



## 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>

<b>Section 6. Accidental Release Measures</b>
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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.

<b>Section 7. Handling and Storage</b>
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**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.

<b>Section 8 Exposure Controls / Personal Protection</b>
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**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:**

CAS No	Substance	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/cm <sup>2</sup>
Consumer DNEL, long-term		inhalation	systemic	2,9 mg/m <sup>3</sup>
Consumer DNEL, long-term		dermal	systemic	1,667 mg/kg
Consumer DNEL, long-term		dermal	local	0,513 mg/cm <sup>2</sup>
Consumer DNEL, long-term		oral	systemic	0,8333 mg/kg
worker DNEL, long-term		inhalation	systemic	11,75 mg/m <sup>3</sup>
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/m <sup>3</sup>
Consumer DNEL, long-term		inhalation	systemic	900 mg/m <sup>3</sup>
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  
Tel: 64 9 475 5240 www.techcomp.co.nz

<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	
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

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

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

HSW (HS) Regulations 2017 and EPA Notices	Trigger Quantity
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

## 5. HSW (Hazardous Substances) Regulations 2017

### Disclaimer

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

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