-----------------|---|
| ADR/RID Class | 1500 | OXIDISING LIQUID N.O.S. | 5.1 | III | Limited quantity |
| ADN Class | 1500 | OXIDISING LIQUID N.O.S. | 5.1 | III | CEVIC Tremcard |
| IMDG Class | 1500 | OXIDISING LIQUID N.O.S. | 5.1 | III | Emergency schedules |
| IATA-DGR Class | 1500 | OXIDISING LIQUID N.O.S. | 5.1 | III | AIR: Recommendation on transport of dangerous goods & the International Civil Aviation Organisations. Technical instructions for the Safe Transport of Dangerous Goods by Air. RAIL: Applicable Hazchem and specific requirements of the relevant transport authority. Both Rail and Road must comply with: Hazardous Substance Act No 15 of 1973 and the OHSAct specifically the Regulations for Hazardous Chemical Substances SEA: As per UN recommendation and the International Maritime Code. |

15. Regulatory Information

| | | |
|-----------------------------|---|--|
| EU Regulation | : | |
| Hazard symbols | : | |
| Indicator of Danger: | : | |
| Risk phrases | : | R22/R25 – Harmful/Toxic if swallowed R8 - Contact with combustible material may cause fire R50- Toxic to aquatic life |
| Safety phrases | : | S15 – Keep away from heat S17 – Keep away from combustibles S25/25 – Avoid contact with skin and eyes |
| Product use | : | Classification and labeling have been performed according to EU directives 67/548/EEC. 1999/45/EC including amendments and the intended use. |

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16. Other information

Training advice

Provide adequate information, instruction and training for operators.

Text of classifications: Appearing in Section 2

O - Oxidising
Xn – Harmful
Xi – Irritant
N – Dangerous for the environment

History

| | | |
|-------------------------------|---|---|
| Date of printing | : | 18-03-2020 |
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| Date of previous issue | : | 30-08-2018 |
| Recommended by | : | C Oussoren – LAB Supervisor |
| Authorised by | : | DH Voogt – General Manager – Production and Logistics |

Remarks:

This SDS summarizes, at the date of issue, our best knowledge of the health and safety hazard information of the product, and in particular how to safely handle the product in the workplace. As **BME** cannot control the use and handling of the product, each user must review the SDS in the context of how the user intends to handle and use the product in the workplace.