

SECTION 1: Product identifier

1.1. GHS Product identifier

Product form : Mixture
Trade name : API-MODIFIED
Product code : J221

1.2. Other means of identification

No additional information available

1.3. Recommended use of the chemical and restrictions on use

No additional information available

1.4. Details of manufacturer or importer

Manufacturer

Whitmore Manufacturing LLC

930 Whitmore Drive

Rockwall, Texas 75087

USA

T 1.972.771.1000

Regulatory@whitmores.com - www.jetlube.com

1.5. Emergency phone number

Emergency number : For Chemical Emergency Call CHEMTREC 24hr/day 7days/week
Within USA and Canada: 1.800.424.9300
Outside USA and Canada: +1.703.527.3887
(collect calls accepted)

Country	Organisation/Company	Address	Emergency number	Comment
New Zealand	Chemtrec - New Zealand	Auckland	Local (City) +64 9-801 0034	
New Zealand	Chemtrec - New Zealand		Toll Free 0800 425 459	
New Zealand	New Zealand National Poison Centre Dunedin School of Medicine, University of Otago	P.O. Box 56 9054 Dunedin	0800 764 766 ILS Technical Helpline 0800 10 40 17	

SECTION 2: Hazard identification

2.1. Classification of the hazardous chemical

Classification according to the model Work Health and Safety Regulations (WHS Regulations)

Skin corrosion/irritation, Category 2 H315
Serious eye damage/eye irritation, Category 2A H319
Carcinogenicity, Category 1B H350
Reproductive toxicity, Category 1A H360
Reproductive toxicity, Additional category, Effects on or via lactation H362
Specific target organ toxicity – Repeated exposure, Category 1 H372

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2.2. GHS Label elements, including precautionary statements

Hazard pictograms (GHS AU)

:



Exclamation mark Health hazard

Signal word (GHS AU)

: Danger

Contains

: lead massive: [particle diameter $\geq 1\text{mm}$] (29.4098 – 29.55985 %); calcium oxide (1.47 – 1.5 %)

Hazard statements (GHS AU)

: H315 - Causes skin irritation
H319 - Causes serious eye irritation
H350 - May cause cancer
H360 - May damage fertility or the unborn child
H362 - May cause harm to breast-fed children
H372 - Causes damage to organs through prolonged or repeated exposure

Precautionary statements (GHS AU)

: P201 - Obtain special instructions before use.
P202 - Do not handle until all safety precautions have been read and understood.
P260 - Do not breathe dust/fume/gas/mist/vapours/spray.
P263 - Avoid contact during pregnancy and while nursing.
P264 - Wash hands, forearms and face thoroughly after handling.
P270 - Do not eat, drink or smoke when using this product.
P280 - Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.
P302+P352 - IF ON SKIN: Wash with plenty of water.
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308+P313 - IF exposed or concerned: Get medical advice/attention.
P314 - Get medical advice/attention if you feel unwell.
P321 - Specific treatment (see supplemental first aid instruction on this label).
P332+P313 - If skin irritation occurs: Get medical advice/attention.
P337+P313 - If eye irritation persists: Get medical advice/attention.
P362 - Take off contaminated clothing.
P405 - Store locked up.
P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

2.3. Other hazards which do not result in classification

No additional information available

SECTION 3: Composition and information on ingredients

Name	CAS-No.	%	Classification according to the model Work Health and Safety Regulations (WHS Regulations)
lead massive: [particle diameter $\geq 1\text{mm}$]	7439-92-1	29.4098 – 29.55985	Carc. 1B, H350 Repr. 1A, H360 Lact., H362 STOT RE 1, H372 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
calcium oxide	1305-78-8	1.47 – 1.5	Acute Tox. 5 (Oral), H303 Skin Corr. 1, H314 Eye Dam. 1, H318 STOT SE 3, H335
Other substances (not contributing to the classification of this product)	-	68.94 – 69.12	-

SECTION 4: First aid measures

4.1. Description of necessary first-aid measures

First-aid measures general

: If exposed or concerned: Get medical advice/attention.

First-aid measures after inhalation

: Remove person to fresh air and keep comfortable for breathing.

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First-aid measures after skin contact	: Wash skin with plenty of water. Take off contaminated clothing. If skin irritation occurs: Get medical advice/attention.
First-aid measures after eye contact	: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
First-aid measures after ingestion	: Call a poison center or a doctor if you feel unwell.

4.2. Symptoms caused by exposure

Symptoms/effects after skin contact	: Irritation.
Symptoms/effects after eye contact	: Eye irritation.

