



Safety Data Sheet

302 Mould Release Agent

This product is NOT classified as Hazardous according to criteria of NOHSC.
This product is NOT classified as a Dangerous Goods for transport by road and rail.

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

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Substance: Chemlube 302 Mould Release Agent
Product name: 302 Mould Release Agent
Product Use: Release agent, cleaner and rejuvenator for rubber, plastic, vinyl etc
Creation Date: 25 February 2014

2. COMPOSITION/INFORMATION ON INGREDIENTS

Recommended Use: As a high viscosity release agent in the moulding of all rubber components

Appearance: Opaque liquid

Chemical Entity	CAS NO.	Proportion (% weight/weight)
Polydimethylsiloxane	63148-62-9	>60%
Carbopol	N/A	<10%
Oleic Acid	112-80-1	<10%
Alcohol Ethoxylate	68131-39-5	<10%
Diethylene Oximide	110-91-8	<10%

3. HAZARDS IDENTIFICATION

A. EMERGENCY OVERVIEW:

Physical Appearance and Odor:
Clear oil.

Warning statements:

Based on available information, NOT classified as hazardous according to health criteria of NOHSC Australia.

B. POTENTIAL HEALTH EFFECTS:

Eye: Slightly Irritating.

Skin: Considered to be non-irritant.

Inhalation: Extremely low volatility. No significant risk of inhalation.

Ingestion: Will not generally cause irritation to mouth, throat and stomach.

Chronic Effects: Does not present any particular risk, on handling under normal conditions of good occupational hygiene practice.



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4. FIRST AID MEASURES

- Ingestion:** Do NOT give an unconscious person anything to drink. Consult a doctor if necessary.
- Eye contact:** Immediately rinse with water for a prolonged period whilst keeping the eyes wide open. If irritation persists, consult an eye specialist.
- Skin contact:** Wipe off as much as possible (using a clean, soft, absorbent material). Wash immediately with plenty of soap and water.
- Inhalation:** Not specifically applicable.

Notes to physician: Treat symptomatically. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred. No specific antidote available.

5. FIRE-FIGHTING MEASURES

Flash Point: 300°C (closed cup)

Flammability Limits: (% Vol): Non-flammable

Suitable extinguishing media: Foam, powders, Carbon dioxide (CO₂)

Hazards from combustion products: On combustion or on thermal decomposition (pyrolysis) releases:

- Highly flammable gases which generate fire or explosion hazards
- Flammable vapours which may generate fire or explosion hazards
- Toxic gases (Carbon oxides (CO + CO₂)).
- Hazardous dusts (Silica).

Precautions for Firefighters and Special Protective Equipment:

Cool down the containers/equipment exposed to heat with a water spray. Use self-contained breathing apparatus. (SCBA). Reaction with strong alkalines at temperatures above 120°C will form flammable, volatile siloxanes.

6. ACCIDENTAL RELEASE MEASURES

Cleanup and Disposal of Spill: Wear safety glasses. Presents slipping hazard on floors. Stop the leak. Turn leaking containers leak-side up to prevent the escape of liquid. Wipe or soak up in inert material for disposal. Wash walking surfaces with detergent and water.

For a large spillage, contain the spillage by bunding. Do NOT discharge into drains or rivers.

Incinerate contaminated materials at an authorized installation.

Collect up the product and place it in a spare container, suitably labeled with a closing device. Keep the recovered product for subsequent disposal.

Neutralisation: Absorb non-recoverable liquid with dry sand or dry inert absorbent. Decontaminate and wash the floor with an appropriate self-emulsifying solvent. Then wash with plenty of water.

7. HANDLING AND STORAGE

Precautions for Safe Handling: Stable under normal storage conditions.

Precautions for Safe Storage: General safe working practice should be adequate.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

National occupational exposure limits: No exposure limit is assigned to this substance.

Engineering measures: No special ventilation required.



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Personal protection equipment: Wear eye goggles. During spraying wear a respiratory device fitted with a gas filter.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form / Colour / Odour: Colourless oil.

Specific Gravity (15°C):	0.95	Melting Point (°C):	N App
Rel. Vapour Density (air=1):	N Av	Boiling Point (°C):	N Av
Vapour Pressure (20°C):	N Av	Decomp. Point (°C):	N Av
Flash Point (°C):	300°C (Closed cup)	Sublimation Point:	N App
Flammability Limits (%):	N Av	pH (1% aqueous soln):	N Av
Autoignition Temp (°C):	N Av	Viscosity (20°C):	N Av
% Volatile by volume:	N Av	Evaporation Rate:	N Av
Solubility in water:	99.9%		

(Typical values only - consult specification sheet)

N Av = Not available N App = Not applicable

10. STABILITY AND REACTIVITY

Stability: Stable under anticipated conditions of storage and handling.

Conditions to Avoid: None known.

Incompatible materials: Strong alkalines at temperatures above 120°C.

11. TOXICOLOGICAL INFORMATION

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms that may arise if the product is mishandled are:

Acute Effects

Ingestion:	LD50 (rat) >5000 mg/kg
Eye contact:	May cause slight temporary irritation to ocular mucous membranes.
Skin contact:	LD50 (rat) >2000 mg/kg
Inhalation:	N Av
Chronic toxicity:	N Av

12. ECOLOGICAL INFORMATION

Ecotoxicity:

Very slightly biodegradable. Very slightly bioaccumulable. Ultimate destination of product: Soil and Sediment.

Effects on the aquatic environment: EC50 (Daphnia magna)/24h:>100 mg/l. (Results obtained on a similar product).

13. DISPOSAL CONSIDERATIONS

Comply with local legislation.

14. TRANSPORT INFORMATION

UN Number	N/A
Class	N/A
Packing Group	N/A

Road and Rail Transport

NOT Classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for transport by Road and Rail.

Marine Transport

NOT Classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.

Air Transport



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NOT Classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.

15. REGULATORY INFORMATION

Based on available information, classified as dangerous goods according to health criteria of NOHSC Australia.

Poisons Schedule (Aust)/Toxic Substance (NZ): N/A

16. OTHER INFORMATION

Any advice, recommendation, information, assistance or service provided by Chem Pack Pty Ltd in relation to the goods supplied by it or their use or application is given in good faith and believed to be appropriate and reliable. However, it is provided with a disclaimer for any liability or responsibility on the part of Chem Pack Pty Ltd. The customer accepts all risk and responsibility for use of the goods alone, or in combination with other products. All warranties, guarantees and conditions, other than those expressly stated, and when implied by statute, common law, custom of the trade or otherwise, are to the extent that the law permits, expressly excluded.