



SAFETY DATA SHEET

Section 1. Identification of the material and the supplier

Product: **Dinitrol 1000 Spray**
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: 28 April 2023

Section 2. Hazards Identification

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

EPA Approval No: Aerosols (Flammable) – HSR002515

Pictograms:



Flammable



Irritant

Signal Word: **Warning**

GHS Classification and Category	Hazard Code	Hazard Statement
Aerosol Cat. 1	H222	Extremely flammable aerosol.
	H229	Pressurised container: May burst if heated
specific target organ toxicity - single exposure Cat 3 - Narcotic Effects	H336	May cause drowsiness or dizziness.

Prevention Code	Prevention Statement
P103	Read carefully and follow all instructions.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P211	Do not spray on an open flame or other ignition source.
P251	Do not pierce or burn, even after use.
P261	Avoid breathing dust, fumes, gas, mist, vapours or spray.

Product Name: Dinitrol 1000 Spray
Date of SDS: 28 April 2023

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

P271	Use only outdoors or in a well-ventilated area.
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Response Code	Response Statement
P312	Call a POISON CENTER or doctor/physician if you feel unwell.

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.
Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics	45 - <50	64742-48-9
n-butane	10 - <15	106-97-8
Propane	10 - <15	74-98-6
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 or consult an ophthalmologist.

If on Skin Wash with plenty of water/Soap. Take off immediately all contaminated clothing and wash it before reuse. If skin irritation occurs: Get medical advice/attention.

If Swallowed If swallowed, rinse mouth with water (only if the person is conscious). Call a physician immediately. Do NOT induce vomiting.

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

Hazard Type	Flammable Aerosol
Hazards from products	No data available.
Suitable Extinguishing media	Alcohol resistant foam, Carbon dioxide (CO ₂), Extinguishing powder. Water fog. Do not use high power water jet.
Precautions for firefighters and special protective clothing	In case of fire: Wear self-contained breathing apparatus. Use water spray jet to protect personnel and to cool endangered containers. Suppress gases/vapours/mists with water spray jet. Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.
HAZCHEM CODE	None allocated

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.

Do not allow uncontrolled discharge of product into the environment. Do not allow to enter into surface water or drains.

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 carefully and follow all instructions.
- Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- Do not spray on an open flame or other ignition source.
- Do not pierce or burn, even after use.
- Take precautionary measures against static discharges.
- Vapours can form explosive mixtures with air.
- Avoid breathing dust, fumes, gas, mist, vapours or spray.
- Use only outdoors or in a well-ventilated area. Keep away from food, drink and animal feeding stuffs.
- If handled uncovered, arrangements with local exhaust ventilation have to be used. If local exhaust ventilation is not possible or not sufficient, the entire working area should be ventilated by technical means.
- 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.
- Store locked up.
- Store in a well-ventilated place. Keep container tightly closed.
- Protect from sunlight. Do not expose to temperatures exceeding 50 °C.
- Keep in a cool, away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Section 8 Exposure Controls / Personal Protection

WORKPLACE EXPOSURE STANDARDS (provided for guidance only)

Substance		TWA		STEL	
		ppm	mg/m ³	ppm	mg/m ³
Butane	[106-97-8]	800	1900	-	-

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/DMEL values

CAS No	Substance	Exposure route	Effect	Value
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 ³
Consumer DNEL, long-term		inhalation	systemic	900 mg/m ³
Consumer DNEL, long-term		dermal	systemic	300 mg/kg bw/day
Consumer DNEL, long-term		oral	systemic	300 mg/kg bw/day
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 ²
Consumer DNEL, long-term		inhalation	systemic	2,9 mg/m ³
Consumer DNEL, long-term		dermal	systemic	1,667 mg/kg
Consumer DNEL, long-term		dermal	local	0,513 mg/cm ²
Consumer DNEL, long-term		oral	systemic	0,8333 mg/kg
Worker DNEL, long-term		inhalation	systemic	11,75 mg/m ³

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 should be used if possible.

If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn.

Personal Protection Equipment

Eyes	Eye glasses with side protection (EN 166).
Hands	Recommended glove articles : FKM (fluoro rubber), Breakthrough time: 480 min. NBR (Nitrile rubber), Breakthrough time: 480 min. 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. Protective gloves have to be replaced at the first sign of deterioration. Protect skin by using skin protective cream.
Skin	Wear anti-static footwear and clothing.
Respiratory	Work in well-ventilated zones or use proper respiratory protection. gas filtering equipment (EN 141)., Filter material/medium:AX

Section 9 Physical and Chemical Properties

Form	Aerosol
Colour	Transparent beige
Odour	Characteristic
Odour Threshold	Not available
pH @20°C	Not available
Boiling Point	-44°C
Melting Point	Not available
Freezing Point	Not available
Flash Point	<-20°C
Flammability	Flammable Aerosol
Upper and Lower Explosive Limits	0.6 Vol% - 10.9 Vol %
Vapour Pressure @20°C	8300 hPa
Density@ 20°C	0,71 g/cm ³ DIN 51757
Specific Gravity	Not available
Water Solubility	Not available
Partition Coefficient:	Not available
Auto-Ignition Temperature	>200°C
Decomposition Temperature	Not available
Kinematic Viscosity @20°C	Not available
Particle Characteristics	Not available
Solvent content	70.6%
Solids content	28.9%

Section 10. Stability and Reactivity

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

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	May cause drowsiness or dizziness.

Acute Toxicity for components:

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
64742-48-9	Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)				
	oral	LD50 >5000 mg/kg	Rat		
	dermal	LD50 >3000 mg/kg	Rat		
	Inhalation(4 h) vapour	LC50 5000 mg/l	Rat		
61789-86-4	calcium sulfonate				
	oral	LD50 5000 mg/kg	Rat		
	dermal	LD50 >2000 mg/kg	Rat		

Section 12. Ecotoxicological Information

Not hazardous to the environment.

Persistence and Degradability:

The product has not been tested.

CAS No	Chemical name
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 Aerosol" 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 and SNZ HB 5433:2021



Road, Rail, Sea and Air Transport

UN No	1950
Class - Primary	2
Proper Shipping Name	AEROSOLS
Marine Pollutant	No
Special Provisions	If the product's individual container is below 1L/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: Aerosols (Flammable) – HSR002515

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	3000L (AWC)
Emergency Response Plan	3000L (AWC)
Secondary Containment	3000L (AWC)
Fire Extinguishers	3000L (AWC) - require 1X
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 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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