



## SAFETY DATA SHEET

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

Product: **Dinitrol 353**  
Product Code: 353  
Product Use: Lubricant  
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: 24 August 2018

### Section 2. Hazards Identification

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

**EPA Approval No: Aerosols (Flammable) – HSR002515**

#### Pictograms



Flammable



Irritant



Chronic



Ecotoxic

Signal Word: **DANGER**

HSNO Classes	Hazard Code	Hazard Statement	GHS Category
2.1.2A	H222	Extremely flammable aerosol.	Flam. Aero. 1
6.3A	H315	Causes skin irritation.	Skin Irrit. 2
6.9B	H373	May cause damage to organs through prolonged or repeated exposure.	STOT RE 2
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
P103	Read label before use.
P210	Keep away from heat, sparks, open flames or hot surfaces. No smoking.
P211	Do not spray on an open flame or other ignition source.
P251	Pressurized container: Do not pierce or burn, even after use.

P260	Do not breathe fumes, vapours or spray.
P264	Wash hands thoroughly after handling.
P271	Use only outdoors or in a well-ventilated area.
P273	Avoid release to the environment.
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.
P362	Take off contaminated clothing and wash before re-use.
P391	Collect spillage.
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
P332 + P313	If skin irritation occurs: Get medical advice/ attention.

Storage Code	Storage Statement
P405	Store locked up.
P403 + P233	Store in a well-ventilated place. Keep container tightly closed.
P410 + P412	Protect from sunlight. Do not expose to temperatures exceeding 50 °C.

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 light	10-<25	64742-49-0
Propane Liquefied	10-<25	74-98-6
Butane, pure	10-<25	106-97-8
Solvent naphtha (petroleum), light arom.	10-<25	92062-15-2
Cyclohexane	5-<10	110-82-7
n-Hexane	1-<5	110-54-3

### 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	Take off contaminated clothing and wash before re-use. Rinse skin with water/shower. 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. Seek medical assistance if needed.
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:

<b>Ingestion:</b>	Not applicable.
<b>Inhalation:</b>	Not applicable.
<b>Skin:</b>	Causes skin irritation.
<b>Eye:</b>	Not applicable.

**Chronic:** Prolonged or repeated exposure may cause damage to the organs. May cause drowsiness or dizziness.

**Section 5. Fire Fighting Measures**

<b>Hazard Type</b>	Flammable Aerosol
<b>Hazards from products</b>	None known.
<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>	Wear full protective gear. Cool endangered receptacles with water spray.
<b>HAZCHEM CODE</b>	<b>2YE</b>

**Section 6. Accidental Release Measures**

Wear protective gear as detailed in Section 8. Evacuate all unnecessary personnel. Keep away from ignition sources.

Do not allow to enter sewers/ surface or ground water.

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Dispose of waste according to the applicable local and national regulations.

**Section 7. Handling and Storage**

**Precautions for Handling:**

- Read label before use.
- Keep away from heat, sparks, open flames or hot surfaces. No smoking.
- Do not spray on an open flame or other ignition source.
- Pressurized container: Do not pierce or burn, even after use.
- Do not breathe fumes, vapours or spray.
- Wash hands thoroughly after handling.
- Use only outdoors or in a well-ventilated area.
- Avoid release to the environment.
- Wear protective clothing as detailed in Section 8.

**Precautions for Storage:**

- Store away from incompatible materials listed in Section 10 and foodstuffs.
- Store locked up.
- Store in a well-ventilated place. Keep container tightly closed.
- Protect from sunlight and heat. Do not expose to temperatures exceeding 50 °C.
- Do not seal receptacle gas tight.

**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>
Propane [74-98-6]	Simple asphyxiant – may present an explosion hazard			
Butane [106-97-8]	800	1,900		
Cyclohexane [110-82-7]	100	350	300	1050
Hexane (n-Hexane) [110-54-3]	20	72		

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 (WES-STEL). 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.

### Engineering Controls

Ensure there is adequate ventilation available.

