



SAFETY DATA SHEET

Section 1. Identification of the material and the supplier

Product: **Dinitrol 800**
Product Use: Rust remover/ rust-removing agent
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: Cleaning Product (subsidiary) – HSR002530

Pictograms:



Chronic

Signal Word: **Warning**

| HSNO Classes | Hazard Code | Hazard Statement | GHS Category |
|--------------|-------------|--|--------------|
| 6.9B | H373 | May cause damage to organs through prolonged or repeated exposure. | STOT RE 2 |

| Prevention Code | Prevention Statement |
|-----------------|---|
| P103 | Read label before use. |
| P260 | Do not breathe fumes, vapours or spray. |

| Response Code | Response Statement |
|---------------|--|
| P314 | Get medical advice/attention if you feel unwell. |

| 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. |
|---------------------------|------|-------------|
| 1-methoxypropan-2-ol | 1-<5 | 107-98-2 |
| 2-(2-butoxyethoxy)ethanol | 1-<5 | 112-34-5 |

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 | Rinse skin with water/shower. If skin irritation occurs: get medical advice/attention. |
| If Swallowed | Rinse mouth and drink plenty of 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. |
| Chronic: | May cause damage to organs through repeated or prolonged exposure. |

Section 5. Fire Fighting Measures

| | |
|---|--|
| Hazard Type | Non Flammable |
| Hazards from products | Carbon monoxide (CO) |
| Suitable Extinguishing media | Use fire extinguishing methods suitable to surrounding conditions. |
| 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.

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 regulations detailed in Section 13.

Section 7. Handling and Storage

Precautions for Handling:

- Read label before use.
- Obtain special instructions
- Do not breathe fumes, vapours or spray.
- Wear protective clothing as detailed in Section 8.

Precautions for Storage:

- Store away from incompatible materials listed in Section 10.
- Store only in the original receptacle.
- Provide acid-resistant floor.

Section 8 Exposure Controls / Personal Protection

WORKPLACE EXPOSURE STANDARDS (provided for guidance only)

| Substance | TWA | | STEL | |
|-----------|-----|-------------------|------|-------------------|
| | ppm | mg/m ³ | ppm | mg/m ³ |

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.

Engineering Controls

Ensure there is adequate ventilation available.

Personal Protection Equipment



| | |
|--------------------|---|
| Eyes | Goggles recommended during refilling. |
| Skin | Wear solvent resistant gloves. Protective work clothing |
| Respiratory | Not required. |
| General | Wash hands before breaks and at the end of work. |

Section 9 Physical and Chemical Properties

| | |
|---|----------------------|
| Form | Liquid |
| Colour | White |
| Odour | Weak, Characteristic |
| Odour Threshold | Not available |
| pH @20°C | 4 |
| Boiling Point | 100°C |
| Melting Point | Not available |
| Freezing Point | Not available |
| Flash Point | 100 °C (DIN 53213) |
| Flammability | Not applicable |
| Upper and Lower Explosive Limits | Not applicable |
| Vapour Pressure @20°C | Not applicable |

| | |
|---------------------------|------------------------|
| Density@ 20°C | Not applicable |
| Specific Gravity | Not applicable |
| Water Solubility | Fully miscible. |
| Partition Coefficient: | Not available |
| Ignition Temperature | Not applicable |
| Decomposition Temperature | Not available |
| Dynamic Viscosity @20°C | 27 mPas |
| Particle Characteristics | Not available |
| Solvent content | Organic Solvents: 3.0% |
| Solids content | 40.0% (DIN 53216) |
| VOC(EU) | 3.00% |
| VOC(EU) | 30.0g/l |
| VOCV | 3.00% |

Section 10. Stability and Reactivity

| | |
|------------------------------------|---|
| Stability of Substance | This product is stable under normal conditions. |
| Possibility of hazardous reactions | Reacts with strong alkali. |
| Conditions to Avoid | None known. |
| 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 an allergic skin reaction. |

Acute Toxicity -

| Chemical Name | LD50 (Oral) | LD50 (Dermal) | LC50 (inhalation) |
|---|--|---------------|-------------------|
| Product | | | |
| 1-methoxypropan-2-ol (Cas No 107-98-2) | 4600mg/kg(Dog) | - | - |
| 2-(2-butoxyethoxy)ethanol Cas no 112-34-5) | 2000mg/kg(rabbit, rats, mice and guinea pigs | 2700mg/kg | - |

Section 12. Ecotoxicological Information

This product is not hazardous to the environment.

| | |
|--------------------------------------|-------------------|
| Persistence and degradability | No data available |
| Bioaccumulation | No data available |
| Mobility in Soil | No data available |
| Other adverse effects | No data available |

Section 13. Disposal Considerations

Disposal Method:

Triple rinse and dispose according to Local Regulations.

Precautions or methods to avoid: None known.

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: Cleaning Product (subsidiary) – HSR002530

HSNO Classification: 6.9B

| 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 | Not required |
| Emergency Response Plan | Not required |
| Secondary Containment | Not required |
| 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 |

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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