

Material Safety Data Sheet

Beam ML702

Issue Date: 1/11/2018

Issued by Beam Rustproofing

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name Beam ML702

Company Name Beam Rustproofing
Address 27 Hargreaves Street
Belmont WA 6104

Telephone (08) 9325 1399
Fax (08) 9325 2431
Recommended Use Dry Film - anti-corrosive metal coating
Other Names Automotive Upper body Dry Film Rust Inhibitor

2. HAZARDS IDENTIFICATION

Hazard Classification: HAZARDOUS
Dangerous Goods Classification: DANGEROUS GOODS – According to the Criteria of NOHSC, and the ADG Code.

Poisons Schedule: S5

RISK

Flammable.
HARMFUL – May cause lung damage if Swallowed.
Repeated exposure may cause skin dryness and cracking.
Vapours may cause drowsiness and Dizziness.
Inhalation and/or ingestion may produce health damage*.
Cumulative effects may result following exposure*.
May produce discomfort of the eyes and respiratory tract*.
Limited evidence of a carcinogenic effect*.
*(limited evidence).

SAFETY

Do not breathe gas/fumes/vapour/spray
Avoid contact with eyes.

Wear suitable protective clothing

Use only in well ventilated areas

Keep container in a well ventilated place.

To clean the floor and all objects contaminated by this material use water and detergent.
Keep container tightly closed.

Keep away from food drink and animal feeding stuffs.

Take off immediately all contaminated clothing.
In case of contact with eyes rinse with plenty of water and contact Doctor of Poisons Information Centre.
If swallowed IMMEDIATELY contact Doctor of Poisons Information Centre. (show this container or label).
This material and its container must be disposed of as hazardous waste.

3. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Name</u>	<u>CAS No</u>	<u>%</u>
Alkanes, C11- 13- iso	64742-48-9	<50
Paraffinic distillate, heavy, hydrotreated (severe)	64742-54-7	<2
Paraffinic distillate, heavy, solvent- refined (severe)	64741-88-4	<2
Naphthenic distillate, heavy, hydrotreated (severe)	64742-52-5	<2
Non hazardous ingredients		balance

4. FIRST AID MEASURES

Swallowed: If swallowed do NOT induce vomiting.
If vomiting occurs, lean patient forward or place on left side (head-down position, if possible) to maintain open airway and prevent aspiration.
Avoid giving milk or oils.
Avoid giving alcohol.
If spontaneous vomiting appears imminent or occurs, hold patients head down, lower than their hips to help avoid possible aspiration of vomitus.

Eye: Wash out immediately with fresh running water.
Ensure complete irrigation of the eye by keeping eyelids apart and away from eye and moving eyelids by occasionally lifting upper and lower lids.

Skin: Immediately remove all contaminated clothing, including footwear.
Flush skin and hair with running water (and soap if available).

Inhaled: Leave contaminated area. Lay patient down. Keep warm and rested.

Advice to Doctor: Any material aspirated during vomiting may produce lung injury. Therefore emesis should not be

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induced mechanically or pharmacologically.

For acute or short term repeated exposures to petroleum distillates or related hydrocarbons:

- Primary threat to life, from pure petroleum distillate ingestion and/or inhalation, is respiratory failure.
- Patients should be quickly evaluated for signs of respiratory distress (e.g. cyanosis, tachypnoea, intercostal retraction, obtundation) and given oxygen. Patients with inadequate tidal volumes or poor arterial blood gases (pO₂ 50 mm Hg) should be intubated.

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media: Foam and dry chemical powder.

Fire Fighting: Alert Fire Brigade and tell them location and nature of hazard.

May be violently or explosively reactive.

Fire/Explosion Hazard: Liquid and vapour are flammable.

Moderate fire hazard when exposed to heat or flame.

- Combustion products include: carbon dioxide(CO₂)
sulfur oxides (Sox)
metal oxides
other pyrolysis products typical of burning organic material.

CARE: Water in contact with hot oil may cause foaming and a steam explosion with wide scattering of hot oil and possible severe burns. Foaming may cause overflow of containers and may result in possible fire.

Fire Incompatibility: Avoid contamination with oxidizing agents i.e. nitrates, oxidising acids, chlorine bleaches, pool chlorine etc.

Hazchem: 3Y

6. ACCIDENTAL RELEASE MEASURES

Emergency Procedures:

MINOR SPILLS

Remove all ignition sources.

Clean up all spills immediately.

MAJOR SPILLS

Clear area of personnel and move upwind.

Alert Fire Brigade and tell them location and nature or hazard.

Personal Protective Equipment advice is contained in Section 8 of the MSDS.

7. HANDLING AND STORAGE

Procedure for handling:

Containers, even those that have been emptied, may contain explosive vapours.

