


	Document Type:	<h1>Safety Data Sheet</h1> <p>Conforms to ISO 11014:2009</p>
	Title:	<h2>Losberg Re-Work</h2>

### 1. Identification of the product and Company Identification

<b>Product Name</b>	Losberg Re-Work	<b>Manufactured/ supplied by</b>
<b>Product use</b>	Not applicable	<b>BME</b>
<b>Synonyms</b>	Losberg Re-Work	A division of Omnia Group (Pty) Ltd
<b>Chemical Formula</b>	Not applicable	<i>Physical address</i>
<b>Emergency telephone number</b>	<b>(+27) 11 706 3398</b>	Omnia Holdings, Building H Monte Circle Business Park 178 Montecasino Boulevard Fourways Sandton, 2191
<b>QR code</b>		<i>Postal address</i> P.O. Box 70040 Bryanston, 2021 Gauteng, South Africa
		<i>Contact</i> Tel: +27 11 7098888 E-mail: <a href="mailto:info@bme.co.za">info@bme.co.za</a>

### 2. Hazards identification

This substance is classified as dangerous according to Directive 1999/45/EC and its amendments

**GHS Classification:**



Ox. Sol. 2                      H272 May intensify fire; oxidizer



Skin Irrit. 2:                      H315 Causes skin irritation  
 Eye Irritation 2A:                H319 Causes serious eye irritation  
 Acute Tox. 5:                      H303 May be harmful if swallowed  
 Acute Tox. 5:                      H333 May be harmful if inhaled

*GHS precautionary Statements:*

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
 Keep away from clothing and other combustible materials.  
 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.  
 IF SWALLOWED: Call a doctor if you feel unwell.  
 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 Dispose of contents/container in accordance with local/regional/national/international regulations.

**Additional hazards:**

Non-identified

**Effects and symptoms**

Will not readily burn on its own, but if subjected to extreme external heat for a period of time, water can be driven off resulting in field burning or detonation

**Aggravating conditions**



Avoid incompatible materials and / or chemicals – Sodium Nitrite until application of product

See toxicological information (section 11)

### 3. Composition/information on ingredients

**Substance/preparation:**

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<b>Chemical name*</b> Ammonium Nitrate NH <sub>4</sub> NO <sub>3</sub>	<b>CAS No</b> 6484-52-2	<b>%</b> > 60	<b>EC Number</b> 229-347-8	<b>GHS Classification</b>  Ox. Liq. 2 H272  Skin Irrit. 2, H315 Eye Irritation 2A, H319 Acute Tox. 5, H303 Acute Tox. 5, H333
Nitrates				
Hydrocarbon fuels				
*Occupational exposure limit(s) if available, are listed in section 8				

#### 4. First aid measures

<b>Inhalation</b>	: Not applicable.
<b>Ingestion</b>	: Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention if symptoms appear.
<b>Skin contact</b>	: In case of skin contact - immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Cover the irritated skin with an emollient. Cold water may be used. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention
<b>Eye contact</b>	: Check for and remove any contact lenses. In case of contact immediately flush eyes with plenty of water for at least 20 minutes. Cold water may be used. Get medical attention.
<b>Note to physician</b>	: No specific treatment, treat symptomatically.
<b>Protection of first-aiders</b>	: No additional remarks.

#### 5. Fire-fighting measures

<b>Extinguishing media</b>	
<b>Suitable</b>	: DO NOT fight fire when it reaches material.
<b>Not suitable</b>	: No additional remarks.
<b>Unusual fire/explosion hazards</b>	: Hazardous gases will result from fire or detonation (nitrogen oxides and carbon oxide).
<b>Special fire fighting procedures</b>	: When fighting fire before explosives are involved, fire fighters should wear positive pressure self contained breathing apparatus (SCBA) and full turnout gear. Fire fighters' protective clothing will provide limited protection. <b>DO NOT ATTEMPT TO FIGHT FIRE WHEN IT REACHES EXPLOSIVES.</b> Fire should be allowed to burn out – withdraw all personnel from the vicinity of the incident (out of line of sight and away from windows or glass panels).
<b>Protection of fire fighters</b>	: Use an approved/certified respirator or equipment.

#### 6. Accidental release measures

<b>Personal precautions</b>	: Do not touch spilled material or damaged vessels or containers. Evacuate surrounding areas.
<b>Environmental precautions</b>	: 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

<b>Handling</b>	: Keep away from sources of ignition.
<b>Storage</b>	: 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
<b>Packaging materials</b>	
<b>Recommended use:</b>	: Store in PVC or steel tanks
<b>Not suitable</b>	: No additional remarks.

