



## SAFETY DATA SHEET

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

Product: **Dinitrol 485**  
Product size: 20L  
Product Use: Corrosion inhibitors  
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: 22 July 2019

### Section 2. Hazards Identification

This substance is hazardous according to the EPA Hazardous Substances (Classification) Notice 2017

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

#### Pictograms:



Flammable



Irritant



Asp/ Chronic



Ecotoxic

Signal Word: **DANGER**

HSNO Classes	Hazard Code	Hazard Statement	GHS Category
3.1C	H226	Flammable liquid and vapour.	Flam. Liq. 3
6.1E (asp)	H304	May be fatal if swallowed and enters airways.	Asp. Tox. 1
6.3A	H315	Causes skin irritation.	Skin Irrit. 2
6.5B	H317	May cause an allergic skin reaction.	Skin Sens. 1
6.8B	H361	Suspected of damaging fertility or the unborn child	Repr. 2
6.9A	H372	Causes damage to organs through prolonged or repeated exposure.	STOT RE 1
6.9N	H336	May cause drowsiness or dizziness.	STOT SE 3
9.1B	H411	Toxic to aquatic life with long lasting effects.	Aquatic Chronic 2

Prevention Code	Prevention Statement
P102	Keep out of reach of children.
P103	Read label before use.
P201	Obtain special instructions 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, lighting.
P242	Use only non-sparking tools.
P243	Take precautionary measures against static discharge.
P260	Do not breathe fumes, vapours or spray.
P264	Wash hands thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P271	Use only outdoors or in a well-ventilated area.
P272	Contaminated work clothing should not be allowed out of the workplace.
P273	Avoid release to the environment.
P280	Wear protective clothing as detailed in Section 8.
P281	Use personal protective equipment as required.

Response Code	Response Statement
P101	If medical advice is needed, have product container or label at hand.
P312	Call a POISON CENTER or doctor/physician if you feel unwell.
P331	Do NOT induce vomiting.
P362	Take off contaminated clothing and wash before re-use.
P391	Collect spillage.
P301 + P310	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P303 + P361+P353	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P308 + P313	IF exposed or concerned: Get medical advice/ attention.
P333 + P313	If skin irritation or rash occurs: Get medical advice/attention.
P370 + P378	In case of fire: Use CO2, powder or water spray 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.
Naphtha (petroleum), hydrotreated heavy	25-50	64742-48-9
Naphtha (petroleum), hydrodesulfurized heavy	10-25	64742-82-1
Naphtha (petroleum), hydrotreated heavy	10-25	64742-48-9
Calcium Sulfonate	5-10	61789-86-4

### Section 4. First Aid Measures

Routes of Exposure:

If in Eyes                      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.

If on Skin	Remove/Take off immediately all contaminated clothing and wash before re-use. Rinse skin with water/shower. If skin irritation or rash occurs: get medical advice/attention.
If Swallowed	Do NOT induce vomiting. 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. Call a POISON CENTER if unwell.
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**

<b>Symptoms:</b>	May cause drowsiness or dizziness.
<b>Ingestion:</b>	Not applicable.
<b>Inhalation:</b>	Not applicable.
<b>Skin:</b>	Causes skin irritation.
<b>Eye:</b>	Not applicable.
<b>Chronic:</b>	Suspected of damaging fertility or the unborn child. Causes damage to organs through prolonged or repeated exposure. May be fatal if swallowed and enters airways.

## **Section 5. Fire Fighting Measures**

<b>Hazard Type</b>	Flammable Liquid
<b>Hazards from products</b>	During heating or in case of fire poisonous gases are produced.
<b>Suitable Extinguishing media</b>	CO2, powder or water spray. Fight larger fires with water spray or alcohol resistant foam. Do not use water with full jet.
<b>Precautions for firefighters and special protective clothing</b>	Mount respiratory protective device. Cool endangered receptacles with water spray.
<b>HAZCHEM CODE</b>	<b>3Y</b>

## **Section 6. Accidental Release Measures**

Wear protective gear as detailed in Section 8. Evacuate all unnecessary personnel. Avoid contact with skin, eyes and clothes.

Inform respective authorities in case of seepage into water course or sewage system. Do not allow to enter sewers/ surface or ground water.

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Use neutralising agent. Ensure adequate ventilation. Do not flush with water or aqueous cleansing agents

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.
- Obtain special instructions 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, lighting.
- Use only non-sparking tools.
- Take precautionary measures against static discharge.
- Do not breathe fumes, vapours or spray.
- Wash hands thoroughly after handling.
- Do not eat, drink or smoke when using this product.
- Use only outdoors or in a well-ventilated area.
- Contaminated work clothing should not be allowed out of the workplace.
- Avoid release to the environment.
- Wear protective clothing as detailed in Section 8.
- Use personal protective equipment as required.

#### 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.
- Store in cool, dry conditions in well-sealed receptacles.

### 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 NOV 2017 9TH EDITION.

• DNELs		
CAS: 64742-48-9 Naphtha (petroleum), hydrotreated heavy		
Oral	Long-term - systemic effects, general population	125 mg/kg bw/day (General Population)
Dermal	Long-term - systemic effects, worker	208 mg/kg bw/day (Worker)
Inhalative	Long-term - systemic effects, general population	125 mg/kg bw/day (General population)
	Long-term - systemic effects, worker	871 mg/m3 (Worker)
	Long-term - systemic effects, general population	185 mg/m3 (General Population)

#### Engineering Controls

Ensure there is adequate ventilation available.

#### Personal Protection Equipment



<b>Eyes</b>	Not required.
<b>Skin</b>	Wear Nitrile gloves (0.12mm thickness). Penetration time >480min.
<b>Respiratory</b>	Short term filter device: Filter A
<b>General</b>	Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing Wash hands before breaks and at the end of work. Store protective clothing separately. Avoid contact with the skin. Avoid close or long term contact with the skin.