4.3. Medical attention and special treatment

Other medical advice or treatment	: Treat symptomatically.
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SECTION 5: Fire-fighting measures

5.1. Extinguishing media

Suitable extinguishing media	: Water spray. Dry powder. Foam.
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5.2. Specific hazards arising from the chemical

Hazardous decomposition products in case of fire	: Toxic fumes may be released.
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5.3. Special protective equipment and precautions for fire-fighters

Protection during firefighting	: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.
Hazchem Code	: 2Z

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Emergency procedures	: Only qualified personnel equipped with suitable protective equipment may intervene. Do not breathe dust/fume/gas/mist/vapours/spray.
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6.1.2. For emergency responders

Protective equipment	: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".
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6.2. Environmental precautions

Avoid release to the environment. Notify authorities if product enters sewers or public waters.

6.3. Methods and materials for containment and cleaning up

Methods for cleaning up	: Mechanically recover the product. Notify authorities if product enters sewers or public waters.
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SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling	: Ensure good ventilation of the work station. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Take all necessary technical measures to avoid or minimize the release of the product on the workplace. Limit quantities of product at the minimum necessary for handling and limit the number of exposed workers. Provide local exhaust or general room ventilation. Wear personal protective equipment. Floors, walls and other surfaces in the hazard area must be cleaned regularly. Avoid contact during pregnancy/while nursing. Do not breathe dust/fume/gas/mist/vapours/spray. Avoid contact with skin and eyes.
Hygiene measures	: Separate working clothes from town clothes. Launder separately. Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

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7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store locked up. Store in a well-ventilated place. Keep cool.

SECTION 8: Exposure controls and personal protection

8.1. Control parameters - exposure standards

lead massive: [particle diameter $\geq 1\text{mm}$] (7439-92-1)	
New Zealand - Occupational Exposure Limits	
Local name	Lead, inorganic dusts and fumes, as Pb
WES-TWA (OEL TWA) [1]	0.05 mg/m ³
Remark (NZ)	6.7B (Suspected carcinogen)
Regulatory reference	Workplace Exposure Standards and Biological Exposure Indices, 12th Edition
New Zealand - Biological Exposure Indices	
Local name	Lead (Inorganic)
BEI	20 µg/dl Parameter: Lead - Medium: Blood - Sampling time: Not critical - Notations: Whole blood 0.97 µmol/l Parameter: Lead - Medium: Blood - Sampling time: Not critical - Notations: Whole blood 30 µg/dl Parameter: Lead - Medium: Blood - Sampling time: Not critical - Notations: a suspension (removal) level of whole blood for females not of reproductive capacity, and males 1.45 µmol/l Parameter: Lead - Medium: Blood - Sampling time: Not critical - Notations: a suspension (removal) level of whole blood for females not of reproductive capacity, and males 10 µg/dl Parameter: Lead - Medium: Blood - Sampling time: Not critical - Notations: a suspension (removal) level of whole blood for females of reproductive capacity, and those pregnant and/or breastfeeding 0.48 µmol/l Parameter: Lead - Medium: Blood - Sampling time: Not critical - Notations: a suspension (removal) level of whole blood for females of reproductive capacity, and those pregnant and/or breastfeeding
Remark	Ideally pregnant women or women planning to become pregnant should have no exposure to lead at all. This is because the developing foetus is extremely susceptible to lead.
Regulatory reference	Workplace Exposure Standards and Biological Exposure Indices, 12th Edition
calcium oxide (1305-78-8)	
New Zealand - Occupational Exposure Limits	
Local name	Calcium oxide
WES-TWA (OEL TWA) [1]	2 mg/m ³
Regulatory reference	Workplace Exposure Standards and Biological Exposure Indices, 12th Edition

8.2. Biological Monitoring

No additional information available

8.3. Engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station.

8.4. Individual protection measures, such as personal protective equipment (PPE)

Hand protection : Neoprene or nitrile rubber gloves

Type	Material	Permeation	Thickness (mm)	Penetration	Standard
Disposable gloves	Nitrile rubber (NBR), Neoprene rubber (HNBR)	6 (> 480 minutes)	> 0.6 mm		

Eye protection : Chemical goggles or safety glasses

Skin and body protection : Wear suitable protective clothing

Respiratory protection : In case of insufficient ventilation, wear suitable respiratory equipment

Environmental exposure controls : Avoid release to the environment.

