



Safety Data Sheet: Wet-Loc

GRT Safety Data Sheet

Version: 1.0

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Product: **GRT Wet-Loc**

1. Substance/preparation and manufacturer/supplier identification

GRT Wet-Loc

Uses: Dust Suppression

Manufacturer/supplier

PGG Wrightson
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Hornby, Christchurch 8042
P.O. Box 292, Christchurch 8140
New Zealand

Phone 0800 10 22 76 or +64 3 477 4520

Website: www.globalroadtechnology.com

Emergency Information

National Poisons Centre (New Zealand): 0800 POISON (0800 764 766)

Poison Information Centre (Australia): 131 126

Global Road Technology Enquiry Number: +61 5667 8550

2. Hazard Identification

Classification of the substance and mixture

No need for classification according to GHS criteria for this product.

Label elements and precautionary statement

The product does not require a hazard-warning label in accordance with GHS criteria.

Other hazards which do not result in classification

No specific dangers known, if the regulations/notes for storage and handling are considered. Inhalation of vapours and/or mists may irritate respiratory tract. Prolonged skin contact will cause defatting and possible irritation. Eye contact may cause irritation.

3. Composition/information on Ingredients

Chemical nature

Highly refined mixture of synthetic fluids containing only saturated, aliphatic organic materials.
Content (w/w): 100%

4. First-Aid Measures

General advice

Remove contaminated clothing.

If inhaled

If a person breathes in large amounts of this substance, move the exposed person to fresh air at once. Keep the affected person warm and at rest. Seek immediate medical attention.

On skin contact

Where significant skin contact has occurred, wash affected areas thoroughly with water, using soap if available. Contaminated clothing should be removed as soon as possible, and affected skin areas washed thoroughly.

On contact with eyes

Immediately wash affected eyes for at least 15 minutes under running water with eyelids held open. If irritation persists, obtain medical advice.

On ingestion

Rinse mouth immediately and then drink plenty of water. If ingested, do not induce vomiting. Obtain medical advice immediately. Aspiration: If there is any suspicion of aspiration of this substance either directly or as a result of vomiting, obtain medical advice immediately.

Note to physician

Symptoms: No significant symptoms are expected due to the non-classification of the product.

Hazards: No hazards anticipated.

Treatment: Symptomatic treatment in accordance with good industrial hygiene and safety practice (decontamination, vital functions).

5. Fire-Fighting Measures

Suitable extinguishing media

Effective extinguishing agents are dry chemical powder, foam, or carbon dioxide. For small fires, sand, or earth may be useful for smothering the fire. Water **must not** be used (will only aid to spread the fire).

Specific hazards

Flammability of the product: Combustible liquid

Auto-Ignition Temperature: >200°C

Flash Point: >190°C

Flammable Limits: No data available.

Products of Combustion: No data available.

Special protective equipment

No data available.

Further information

Source of ignition should be avoided in areas where the substance is stored, handled or used.

6. Accidental Release Measures

Personal precautions, Protective Equipment and Emergency Procedures

Personal Protective Equipment (PPE):

All equipment used when handling the products must be grounded. Use clean non-sparking tools to collect absorbed material.

Skin Protection:

Avoid contact with skin. Wear protective clothes during handling product.

Respiratory Protection:

Avoid breathing vapours, mist or gas.

Work Practice:

Stop leak if you can do it without risk. Eliminate all ignition sources (No smoking, flares, sparks or flames in immediate area).

Environmental precautions

Prevent entry into waterways, sewers, basements or confined areas.

Methods and material for containment and cleaning spillage:

Prevent entry into waterways, sewers, basements or confined areas. Prevent vapours or dusts from building up in confined areas. Absorb or cover with dry earth, sand or other non-combustible material and transfer to containers. Use clean non-sparking tools to collect absorbed material.

Contain leaking package in a containment drum.

7. Handling and Storage

Handling

Individuals handling or using this substance should be advised of the hazards, proper procedures and precautions, including health effects and recommendations for emergency treatment. Provide appropriate exhaust ventilation at places where mist/aerosol is formed. Normal measures for preventive fire protection

Storage

Protect storage containers against physical damage. Store at ambient temperature or with lowest necessary heating as handling requires.

8. Exposure controls and personal protection

Control Parameters

Exposure via the air and normal handling.

Threshold Limit Values:

5 mg/m³

Chemical name

Hydrocarbon liquid

Biological Limit Values (BLV)

None

Exposure Control

Engineering Measures:

Where significant aerosol or vapour is generated and cannot be eliminated through engineering modifications, local/general exhaust ventilation should be installed to reduce airborne concentrations. Use oil resistant material in construction of handling equipment.

Personal protective equipment (PPE)

Respiratory Protection:

Respiratory protection should be used in accordance with company and applicable national regulatory requirements. Respiratory protection should be used to supplement the engineering controls and work practices. Persons should not be assigned to tasks requiring the use of respirators unless it has been determined they are physically able to perform the work and are trained to use the equipment.

Hand Protection:

Suitable protective clothing should be in accordance with national, or regional standards and regulations. Wear oil-resistant protective gloves if there is a risk of repeated skin contact.

Eye Protection:

Where there is a possibility that splashing may occur. Goggles or a face shield should be worn to avoid eye contact.

Skin Protection:

Repeated or prolonged skin contact should be avoided to prevent drying, cracking, irritation, dermatitis or more serious skin problems. If such contact is likely, impervious gloves or other protective clothing should be worn to avoid skin contact.

Hygienic Measures:

Act in accordance with good industrial hygiene and safety practices.

