



## SAFETY DATA SHEET

### Section 1. Identification of the material and the supplier

Product: **Dinitrol ML**  
Product Use: Anti-corrosive coating  
Restriction of Use: Refer to Section 15

New Zealand Supplier: **Auto Body Equipment**  
Address: 17 The Boulevard  
Te Rapa, Hamilton, 3200  
New Zealand

Telephone: +64 7 849 3514  
Email: office@abe.co.nz  
**Emergency No: 0800 764 766 (National Poison Centre)**

Date of SDS Preparation: 5 December 2022

### Section 2. Hazards Identification

This substance is hazardous according to the EPA Hazardous Substances (Classification) Notice 2020

**EPA Approval No: Corrosive inhibitors (Flammable) – HSR002548**

#### Pictograms:



Flammable



Irritant

Signal Word: **Warning**

| GHS Classification and Category | Hazard Code | Hazard Statement                   |
|---------------------------------|-------------|------------------------------------|
| Flammable Liquids Cat. 3        | H226        | Flammable liquid and vapour.       |
| Narcotic effects                | H336        | May cause drowsiness or dizziness. |

| Prevention Code | Prevention Statement  |
|-----------------|---|
| P103            | Read label before use.  |
| P210            | Keep away from heat, sparks, open flames or hot surfaces. No smoking. |
| P233            | Keep container tightly closed.  |
| P240            | Ground, bond container and receiving equipment.                       |
| P241            | Use explosion-proof electrical, ventilating and lighting.             |
| P242            | Use only non-sparking tools.  |
| P243            | Take precautionary measures against static discharge.                 |
| P261            | Avoid breathing dust, fumes, gas, mist, vapours or spray.             |

|      |  |
|------|--|
| P271 | Use only outdoors or in a well-ventilated area.    |
| P280 | Wear protective clothing as detailed in Section 8. |

| Response Code    | Response Statement   |
|------------------|--|
| P312             | Call a POISON CENTER or doctor/physician if you feel unwell.   |
| P303 + P361+P353 | IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. |
| P370 + P378      | In case of fire: Use carbon dioxide (CO <sub>2</sub> ), foam, extinguishing powder for extinction.         |

| Storage Code | Storage Statement  |
|--------------|--|
| P405         | Store locked up.   |
| P403 + P233  | Store in a well-ventilated place. Keep container tightly closed. |
| P403 + P235  | Store in a well-ventilated place. Keep cool.                     |

| Disposal Code | Disposal Statement                                       |
|---------------|--|
| P501          | Dispose of according to Local Regulations or Authorities |

### Section 3. Composition / Information on Hazardous Ingredients

| Ingredients   | Wt%     | CAS NUMBER. |
|---|---------|-------------|
| Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics | 80 - 85 | 64742-48-9  |
| calcium sulfonate   | 1 - 5   | 61789-86-4  |

### Section 4. First Aid Measures

Routes of Exposure:

|              |   |
|--------------|---|
| If in Eyes   | Rinse cautiously with water for several minutes. If eye irritation persists: Get medical advice.  |
| If on Skin   | Wash with plenty of water/soap. If skin irritation occurs: Get medical advice/attention.  |
| If Swallowed | Rinse mouth. Never give anything to the mouth of an unconscious person. If vomiting occurs, place victim face downwards, with the head turned to the side and lower than the hips to prevent vomit entering the lungs. Immediately call a POISON CENTER or doctor/physician.                  |
| If Inhaled   | Remove person to fresh air. Remove contaminated clothing and loosen remaining clothing. Allow person to assume most comfortable position and keep warm. Keep at rest until fully recovered. Apply artificial respiration if not breathing. Get medical advice if breathing becomes difficult. |

### Most important symptoms and effects, both acute and delayed

Symptoms: May cause drowsiness or dizziness.

### Section 5. Fire Fighting Measures

|   |   |
|---|---|
| <b>Hazard Type</b>                      | Flammable Liquid or vapours can form explosive mixtures with air.   |
| <b>Hazards from products</b>            | No data available.  |
| <b>Suitable Extinguishing media</b>     | Carbon dioxide (CO <sub>2</sub> ), Foam, Extinguishing powder, water fog. Do not use high power water jet.                |
| <b>Precautions for firefighters and</b> | In case of fire: Wear self-contained breathing apparatus. Use water spray jet to protect personnel and to cool endangered |

|                                    |   |
|------------------------------------|---|
| <b>special protective clothing</b> | containers. Suppress gases/vapours/mists with water spray jet. Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water. |
| <b>HAZCHEM CODE</b>                | <b>3Y</b>   |

## Section 6. Accidental Release Measures

Wear protective gear as detailed in Section 8. Remove all sources of ignition. Do not breathe gas/fumes/vapour/spray. Avoid contact with skin, eyes and clothes. Provide adequate ventilation.