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SECTION 9: Physical and chemical properties

Physical state	: Solid
Appearance	: Paste.
Colour	: Metallic
Odour	: petroleum-like odour
Odour threshold	: No data available
pH	: No data available
pH solution	: No data available
Relative evaporation rate (butylacetate=1)	: No data available
Melting point / Freezing point	: No data available
Boiling point	: No data available
Flash point	: > 221 °C Open cup
Auto-ignition temperature	: No data available
Flammability	: No data available
Vapour pressure	: No data available
Relative density	: No data available
Density	: No data available
Solubility	: insoluble in water.
Partition coefficient n-octanol/water (Log Pow)	: No data available
Explosive properties	: No data available
Explosive limits	: Not applicable
Minimum ignition energy	: No data available
Fat solubility	: No data available

SECTION 10: Stability and reactivity

Reactivity	: The product is non-reactive under normal conditions of use, storage and transport.
Chemical stability	: Stable under normal conditions.
Possibility of hazardous reactions	: No dangerous reactions known under normal conditions of use.
Conditions to avoid	: None under recommended storage and handling conditions (see section 7).
Incompatible materials	: No additional information available
Hazardous decomposition products	: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified

lead massive: [particle diameter ≥1mm] (7439-92-1)

LD50 oral rat	> 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 423 (Acute Oral toxicity - Acute Toxic Class Method)
LD50 dermal rat	> 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)
LC50 Inhalation - Rat	> 5.05 mg/l air Animal: rat, Guideline: OECD Guideline 403 (Acute Inhalation Toxicity)

calcium oxide (1305-78-8)

LD50 oral rat	> 2000 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: OECD Guideline 420 (Acute Oral Toxicity - Fixed Dose Method)
LD50 oral	5000 mg/kg
LD50 dermal rabbit	> 5000 mg/kg bodyweight Animal: rabbit, Guideline: other:US Federal Register 38: 187, Part 1500, Section 41, 1973.

Skin corrosion/irritation	: Causes skin irritation.
Serious eye damage/irritation	: Causes serious eye irritation.
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: May cause cancer.
Reproductive toxicity	: May damage fertility or the unborn child. May cause harm to breast-fed children.
STOT-single exposure	: Not classified

calcium oxide (1305-78-8)

STOT-single exposure	May cause respiratory irritation.
STOT-repeated exposure	: Causes damage to organs through prolonged or repeated exposure.

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lead massive: [particle diameter ≥1mm] (7439-92-1)	
STOT-repeated exposure	Causes damage to organs through prolonged or repeated exposure.
calcium oxide (1305-78-8)	
LOAEL (oral, rat, 90 days)	300 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test)
NOAEC (inhalation, rat, dust/mist/fume, 90 days)	0.413 mg/l air Animal: rat, Animal sex: male, Guideline: OECD Guideline 412 (Subacute Inhalation Toxicity: 28-Day Study)
Aspiration hazard	: Not classified
lead massive: [particle diameter ≥1mm] (7439-92-1)	
Animal studies and expert judgment for classification	False
calcium oxide (1305-78-8)	
Animal studies and expert judgment for classification	False
Viscosity, kinematic	230.303 mm²/s

SECTION 12: Ecological information

According to the National Code of Practice for the Preparation of Material Safety Data Sheets, Environmental classification information is not mandatory. Information relevant for GHS classification is available on request

12.1. Ecotoxicity

Ecology - general : Very toxic to aquatic life with long lasting effects.
Hazardous to the aquatic environment, short-term (acute) : Hazardous to the aquatic environment – Acute Hazard, Category 1
Hazardous to the aquatic environment, long-term (chronic) : Toxic to aquatic life with long lasting effects

lead massive: [particle diameter ≥1mm] (7439-92-1)	
LC50 - Fish [1]	1170 µg/l
LC50 - Fish [2]	107 µg/l
Partition coefficient n-octanol/water (Log Pow)	0.73 (estimated value)
calcium oxide (1305-78-8)	
LC50 - Fish [1]	387 mg/l Test organisms (species): Poecilia reticulata
EC50 - Crustacea [1]	≥ 159.6 mg/l (EPA OPP 72-2, 24 h, Crustacea, Static system, Fresh water, Experimental value, Lethal)
NOEC chronic fish	100 mg/l Test organisms (species): other:Tilapia nilotica Duration: '46 d'

12.2. Persistence and degradability

lead massive: [particle diameter ≥1mm] (7439-92-1)	
Not rapidly degradable	
calcium oxide (1305-78-8)	
Not rapidly degradable	
Persistence and degradability	Biodegradability: not applicable.
Chemical oxygen demand (COD)	Not applicable
ThOD	Not applicable

12.3. Bioaccumulative potential

lead massive: [particle diameter ≥1mm] (7439-92-1)	
Partition coefficient n-octanol/water (Log Pow)	0.73 (estimated value)

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12.4. Mobility in soil

lead massive: [particle diameter $\geq 1\text{mm}$] (7439-92-1)

Ecology - soil	Product adsorbs onto the soil.
Partition coefficient n-octanol/water (Log Pow)	0.73 (estimated value)

calcium oxide (1305-78-8)

Ecology - soil	No (test) data on mobility of the substance available.
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12.5. Other adverse effects

Ozone	: Not classified
Other adverse effects	: No additional information available