	Avoid contact with the eyes and skin.
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## Section 9 Physical and Chemical Properties

<b>Form</b>	Liquid
<b>Colour</b>	Beige
<b>Odour</b>	Solvent-like
<b>Odour Threshold</b>	Not available
<b>pH @20°C</b>	Not available
<b>Boiling Point</b>	130°C
<b>Melting Point</b>	Not available
<b>Freezing Point</b>	Not available
<b>Flash Point</b>	40 °C (DIN 53213)
<b>Flammability</b>	Flammable
<b>Upper and Lower Explosive Limits</b>	0.6 Vol% - 7.0 Vol %
<b>Vapour Pressure @20°C</b>	4 hPa
<b>Density@ 20°C</b>	0.87 g/cm <sup>3</sup> (DIN 51757)
<b>Specific Gravity</b>	Not available
<b>Water Solubility</b>	Not miscible or difficult to mix.
<b>Partition Coefficient:</b>	Not available
<b>Ignition Temperature</b>	>200°C
<b>Decomposition Temperature</b>	Not available
<b>Kinematic Viscosity @20°C</b>	16 s (DIN 53211/4)
<b>Particle Characteristics</b>	Not available
<b>Solvent content</b>	Organic Solvents: 59.5%
<b>Solids content</b>	86.5% (DIN 53216)
<b>VOC(EU)</b>	59.54%
<b>VOC(EU)</b>	518.0 g/l
<b>VOCV</b>	59.54%

## Section 10. Stability and Reactivity

<b>Stability of Substance</b>	This product is stable under normal conditions.
<b>Possibility of hazardous reactions</b>	No dangerous reactions known.
<b>Conditions to Avoid</b>	Keep away from heat, sparks, open flames or hot surfaces. No smoking.
<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>	Causes skin irritation. May cause an allergic skin reaction.

### Chronic Effects:

<b>Carcinogenicity</b>	Not applicable.
<b>Reproductive Toxicity</b>	Suspected of damaging fertility or the unborn child.

<b>Germ Cell Mutagenicity</b>	Not applicable.
<b>Aspiration</b>	May be fatal if swallowed and enters airways.
<b>STOT/SE</b>	Not applicable.
<b>STOT/RE</b>	Causes damage to organs through prolonged or repeated exposure. May cause drowsiness or dizziness.

#### Acute Toxicity -

Chemical Name	LD50 (Oral)	LD50 (Dermal)	LC50 (inhalation)
<b>Product</b>			
Naphtha (petroleum), hydrotreated heavy (Cas No 64742-48-9)	>5000mg/kg(Rat)	>5000mg/kg(Rabbit)	>4591 mg/l (Rat)-4hrs
Naphtha (petroleum), hydrodesulfurized heavy (Cas No 64742-82-1)	>6500 mg/kg (RAT)	>3000 mg/kg (RABBIT)	-
Naphtha (petroleum), hydrotreated heavy (Cas No 64742-48-9)	>5000mg/kg(Rat)	>3000mg/kg(Rabbit)	-

### Section 12. Ecotoxicological Information

HSNO Classes: 9.1B = Toxic to aquatic life with long lasting effects.

<b>Persistence and degradability</b>	No data available
<b>Bioaccumulation</b>	No data available
<b>Mobility in Soil</b>	No data available
<b>Other adverse effects</b>	Hazardous for water. Do not allow undiluted product to reach ground water, water course or sewage system.

### 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 – "Spilled Flammable Liquid " and that the label also has the Flammable Pictogram, and the business name, address, and phone number.

**Precautions or methods to avoid:** Must not be disposed together with household garbage. Avoid release to the environment.

### Section 14 Transport Information

**This product is classified as a Dangerous Good for transport in NZ ; NZS 5433:2012**



#### Road and Rail Transport

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

**Limited Quantities Statement:**

If the product's individual container is below 5L, 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.

<b>Section 15</b>	<b>Regulatory Information</b>
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**New Zealand:**

This substance is classified hazardous according to the EPA Hazardous Substances (Classification) Notice 2017

EPA Approval Code: Corrosion Inhibitor (Flammable) – HSR002548

HSNO Classification: 3.1C, 6.1E(Asp), 6.3A, 6.5B, 6.8B, 6.9A, 6.9N, 9.1B

<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 (3.1C, 9.1B)
Emergency Response Plan	1000L (9.1B)
Secondary Containment	1000L (9.1B)
Fire Extinguishers	500L - require 2X
Restriction of Use	Only use for the intended purpose.

<b>Section 16</b>	<b>Other Information</b>
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**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 Nov 2017 edition.

3. Assigning a hazardous substance to a HSNO Approval (Aug 2013).
4. Transport of Dangerous goods on land NZS 5433:2012
5. HSW (Hazardous Substances) Regulations 2017

#### Disclaimer

This document has been prepared by TCC (NZ) Ltd and serves as the suppliers Safety Data Sheet ('SDS'). It is based on information concerning the product which has been provided to TCC (NZ) Ltd or obtained from third party sources and is believed to represent the current state of knowledge as to the appropriate safety and handling precautions for the product at the time of issue. Further clarification regarding any aspect of the product should be obtained directly from the manufacturer. While TCC (NZ) have taken all due care to include accurate and up-to-date information in this SDS, it does not provide any warranty as to accuracy or completeness. As far as lawfully possible, TCC (NZ) Ltd accept no liability for any loss, injury or damage (including consequential loss) which may be suffered or incurred by any person as a consequence of their reliance on the information contained in this SDS

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

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