Do not allow uncontrolled discharge of product into the environment.

Prevent spread over a wide area (e.g. by containment or oil barriers). Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents). Treat the recovered material as prescribed in the section on waste disposal.

Dispose of waste according to the applicable local regulations detailed in Section 13.

## Section 7. Handling and Storage

### Precautions for Handling:

- Read label before use.
- Keep away from heat, sparks, open flames or hot surfaces. No smoking.
- Keep container tightly closed.
- Ground, bond container and receiving equipment.
- Use explosion-proof electrical, ventilating and lighting.
- Use only non-sparking tools.
- Take precautionary measures against static discharge.
- Do not breathe dust, fumes, gas, mist, vapours or spray.
- Use only outdoors or in a well-ventilated area. If handled uncovered, arrangements with local exhaust ventilation has to be used.
- Wear protective clothing as detailed in Section 8.
- Keep away from food, drink and animal feedingstuffs.
- Remove contaminated, saturated clothing immediately.
- Wash hands and face before breaks and after work and take a shower if necessary.
- When using do not eat or drink.

### Precautions for Storage:

- Store away from incompatible materials listed in Section 10.
- Keep out of reach of children.
- Store locked up.
- Store in a well-ventilated place. Keep container tightly closed in a cool place.

## Section 8 Exposure Controls / Personal Protection

### WORKPLACE EXPOSURE STANDARDS (provided for guidance only)

| Substance | TWA                   | STEL                  |
|-----------|-----------------------|-----------------------|
|           | ppm mg/m <sup>3</sup> | ppm mg/m <sup>3</sup> |

No ingredients have exposure limits

Workplace Exposure Standard – Time Weighted Average (WES-TWA). The time-weighted average exposure standard designed to protect the worker from the effects of long-term exposure. Workplace Exposure Standard – Short-Term Exposure Limit (WESSTEL). The 15-minute average exposure standard. Applies to any 15- Minute period in the working day and is designed to protect the worker against adverse effects of irritation, chronic or irreversible tissue change, or narcosis that may increase the likelihood of accidents. The WES-STEL is not an alternative to the WES-TWA; both the short-term and time-weighted average exposures apply. Workplace Exposure Standards and Biological Exposure Indices APRIL 2022 13TH EDITION.

### DNEL Values:

Product Name: Dinitrol ML  
Date of SDS: 5 December 2022

SDS Prepared by: Technical Compliance Consultants (NZ) Ltd  
Tel: 64 9 475 5240 www.techcomp.co.nz

| CAS No                   | Substance   |                |          |                  |
|--------------------------|---|----------------|----------|------------------|
| DNEL type                |   | Exposure route | Effect   | Value            |
| 61789-86-4               | calcium sulfonate   |                |          |                  |
| worker DNEL, long-term   |   | dermal         | systemic | 3,33 mg/kg       |
| worker DNEL, long-term   |   | dermal         | local    | 1,03 mg/cm²      |
| Consumer DNEL, long-term |   | inhalation     | systemic | 2,9 mg/m³        |
| Consumer DNEL, long-term |   | dermal         | systemic | 1,667 mg/kg      |
| Consumer DNEL, long-term |   | dermal         | local    | 0,513 mg/cm²     |
| Consumer DNEL, long-term |   | oral           | systemic | 0,8333 mg/kg     |
| worker DNEL, long-term   |   | inhalation     | systemic | 11,75 mg/m³      |
| 64742-48-9               | Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics |                |          |                  |
| worker DNEL, long-term   |   | dermal         | systemic | 300 mg/kg bw/day |
| worker DNEL, long-term   |   | inhalation     | systemic | 1500 mg/m³       |
| Consumer DNEL, long-term |   | inhalation     | systemic | 900 mg/m³        |
| Consumer DNEL, long-term |   | dermal         | systemic | 300 mg/kg bw/day |
| Consumer DNEL, long-term |   | oral           | systemic | 300 mg/kg bw/day |

### PNEC Values:

| CAS No   | Substance         |  |                 |
|--|-------------------|--|-----------------|
| Environmental compartment                        |                   |  | Value           |
| 61789-86-4                                       | calcium sulfonate |  |                 |
|  |                   |  |                 |
| Freshwater                                       |                   |  | 1 mg/l          |
| Marine water                                     |                   |  | 1 mg/l          |
| Freshwater sediment                              |                   |  | 226000000 mg/kg |
| Marine sediment                                  |                   |  | 226000000 mg/kg |
| Secondary poisoning                              |                   |  | 16667 mg/kg     |
| Micro-organisms in sewage treatment plants (STP) |                   |  | 1000 mg/l       |
| Soil   |                   |  | 271000000 mg/kg |

### Engineering Controls

Provide adequate ventilation.

