

	Document Type: Safety Data Sheet Conforms to ISO 11014:2009
	Title: INNOVEX™ SENSITIZATION AGENT

1. Identification of the product and Company Identification

Product Name	Innovex™ Sensitization Agent	Manufactured/ supplied by
Product use	Emulsion sensitization	BME
Synonyms	Gassing agent	A division of Omnia Group (Pty) Ltd
Chemical Formula	Not applicable	<i>Physical address</i>
Emergency telephone number	(+27) 11 608 3300	Omnia Holdings, Building H Monte Circle Business Park 178 Montecasino Boulevard Fourways Sandton, 2191
QR code		<i>Postal address</i> P.O. Box 70040 Bryanston, 2021 Gauteng, South Africa
		<i>Contact</i> Tel: +27 11 7098888 E-mail: info@bme.co.za

2. Hazards identification

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

GHS Classification:



Ox. Liq. 2: H272 May intensify fire; oxidizer.



Acute Tox. 3: H301 Toxic if swallowed.



Aquatic Acute 1: H400 Very toxic to aquatic life

GHS precautionary Statements:

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

IF SWALLOWED: Immediately call a POISON CENTER/ doctor.

Specific treatment.

Rinse mouth.

Store locked up.

Dispose of contents/container in accordance with local/regional/national/ international regulations.

See toxicological information (section 11)




3. Composition/information on ingredients

Substance/preparation:

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Chemical name Water	CAS No 7732-18-5	% 40 – 75%	GHS Classification Not classified
Sodium Nitrite	7632-00-0	25 – 60%	 Ox. Sol. 3, H272  Acute Tox. 3, H301  Aquatic Acute 1, H400

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.

5. Fire-fighting measures

Extinguishing media	:	Product is not flammable. Use appropriate media for adjacent fire. Cool unopened containers with water.
Suitable	:	
Not suitable	:	No additional remarks.
Unusual fire/explosion hazards	:	If a transport vehicle or surrounding combustible material burns, extinguish.
Special firefighting 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

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

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 minimize 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

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	CEPIC 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

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					No 15 of 1973 and the OHSAct specifically the Regulations for Hazardous Chemical Substances SEA: As per UN recommendation and the International Maritime Code.
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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.

16. Other information

Training advice
Provide adequate information, instruction and training for operators.

History

Date of printing	:	15-08-2024
Date of issue	:	15-08-2024
Date of previous issue	:	16-08-2022
Recommended by	:	Kady Govender – R&D Laboratory Supervisor
Authorised by	:	Myra Coetzer-Acting R&D Laboratory Manager

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.

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