Do NOT cut, drill, grind, weld or perform similar operations on or near containers.

Do NOT allow clothing wet with material to stay in contact with skin.

Electrostatic discharge may be generated during pumping – this may result in fire.

Ensure electrical continuity by bonding and grounding (earthing) all equipment.

Avoid all personal contact, including inhalation.

Wear protective clothing when risk of overexposure occurs.

Suitable Container:

Packing as supplied by manufacturer.

Plastic containers may only be used if approved for flammable liquid.

For low viscosity materials (i) : Drums and jerry cans must be of non-removable head type.

(ii) : Where a can is to be used as an inner package, the can must have a screwed enclosure.

For materials with a viscosity of at least 2680 cSt. (23 deg. C).

Storage Incompatibility:

Avoid reaction with oxidising agents.

Storage Requirements:

Store in original containers in approved flammable liquid storage area.

DO NOT store in pits, depressions, basements or areas where vapours may be trapped.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

The following materials had no OELs on our records

Name

CAS No

Alkanes, C11- 13- iso

64742-48-9

Paraffinic distillate, heavy, hydrotreated (severe)

64742-54-7

Paraffinic distillate, heavy, solvent- refined (severe)

64741-88-4

Naphthenic distillate, heavy, hydrotreated (severe)

64742-52-5

Respiratory Protection:

Type A-P Filter of sufficient capacity

Eye Protection:

Safety glasses with side shields or goggles as appropriate should be worn.

Hand Protection:

Wear chemical protective gloves, eg. PVC.

Suitability and durability of glove type is dependent on usage.

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Factors such as: frequency and duration of contact,
Chemical resistance of glove material,

Body Protection:

Overalls

PVC Apron

Some plastic personal equipment (PPE) (e.g. gloves, aprons, overshoes) are not recommended as they may produce static electricity.

Engineering Controls:

For flammable liquids and flammable gases, local exhaust ventilation or a process enclosure ventilation system may be required.

Ventilation equipment should be explosion-resistant.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:

Family of products which vary in their physical properties as a result of variations in production. Data represented here is for typical family member.

State:

Liquid

Physical Properties:

Does not mix with water.

Boiling Range (Deg.C):

<200

Specific Gravity:

(Water=1) Not Available

Flashpoint (Deg.C):

40 (CC)

Solubility in Water (g/L):

Immiscible

Molecular Weight:

Not Applicable

Melting Range(°C):

Not Available

pH (1% solution):

Not Applicable

Vapour Pressure (kPa):

Not Available

Volatile Component (%vol):

Not Available

Evaporation Rate:

Not Available

Relative Vapour Density (air=1):

>1

Upper Explosive Limit (%):

6.0

Lower Explosive Limit (%):

1.0

Autoignition Temp (°C):

>200

Decomposition Temp (°C):

Not Available

Viscosity:

Not Available

10. STABILITY AND REACTIVITY

Conditions contributing to instability:

Presence of incompatible materials.

Product is considered stable.

11. TOXICOLOGICAL INFORMATION

Potential Health Effects

ACUTE HEALTH EFFECTS

HARMFUL – May cause lung damage if swallowed

Vapours may cause dizziness or suffocation

Vapours may cause drowsiness and dizziness

Inhalation and/or ingestion may produce health damage*.

May produce discomfort of the eyes and respiratory tract*.

* (limited evidence).

CHRONIC HEALTH EFFECTS

Repeated exposure may cause skin dryness and cracking

Limited evidence of a carcinogenic effect*.

Cumulative effects may result following exposure*.

* (limited evidence).

Toxicity and Irritation

Not available.

Refer to individual constituents.

ALKANES, C11-13-ISO-:

Unless otherwise specified data extracted from RTECS – Register of Toxic Effects of Chemical Substances.

TOXICITY

Oral (rat) LD50: >10000 mg/kg

Inhalation (rat) LC50: >5010 mg/m³/4h

Dermal (rabbit) LD50: >3200 mg/kg

For C10- 12- isoparaffins:

IRRITATION

Nil Reported

PARAFFINIC DISTILLATE, HEAVY, HYDROTREATED (SEVERE):

Unless otherwise specified data extracted from RTECS – Register of Toxic Effects of Chemical Substances.

TOXICITY

Oral (rat) LD50: >15000 mg/kg

Dermal (Rabbit) None: >5000 mg/kg

IRRITATION

Nil Reported

The substance is classified by IARC as Group 3:

NOT classifiable as to its carcinogenicity to humans.

Evidence of carcinogenicity may be inadequate or limited in animal testing.

PARAFFINIC DISTILLATE, HEAVY, SOLVENT-REFINED (SEVERE):

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No data of toxicological significance identified in literature search.
The substance is classified by IARC as Group 3:
Not classifiable as to its carcinogenicity to humans.
Evidence of carcinogenicity may be inadequate or limited in animal testing.