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Fluorinated greenhouse gases	False
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lead massive: [particle diameter $\geq 1\text{mm}$] (7439-92-1)

Fluorinated greenhouse gases	False
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calcium oxide (1305-78-8)

Fluorinated greenhouse gases	False
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SECTION 13: Disposal considerations

Waste treatment methods	: Dispose of contents/container in accordance with licensed collector's sorting instructions.
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SECTION 14: Transport information

ADG	IMDG	IATA
14.1. UN number		
3077	3077	3077
14.2. UN Proper Shipping Name		
ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (CONTAINS : lead massive: [particle diameter $\geq 1\text{mm}$])	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (CONTAINS : lead massive: [particle diameter $\geq 1\text{mm}$])	Environmentally hazardous substance, solid, n.o.s. (CONTAINS : lead massive: [particle diameter $\geq 1\text{mm}$])
14.3. Transport hazard class(es)		
9	9	9
		
14.4. Packing group		
III - Substances presenting low danger	III	III
14.5. Environmental hazards		
Dangerous for the environment: Yes	Dangerous for the environment: Yes Marine pollutant: Yes	Dangerous for the environment: Yes

14.6. Special precautions for user

Specific storage requirement	: No data available
Shock sensitivity	: No data available

14.7. Additional information

Other information	: No supplementary information available
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Transport by road and rail

UN-No. (ADG) : 3077
Special provision (ADG) : 179, 274, 331, 335, 375, AU01
Limited quantities (ADG) : 5kg
Packing instructions (ADG) : P002, IBC08, LP02
Special packing provisions (ADG) : PP12, B3
Portable tank and bulk container instructions (ADG) : T1, BK2, BK3
Portable tank and bulk container special provisions (ADG) : TP33

Transport by sea

UN-No. (IMDG) : 3077
Special provisions (IMDG) : 274, 335, 966, 967, 969
Limited quantities (IMDG) : 5 kg
Excepted quantities (IMDG) : E1
Packing instructions (IMDG) : LP02, P002
Special packing provisions (IMDG) : PP12
IBC packing instructions (IMDG) : IBC08
IBC special provisions (IMDG) : B3
Tank instructions (IMDG) : BK1, BK2, BK3, T1
Tank special provisions (IMDG) : TP33
EmS-No. (Fire) : F-A - FIRE SCHEDULE Alfa - GENERAL FIRE SCHEDULE
EmS-No. (Spillage) : S-F - SPILLAGE SCHEDULE Foxtrot - WATER-SOLUBLE MARINE POLLUTANTS
Stowage category (IMDG) : A
Stowage and handling (IMDG) : SW23
MFAG-No : 171

Air transport

UN-No. (IATA) : 3077
PCA Excepted quantities (IATA) : E1
PCA Limited quantities (IATA) : Y956
PCA limited quantity max net quantity (IATA) : 30kgG
PCA packing instructions (IATA) : 956
PCA max net quantity (IATA) : 400kg
CAO packing instructions (IATA) : 956
CAO max net quantity (IATA) : 400kg
Special provisions (IATA) : A97, A158, A179, A197, A215
ERG code (IATA) : 9L

14.8. Hazchem or Emergency Action Code

Hazchem Code : 2Z

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations specific for the product in question

No additional information available

15.2. International agreements

No additional information available

SECTION 16: Other information

Revision date : 13/01/2023

Classification	
Skin Irrit. 2	H315
Eye Irrit. 2A	H319
Carc. 1B	H350
Repr. 1A	H360
Lact.	H362
STOT RE 1	H372

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Full text of H-statements	
Acute Tox. 5 (Oral)	Acute toxicity (oral), Category 5
Aquatic Acute 1	Hazardous to the aquatic environment – Acute Hazard, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment – Chronic Hazard, Category 1
Carc. 1B	Carcinogenicity, Category 1B
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2A	Serious eye damage/eye irritation, Category 2A
Lact.	Reproductive toxicity, Additional category, Effects on or via lactation
Repr. 1A	Reproductive toxicity, Category 1A
Skin Corr. 1	Skin corrosion/irritation, Category 1
Skin Irrit. 2	Skin corrosion/irritation, Category 2
STOT RE 1	Specific target organ toxicity – Repeated exposure, Category 1
STOT SE 3	Specific target organ toxicity – Single exposure, Category 3, Respiratory tract irritation
H303	May be harmful if swallowed
H314	Causes severe skin burns and eye damage
H315	Causes skin irritation
H318	Causes serious eye damage
H319	Causes serious eye irritation
H335	May cause respiratory irritation
H350	May cause cancer
H360	May damage fertility or the unborn child
H362	May cause harm to breast-fed children
H372	Causes damage to organs through prolonged or repeated exposure
H400	Very toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects

Safety Data Sheet (SDS), Australia

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.