



SAFETY DATA SHEET

Section 1. Identification of the material and the supplier

Product: **Dinitrol 448**
Product Use: 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: 10 April 2018

Section 2. Hazards Identification

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

EPA Approval No: Surface Coatings and Colourants (subsidiary) – HSR002670

Signal Word: **None**

HSNO Classes	Hazard Code	Hazard Statement	GHS Category
9.1C	H412	Harmful to aquatic life with long lasting effects.	Aquatic Chronic 3

Prevention Code	Prevention Statement
P103	Read label before use.
P273	Avoid release to the environment.

Response Code	Response Statement
None allocated	

Storage Code	Storage Statement
None allocated	

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

Section 3. Composition / Information on Hazardous Ingredients

Ingredients	Wt%	CAS NUMBER.
Ethanol	1-<5	64-17-5
Trizinc bis(orthophosphate)	<1	7779-90-0

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Tel: 64 9 475 5240 www.techcomp.co.nz

Naphtha (petroleum), hydrodesulfurized heavy	<1	64742-82-1
Zinc oxide	<1	1314-13-2

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 contaminated clothing before reuse. Immediately wash with water and soap and rinse thoroughly. If skin irritation or rash occurs: get medical advice/attention.
If Swallowed	Rinse mouth. Wash out mouth thoroughly with water. 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

Symptoms:

Ingestion:	Not applicable.
Inhalation:	Not applicable.
Skin:	Not applicable.
Eye:	Not applicable.

Section 5. Fire Fighting Measures

Hazard Type	Non Flammable
Hazards from decomposition products	None known.
Suitable Extinguishing media	CO2, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
Precautions for firefighters and special protective clothing	No special measures required.
HAZCHEM CODE	None allocated

Section 6. Accidental Release Measures

Wear protective gear as detailed in Section 8. Evacuate all unnecessary personnel. Ensure adequate ventilation.

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:

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- Read label before use.
- Avoid release to the environment.

Precautions for Storage:

- Store away from incompatible materials listed in Section 10.

Section 8 Exposure Controls / Personal Protection

WORKPLACE EXPOSURE STANDARDS (provided for guidance only)

Substance	TWA		STEL	
	ppm	mg/m ³	ppm	mg/m ³
Ethanol (Ethyl alcohol) [64-17-5]	1,000	1,880		
Zinc oxide fume Dust [1314-13-2]		3(r)		10(r)

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.

Engineering Controls

Ensure there is adequate ventilation.

Personal Protection Equipment



Eyes	Goggles recommended during refilling
Hands	Material of gloves: Butyl Rubber
Skin	Protective work clothing.
Respiratory	Suitable respiratory protective device recommended.
General	Wash hands before breaks and at the end of work.

Section 9 Physical and Chemical Properties

Form	Viscous
Colour	Grey
Odour	Characteristic
Odour Threshold	Not available
pH @20°C	8
Boiling Point	100°C
Melting Point	Not available
Freezing Point	Not available
Flash Point	Not available
Flammability	Product does not present an explosion hazard.
Upper and Lower Explosive Limits	Not available
Vapour Pressure @20°C	27.4 hPa
Density@ 20°C	1.47 g/cm ³
Specific Gravity	Not available
Water Solubility	Fully miscible.
Partition Coefficient:	Not available
Ignition Temperature	370 °C
Decomposition Temperature	Not available
Dynamic Viscosity	5000 mPas

@20°C	
Particle Characteristics	Not available
Solvent content	Organic Solvents: 2.4% Water: 22.5%
Solids content	74.3% (DIN 53216)
VOC(EU)	2.43%
VOC(EU)	36.0 g/l

Section 10. Stability and Reactivity

Stability of Substance	This product is stable under normal conditions.
Possibility of hazardous reactions	No dangerous reactions known.
Conditions to Avoid	None known.
Incompatible Materials	None known.
Hazardous Decomposition Products	None known.

Section 11 Toxicological Information

Acute Effects:

Swallowed	Not applicable.
Dermal	Not applicable.
Inhalation	Not applicable.
Eye	Not applicable.
Skin	Not applicable.

Chronic Effects:

Carcinogenicity	Not applicable.
Reproductive Toxicity	Not applicable.
Germ Cell Mutagenicity	Not applicable.
Aspiration	Not applicable.
STOT/SE	Not applicable.
STOT/RE	Not applicable.

Section 12. Ecotoxicological Information

HSNO Classes: 9.1C = Harmful to aquatic life with long lasting effects.

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

Do not allow to enter waterways.

Section 13. Disposal Considerations

Disposal Method:

Triple rinse and dispose of according to Local Regulations.

Precautions or methods to avoid: Do not allow to enter waterways.

Section 14**Transport Information**

This product is NOT classified as a Dangerous Good for transport in NZ ; NZS 5433:2012

Section 15**Regulatory Information****New Zealand:**

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

EPA Approval Code: Surface Coatings and Colourants (subsidiary) – HSR002670

HSNO Classification: 9.1C

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

Section 16**Other Information****Glossary**

EC ₅₀	Median effective concentration.
EEL	Environmental Exposure Limit.
EPA	Environmental Protection Authority
HSNO	Hazardous Substances and New Organisms.
HSW	Health and Safety at Work.
LC ₅₀	Lethal concentration that will kill 50% of the test organisms inhaling or ingesting it.
LD ₅₀	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

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

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