

	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>BME</b> A division of Omnia Group (Pty) Ltd P.O. Box 70040 Bryanston South Africa 2021 Tel: 27 11 7098791 Fax:27 11 4633023
<b>Product use</b>		
<b>Synonyms</b>	Losberg Re-Work	
<b>Chemical Formula</b>	Not applicable	
<b>Emergency telephone number</b>	<b>(+27) 11 706 3398</b>	

### 2. Composition/information on ingredients

**Substance/preparation:**

Chemical name*	CAS No	%	EC Number	Classification
<b>Europe</b> Ammonium Nitrate NH <sub>4</sub> NO <sub>3</sub>	6484-52-2	> 60	229-347-8	E: R5 Xi: R36/38
Nitrates	-	-	-	Xn: R22 Xi: R36/38
Hydrocarbon fuels				
*See Section 16 for the full text of the R Phrases declared above				
*Occupational exposure limit(s) if available, are listed in section 8				

### 3. Hazards identification

This substance is classified as dangerous according to Directive 1999/45/EC and its amendments	
<b>Classification</b>	E: R5, Xi: R22 Xi: R36/38
<b>Additional hazards:</b>	Non-identified
<b>Effects and symptoms</b>	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
<b>Aggravating conditions</b>	Avoid incompatible materials and / or chemicals – Sodium Nitrite until application of product

See toxicological information (section 11)

### 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:

Ingredient name	Occupational exposure limits
No additional information	No additional information
<b>Recommended monitoring procedures</b>	: No additional information
<b>Personal protective equipment</b>	
<b>Respiratory system</b>	: None
<b>Skin and body</b>	: Overalls and safety shoes
<b>Hands</b>	: PVC Gloves
<b>Eyes</b>	: Wear Goggles / glasses.

## 9. Physical and chemical properties

<b>Physical state</b>	: Emulsion
<b>Colour</b>	: Cream / grey colour
<b>Odour</b>	: Sharp, fuel like
<b>Odour threshold</b>	: No data available
<b>Boiling point</b>	: No data available
<b>Melting point</b>	: No data available
<b>Flash point</b>	: No data available
<b>Flammability</b>	: Flammable at elevated temperature
<b>Density</b>	: 1.3 – 1.5 g/ml
<b>Vapour Density</b>	: Not available
<b>Vapour pressure</b>	: Not available
<b>Evaporation rate</b>	: Not available
<b>Solubility - Water</b>	: Insoluble
<b>Solubility – Solvent</b>	: Soluble in most hydrocarbon fuels
<b>Solubility - Coefficient</b>	: Not available
<b>pH</b>	: Not applicable

## 9. Physical and chemical properties Continued:

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	:	<b>Avoid detergents and contact with Sodium Nitrite</b>
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
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.

## 15. 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

Text of classifications: Appearing in Section 2

E – Explosives

O – Oxidising

F - Highly flammable

Repr. Cat. 1 – Toxic for reproduction Category 1

Repr. Cat. 3 – Toxic for reproduction Category 3

Xn – Harmful

Xi – Irritant

N – Dangerous for the environment

## History

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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.