### Personal Protection Equipment



<b>Eyes</b>	Tightly sealed goggles.
<b>Skin</b>	Wear Neoprene gloves (0,47 mm) with penetration time of >480 min. Do not wear strong material gloves or leather gloves. Wear protective clothing.
<b>Respiratory</b>	In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.
<b>General</b>	Wash hands before breaks and at the end of work. Do not inhale gases / fumes / aerosols.

## Section 9 Physical and Chemical Properties

<b>Form</b>	Aerosol
<b>Colour</b>	Transparent
<b>Odour</b>	Characteristic
<b>Odour Threshold</b>	Not available
<b>pH @20°C</b>	Not available
<b>Boiling Point</b>	Not applicable
<b>Melting Point</b>	Not available
<b>Freezing Point</b>	Not available
<b>Flash Point</b>	<-20°C (DIN 53213)
<b>Flammability</b>	Not available
<b>Upper and Lower Explosive Limits</b>	0.6 – 10.9% (vol)
<b>Vapour Pressure</b>	4000 hPa @20°C
<b>Density@ 20°C</b>	0.658 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>Dynatic Viscosity @20°C</b>	Not available
<b>Particle Characteristics</b>	Not available
<b>Solvent content</b>	Organic Solvents: 72.2%
<b>Solids content</b>	27.8% (DIN 53216)
<b>VOC(EU)</b>	72.20 % 475.0 g/l

## Section 10. Stability and Reactivity

<b>Stability of Substance</b>	This product is stable under normal conditions.
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<b>Possibility of hazardous reactions</b>	No dangerous reactions known.
<b>Conditions to Avoid</b>	Keep away from ignition sources and heat.
<b>Incompatible Materials</b>	None known.
<b>Hazardous Decomposition Products</b>	None known.

## 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.

### 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>	May cause dizziness and drowsiness.
<b>STOT/RE</b>	May cause damage to organs through prolonged or repeated exposure.

### Acute Toxicity -

Chemical Name	LD50 (Oral)	LD50 (Dermal)	LC50 (inhalation)
<b>Product</b>			
Naphtha (petroleum), hydrotreated light (Cas No 64742-49-0)	>5000mg/kg(Rat)	>2600mg/kg(Rabbit)	>193mg/l (Rat)
Butane, pure (Cas No 106-97-8)	-	-	658mg/l (Rat) – 4hr
Cyclohexane (Cas No 110-82-7)	813mg/kg (mouse)	-	13.9 mg/L (rat) Vapour

## 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 product to reach ground water, water course or sewage system. Danger to drinking water if even small quantities leak into the ground.

### Aquatic toxicity for individual chemicals:

Naphtha (petroleum), hydrotreated light (cas No : 64742-49-0 )  
EC50/48 h 10 mg/l (PHAEOPHYTA)

Do not allow to enter waterways.

## Section 13. Disposal Considerations

### Disposal Method:

Spent media that has removed toxic chemicals should be examined for specific hazards. Spilled product liquid 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 Aerosol, Ecotoxic " and that the label also has the Flammable and Ecotoxic 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: 1950  
Class-primary 2  
Proper Shipping Name: AEROSOLS

### Air Transport

UN No: 1950  
Class-primary 2  
Proper Shipping Name: AEROSOLS

### Marine Transport

UN No: 1950  
Class-primary 2  
Proper Shipping Name: AEROSOLS  
Marine Pollutant: No

## Section 15 Regulatory Information

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

EPA Approval Code: Aerosols (Flammable) – HSR002515

HSNO Classification: 2.1.2A, 6.3A, 6.9B, 6.9N, 9.1B

HSW (HS) Regulations 2017 and EPA Notices	Trigger Quantity
Certified Handler	Not required
Location Certificate	3000L (AWC)
Tracking Trigger Quantities	Not required
Signage Trigger Quantities	1000L (9.1B)
Emergency Response Plan	1000L (9.1B)
Secondary Containment	1000L (9.1B)
Fire Extinguishers	3000L - require 1X
Restriction of Use	Only use for the intended purpose.

**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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