NAPHTHENIC DISTILLATE, HEAVY, HYDROTREATED (SEVERE):
Unless otherwise specified data extracted from RTECS – Register of Toxic Effects of Chemical Substances.
No significant acute toxicological data identified in literature search.
Note: Substance has been shown to be mutagenic in at least one assay, or belongs to a family of chemicals producing damage or change to cellular DNA.
The substance is classified by IRAC as Group 3.
NOT classifiable as to its carcinogenicity to humans.
Evidence of carcinogenicity may be inadequate or limited in animal testing.

<u>MATERIAL</u>	<u>CARCINOGEN</u>	<u>REPROTOXIN</u>	<u>SENSITISER</u>	<u>SKIN</u>
paraffinic distillate heavy hydrotreated (severe)	IARC:3			
paraffinic distillate, heavy , solvent-refined (severe) naphthenic distillate, heavy, hydrotreated (severe)	IARC:3 IARC:3			

CARCINOGEN

IARC: International Agency for Research on Cancer (IARC) Carcinogens: paraffinic distillate, heavy, hydrotreated (severe) Category: The substance is classified by IARC as Group 3: NOT classifiable as to its carcinogenicity to humans. Evidence of carcinogenicity may be inadequate or limited in animal testing.

12. ECOLOGICAL INFORMATION

Marine Pollutant: Not Determined

This material and its container must be disposed of as hazardous waste.

13. DISPOSAL CONSIDERATIONS

Legislation addressing waste disposal requirements may differ by country, state and/or territory. Each user must refer to laws operating in their area.

DO NOT allow wash water from cleaning or process equipment to enter drains.

It may be necessary to collect all wash water for treatment before disposal.

- Recycle wherever possible.
- Consult manufacturer for recycling options or consult local or regional waste management authority for disposal if no suitable treatment or disposal facility can be identified.

14. TRANSPORT INFORMATION

UN Number: 1139
Dangerous Goods Class: 3
Subrisk: None
Hazchem Code: 3YE
Packaging Group: III
Information: Shipping name: COATING SOLUTION (includes surface treatments or coatings used in industrial or other purposes such as vehicle undercoating, drum or bar.

Air Transport IATA:

ICAO/IATA Class: 3
ICAO/IATA Subrisk: None
UN/ID Number: 1139
Packaging Group: III
Special provisions: A3
Shipping Name: CAS_Check~

Maritime Transport IMDG:

IMDG Class: 3
IMDG Subrisk: None
UN Number: 1139
Packaging Group: III
EMS Number: F-E, S-E
Special provisions: 944

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Limited Quantities: 5L
Marine Pollutant: Not Determined
Shipping Name: COATING SOLUTIONS

15. REGULATORY INFORMATION

Poisons Schedule: S5
Regulations: (CAS: None):
No regulations applicable

alkalines, C11-13-iso- (CAS:64742-48-9) is found on the following regulatory lists;

Australia Hazardous Substances
Australia High Volume Industrial Chemical List (HVICL)
Australia Standard for the Uniform Scheduling of Drugs and Poisons (SUSDP) – Schedule 5
International Air Transport Association (IATA) Dangerous Goods Regulations
International Council of Chemical Associations (ICCA) – High Production Volume List
OECD Representative List of High Production Volume (HPV) Chemicals

paraffinic distillate, heavy, solvent-refined (severe) (CAS:64742-54-7) is found on the following regulatory lists;

Australia Hazardous Substances
Australia High Volume Industrial Chemical List (HVICL)
Australia Standard for the Uniform Scheduling of Drugs and Poisons (SUSDP) – Schedule 5
International Agency for Research on Cancer (IARC) Carcinogens
OECD Representative List of High Production Volume (HPV) Chemicals

paraffinic distillate, heavy, solvent-refined (severe) (CAS:64741-88-4) is found on the following regulatory lists;

Australia Hazardous Substances
Australia High Volume Industrial Chemical List (HVICL)
International Agency for Research on Cancer (IARC) Carcinogens
OECD Representative List of High Production Volume (HPV) Chemicals

Naphthenic distillate, heavy, hydrotreated (severe) (CAS:64742-52-5) is found on the following regulatory lists;

Australia Hazardous Substances
Australia High Volume Industrial Chemical List (HVICL)
International Agency for Research on Cancer (IARC) Carcinogens
OECD Representative List of High Production Volume (HPV) Chemicals

16. OTHER INFORMATION

The information presented herein is true and accurate to the best of our knowledge, but without guarantee unless explicitly given. Since the conditions of use are beyond our control, we disclaim any liability including for patent infringement incurred in connection with the use of these products, data and suggestions.

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Dated: 1/11/2018