If handled uncovered, arrangements with local exhaust ventilation have to be used. Do not breathe gas/fumes/vapour/spray.

### Personal Protection Equipment



|                    |  |
|--------------------|--|
| <b>Eyes</b>        | Eye glasses with side protection (EN 166).   |
| <b>Skin</b>        | <p>Tested protective gloves must be worn (EN ISO 374):</p> <p>FKM (fluoro rubber) penetration time (maximum wearing period): 480 min.</p> <p>NBR (Nitrile rubber) penetration time (maximum wearing period): 480 min.</p> <p>For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.</p> <p>Protective gloves have to be replaced at the first sign of deterioration.</p> <p>Protect skin by using skin protective cream.</p> <p>Wear anti-static footwear and clothing.</p> |
| <b>Respiratory</b> | Work in well-ventilated zones or use proper respiratory protection. gas filtering equipment (EN 141)., Filter material/medium:   |

## Section 9 Physical and Chemical Properties

Product Name: Dinitrol ML  
Date of SDS: 5 December 2022

SDS Prepared by: Technical Compliance Consultants (NZ) Ltd  
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|   |                                  |
|---|----------------------------------|
| <b>Form</b>                             | Liquid                           |
| <b>Colour</b>                           | Brown                            |
| <b>Odour</b>                            | Characteristic                   |
| <b>Odour Threshold</b>                  | Not available                    |
| <b>pH @20°C</b>                         | Not available                    |
| <b>Boiling Point</b>                    | 154 - 193°C                      |
| <b>Melting Point</b>                    | Not available                    |
| <b>Freezing Point</b>                   | Not available                    |
| <b>Flash Point</b>                      | 40°C                             |
| <b>Flammability</b>                     | Flammable                        |
| <b>Upper and Lower Explosive Limits</b> | 0.6 Vol% - 7 Vol %               |
| <b>Vapour Pressure @20°C</b>            | 3 hPa                            |
| <b>Density@ 20°C</b>                    | 0,84 g/cm <sup>3</sup> DIN 51757 |
| <b>Specific Gravity</b>                 | Not available                    |
| <b>Water Solubility</b>                 | Not available                    |
| <b>Partition Coefficient:</b>           | Not available                    |
| <b>Ignition Temperature</b>             | >200°C                           |
| <b>Decomposition Temperature</b>        | Not available                    |
| <b>Kinematic Viscosity @20°C</b>        | Not available                    |
| <b>Particle Characteristics</b>         | Not available                    |
| <b>Solvent content</b>                  | 54.5%                            |
| <b>Solids content</b>                   | 45.0%                            |
| <b>Flow time @ 20°C</b>                 | 60                               |

## Section 10. Stability and Reactivity

|   |   |
|---|---|
| <b>Stability of Substance</b>             | This product is stable under normal conditions.   |
| <b>Possibility of hazardous reactions</b> | No hazardous reaction when handled and stored according to provisions.  |
| <b>Conditions to Avoid</b>                | Keep away from sources of heat (e.g. hot surfaces), sparks and open flames. Vapours can form explosive mixtures with air. |
| <b>Incompatible Materials</b>             | None known.   |
| <b>Hazardous Decomposition Products</b>   | Carbon monoxide.  |

## Section 11 Toxicological Information

### Acute Effects:

|                   |                 |
|-------------------|-----------------|
| <b>Swallowed</b>  | Not applicable. |
| <b>Dermal</b>     | Not applicable. |
| <b>Inhalation</b> | Not applicable. |
| <b>Eye</b>        | Not applicable. |
| <b>Skin</b>       | Not applicable. |

### Chronic Effects:

|                               |                                    |
|-------------------------------|------------------------------------|
| <b>Carcinogenicity</b>        | Not applicable.                    |
| <b>Reproductive Toxicity</b>  | Not applicable.                    |
| <b>Germ Cell Mutagenicity</b> | Not applicable.                    |
| <b>Aspiration</b>             | Not applicable.                    |
| <b>STOT/SE</b>                | Not applicable.                    |
| <b>STOT/RE</b>                | May cause drowsiness or dizziness. |

**Acute Toxicity for components:**

| CAS No     | Chemical name   |                    |         |        |        |
|------------|---|--------------------|---------|--------|--------|
|            | Exposure route  | Dose               | Species | Source | Method |
| 64742-82-1 | Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%) |                    |         |        |        |
|            | oral  | LD50 >150000 mg/kg | Rat     |        |        |
|            | dermal  | LD50 >3400 mg/kg   | Rat     |        |        |
| 64742-48-9 | Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics     |                    |         |        |        |
|            | oral  | LD50 >5000 mg/kg   | Rat     |        |        |
|            | dermal  | LD50 >5000 mg/kg   | Rabbit  |        |        |
|            | inhalation (4 h) vapour   | LC50 >4951 mg/l    | Rat     |        |        |

**Section 12. Ecotoxicological Information**

Not hazardous to the environment.