#### 8. Exposure controls/personal protection

<b>Engineering measures</b>	: None
<b>Hygiene measures</b>	: Wash hands after handling product and before eating, smoking, using ablution facilities and at the end of the day.

#### Occupational exposure limits:

<b>Ingredient name</b>	<b>Occupational exposure limits</b>
No additional information	No additional information

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Recommended monitoring procedures : No additional information

Personal protective equipment

Respiratory system : None

Skin and body : Overalls and safety shoes

Hands : PVC Gloves

Eyes : Wear Goggles / glasses.

## 9. Physical and chemical properties

Physical state : Emulsion

Colour : Cream / grey colour

Odour : Sharp, fuel like

Odour threshold : No data available

Boiling point : No data available

Melting point : No data available

Flash point : No data available

Flammability : Flammable at elevated temperature

Density : 1.3 – 1.5 g/ml

Vapour Density : Not available

Vapour pressure : Not available

Evaporation rate : Not available

Solubility - Water : Insoluble

Solubility – Solvent : Soluble in most hydrocarbon fuels

Solubility - Coefficient : Not available

pH : Not applicable

Fire hazards in presence of various substances : Extreme external heat for a period of time, or contact with combustible material may cause fire

Auto-ignition temperature : Not available

Viscosity : Not available

Neurotoxicity : Not available

## 10. Stability and reactivity

Stability : The product is stable

Conditions to avoid : **Avoid detergents and contact with Sodium Nitrite**

Hazardous decomposition product : Hazardous decomposition products – Nitrous oxides and CO may be generated during detonation. Under normal storage conditions no hazardous decomposition product occurs

Hazardous polymerisation : Will not occur

## 11. Toxicological information

Eyes : None known

Skin : None known

Inhalation : None known

Ingestion : None known

Target organs : None known

Acute toxicity : None known

Carcinogenic : None known

Mutagenicity : None known

Reproductive hazards : None known

## 12. Ecological information

Mobility : No data available

Soil/water partition coefficient : No data available

Persistence/degradability : No data available

Bio accumulative potential : No data available

## 13. Disposal considerations

Methods of disposal : Disposal should be in accordance with the current applicable explosive legislation. Do not flush into natural water systems. No packaging.

Waste classification : Hazardous chemical waste

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**Destruction** : The preferred method of destruction of emulsion explosives is by burning in a licensed facility. It is strongly recommended that the supplier be contacted for destruction arrangements, at the supplier's licensed facilities. Should the user have access to a licensed burning facility the supplier should be contacted for approved procedures for destruction via burning

## 14. Transport information

Regulatory information	UN Number	Name and description	Class	Additional information
ADR/RID Class	3139	OXIDISING LIQUID N O S	5.1D	<b>AIR:</b> Product may not be transported by Air <b>RAIL:</b> Applicable Hazchem and specific requirements of the relevant transport authority. Both <b>Rail</b> and <b>Road</b> must comply with: Hazardous Substance Act No 15 of 1973 and the OHSAct specifically the Regulations for Hazardous Chemical Substances <b>SEA:</b> As per UN recommendation and the International Maritime Code.
ADN Class	3139		5.1D	
IMDG Class	3139		1.1D	
IATA-DGR Class	3139		1.1D	

## 15. Regulatory Information

**EU Regulation**  
**Hazard symbols** :  
**Indicator of Danger:**  
**Risk phrases** : R2 – Risk of explosion by shock, fire or other sources of ignition  
: R8 - Contact with combustible material may cause fire  
: R36/38 - Irritating to eyes and skin  
**Safety phrases** : S16 – Keep away from sources of ignition  
: S34 – Avoid shock and friction  
: S24/25 – 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

**Full text of R-Phrases with no:**

R2	Risk of explosion by shock, friction, fire or other source of ignition
R3	Extreme risk of explosion by shock, friction, fire or other sources of ignition
R5	Heating may cause an explosion
R8	Contact with combustible material may cause fire
R9	Explosive when mixed with combustible material
R10	Flammable
R61	May cause harm to the unborn child
R62	Possible risk of impaired fertility
R20/22	Harmful by inhalation and if swallowed
R22	Harmful if swallowed
R36/38	Irritating to eyes and skin
R33	Danger of cumulative effects
R50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

## History

**Date of printing** : 16-08-2024  
**Date of issue** : 16-08-2024  
**Date of previous issue** : 22-08-2022  
**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.