9. Physical and Chemical Properties

Form:	Liquid
Colour:	Clear
Odour:	Odourless
pH:	Neutral
Molecular weight:	Not defined
Melting Point/Freezing Point:	< -21°C
Auto Ignition Point:	> 200°C
Density:	0.825-0.855 g/mL (@ 29.5°C)
Vapour Pressure:	<0.1hPa (@ 20°C)
Viscosity:	12.5-16.5 cSt (@ 40°C)
Volatility:	Not available
Solubility:	Insoluble in water and soluble in Petroleum Solvents
Log P _o /W:	Not available
Decomposition temperature:	> 350°C

10. Stability and Reactivity

Chemical stability

Stable at normal conditions for storage and handling. Starts to decompose at 350°C or higher.

Reactivity

No dangerous reaction known under condition of normal use

Hazardous reactions

Only at extreme temperatures (extreme heating) and highly oxidising agents.

Hazardous decomposition products

Flammable gases, which may also be noxious. Prior to decomposition temperature (from approx. 200°C), there is a risk of auto-ignition with the presence of air.

Conditions to avoid

Keep away from fire, sparks, heated surfaces (excessive heating) and highly oxidising agents.

11. Toxicological Information

Acute toxicity

Assessment of acute toxicity:

LD50 rat (oral): > 5000 mg/kg

LC0 rat (inhalation): 210 mg/m³

LD50 rabbit (dermal): >2000 mg/kg

Ingestion:

May cause nausea and eventually vomiting and diarrhoea.

Eye Contact:

Eye contact with this product may cause redness and transient pain.

Skin Contact:

Prolonged or repeated exposure may lead to defatting of the skin and subsequent irritation. May cause oil acne.

Inhalation:

Prolonged and repeated inhalation of mist or vapour generated at elevated temperatures may irritate respiratory tract.

Irritation

Assessment of irritating effects:

No skin irritation effect (OECD Guideline 404, 405).

Eye – may be mild. Reversible ocular irritation effect was reported.

Respiratory/Skin Sensitisation

Assessment of sensitisation:

Not skin sensitising (OECD Guideline 406).

Germ Cell Mutagenicity

Assessment of mutagenicity:

No classification as mutagen

Carcinogenicity

Assessment of carcinogenicity:

No classification as carcinogen (OECD 451, 453)

Reproductive Toxicity

Assessment of reproduction toxicity:

No classification as reprotoxic

Developmental toxicity

Assessment of teratogenicity:

The data available for an assessment of the effect of the substance on developmental toxicity are not sufficient for a proper evaluation.

Specific target organ toxicity (single exposure):

Assessment of STOT single:

No data available.

Repeated dose toxicity and Specific target organ toxicity (repeated exposure)

Assessment of repeated dose toxicity:

Experimental/calculated data:

LOAEL rat (oral): 25000 ppm (962 mg/kg bw/day – male; 1135 mg/kg bw/day – females)

LOAEL rat (inhalation): 100 mg/m³

Other Relevant Toxicity Information

Based on our experience and the information available, no adverse health effects are expected if handled as recommended with suitable precautions for designated uses. The statement was derived from products of similar composition.

12. Ecological Information

Ecotoxicity

Aquatic toxicity data on like materials indicate LC50 values of >1000 mg/L. Substances may not meet criteria for ready degradability and components have log P ow values >3.9. However, chronic toxicity studies show no long-term hazard to the aquatic environment.

Biodegradability/Persistence

Not readily bio-degradable

Mobility

Low, due to low water solubility.

Results of PBT and vPvB assessment

The substance is not considered to be persistent. Bio-accumulation nor toxic (PBT). This substance is not considered to be very persistent nor very bio accumulating (vPvB).

13. Disposal Considerations

Disposal methods

The generation of waste should be avoided or minimised wherever possible. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe way.

Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.

14. Transport Information

Domestic Transport:

Not classified as a dangerous good under transport regulations

Sea Transport

IMDG

Not classified as a dangerous good under transport regulations

Air Transport

IATA/ICAO

Not classified as a dangerous good under transport regulations

15. Regulatory Information

Other Regulations

If other regulatory information applies that is not already provided elsewhere in this safety data sheet, then it is described in this subsection.

Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP): Not Scheduled

Registration status

AICS (Australia), DSL/NDSL (Canada), EINECS/ELINCS (European Union), PICCS (Philippines).

16. Other Information

Recommended use: Dust Suppression

Any other intended applications should be discussed with the manufacturer.

Abbreviations

AICS – Australian Inventory of Chemical Substances

DSL/NDSL – Domestic Substances List/Non Domestic Substances List

EINECS/ELINCS – European Inventory of Existing Commercial Chemical Substances/European List of Notified Chemical Substances

GHS - Globally Harmonized System of classification and labelling of chemicals

IATA - International Air Transport Association

ICAO - International Civil Aviation Organization

IMDG - International Maritime Dangerous Goods Code

OECD - Organisation for Economic Co-operation and Development

PBT – persistent, bio-accumulative and toxic

PICCS – Philippine Inventory of Chemicals and Chemical Substances

PPE – Personal Protective Equipment

SUSMP – Standard for the Uniform Scheduling of Medicines and Poisons

vPvB – very persistent and very bio-accumulative

The data contained in this safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. This safety data sheet is neither a Certificate of Analysis (CoA) nor technical data sheet and shall not be mistaken for a specification agreement. Identified uses in this safety data sheet do neither represent an agreement on the corresponding contractual quality of the substance/mixture nor a contractually designated use. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed. Please consult the relevant legislation and regulations governing the use and storage of this type of product. For further information, please contact Global Road Technology.