**Persistence and Degradability:**

The product has not been tested.

| CAS No     | Chemical name   |          |
|------------|---|----------|
|            | Method  | Value    |
|            | Evaluation  | Standard |
| 64742-48-9 | Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics |          |
|            | 80%   |          |
|            | Readily biodegradable (according to OECD criteria).                 |          |

**Bioaccumulative Potential:**

The product has not been tested.

**Mobility in Soil:**

The product has not been tested.

**Section 13. Disposal Considerations****Disposal Method:**

Spent media that has removed toxic chemicals should be examined for specific hazards. Spilled product may be recovered for use if it has not come in contact with liquids or been exposed to significant amounts of gaseous contaminants. Dispose of according to Local Regulations.

Ensure any container holding waste product or contaminated spill media is labelled "Hazardous Waste – Flammable" and that the label also has the Flammable Pictogram, and the business name, address, and phone number.

**Precautions or methods to avoid:** None known.

**Section 14 Transport Information**

**This product is classified as a Dangerous Good for transport in NZ ; NZS 5433:2020**

**Road and Rail Transport**

UN No: 1139  
 Class-primary: 3  
 Packing Group: III

Product Name: Dinitrol ML  
 Date of SDS: 5 December 2022

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Proper Shipping Name: COATING SOLUTION  
**Air Transport**  
 UN No: 1139  
 Class-primary 3  
 Packing Group III  
 Proper Shipping Name: COATING SOLUTION  
**Marine Transport**  
 UN No: 1139  
 Class-primary 3  
 Packing Group III  
 Proper Shipping Name: COATING SOLUTION  
 Marine Pollutant: No

### **Special Provisions:**

If the product's individual container is below 5L/kg, it can be transported as a non-DG as long as the product packaging is still labelled as per DG requirements and the driver is given safety information in accordance with Chapter 3.4 of the UNRTDG.

## **Section 15 Regulatory Information**

### **New Zealand:**

This substance is classified hazardous according to the EPA Hazardous Substances (Classification) Notice 2020

EPA Approval Code: Corrosive inhibitors (Flammable) – HSR002548

| <b>HSW (HS) Regulations 2017 and EPA Notices</b> | <b>Trigger Quantity</b>            |
|--|------------------------------------|
| Certified Handler                                | Not required                       |
| Location Certificate                             | 500L(5L), 1500L(<5L), 250L open    |
| Tracking Trigger Quantities                      | Not required                       |
| Signage Trigger Quantities                       | 1000L                              |
| Emergency Response Plan                          | 10 000L                            |
| Secondary Containment                            | 10 000L                            |
| Fire Extinguishers                               | 500L - require 2X                  |
| Restriction of Use                               | Only use for the intended purpose. |

## **Section 16 Other Information**

### **Glossary**

|                  |   |
|------------------|---|
| EC <sub>50</sub> | Median effective concentration.   |
| EEL              | Environmental Exposure Limit.   |
| EPA              | Environmental Protection Authority  |
| HSNO             | Hazardous Substances and New Organisms.   |
| HSW              | Health and Safety at Work.  |
| LC <sub>50</sub> | Lethal concentration that will kill 50% of the test organisms inhaling or ingesting it. |
| LD <sub>50</sub> | Lethal dose to kill 50% of test animals/organisms.                                      |
| LEL              | Lower explosive level.  |
| OSHA             | American Occupational Safety and Health Administration.                                 |
| TEL              | Tolerable Exposure Limit.   |
| TLV              | Threshold Limit Value-an exposure limit set by responsible authority.                   |
| UEL              | Upper Explosive Level   |
| WES              | Workplace Exposure Limit  |

### **References:**

1. EPA Hazardous Substances (Safety Data Sheets) Notice 2017
2. Workplace Exposure Standards and Biological Exposure Indices April 2022 edition.
3. Assigning a hazardous substance to a HSNO Approval (Aug 2013).
4. Transport of Dangerous goods on land NZS 5433:2020

Disclaimer

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Please contact Auto Body Equipment, if further information is required.

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