



SAFETY DATA SHEET

Section 1. Identification of the material and the supplier

Product: **Dinitrol 6050**
Product Use: Knife filler/surfacers
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: 30.07.2021

Section 2. Hazards Identification

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

EPA Approval No: Surface Coatings and Colourants (Flammable) – HSR002662

Pictograms



Flammable



Irritant



Asp/ Chronic

Signal Word: **DANGER**

| HSNO Classes | Hazard Code | Hazard Statement | GHS Category |
|-------------------|-------------|---|---------------|
| 3.1C | H226 | Flammable liquid and vapour. | Flam. Liq. 3 |
| 6.1E (aspiration) | H304 | May be fatal if swallowed and enters airways. | Asp. Tox. 1 |
| 6.1E (Resp) | H335 | May cause respiratory irritation. | STOT SE 3 |
| 6.3A | H315 | Causes skin irritation. | Skin Irrit. 2 |
| 6.4A | H319 | Causes serious eye irritation. | Eye Irrit. 2A |
| 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 |

| Prevention Code | Prevention Statement |
|-----------------|--------------------------------|
| P102 | Keep out of reach of children. |
| P103 | Read label before use. |

| | |
|------|---|
| P201 | Obtain special instructions before use. |
| P202 | Do not handle until all safety precautions have been read and understood. |
| 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, mist, 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. |
| P280 | Wear protective clothing. |
| 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. |
| 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. |
| P304 + P340 | IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. |
| P305 + P351+P338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| P308 + P313 | IF exposed or concerned: Get medical advice/ attention. |
| P332 + P313 | If skin irritation occurs: Get medical advice/ attention. |
| P337 + P313 | If eye irritation persists: Get medical advice/attention. |
| P370 + P378 | In case of fire: Use CO ₂ , sand, extinguishing powder 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. |
|---------------|---------|-------------|
| Styrene | 10- <25 | 100-42-5 |
| Non hazardous | To bal | |

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 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

Symptoms:

Ingestion: Not applicable.
Inhalation: May cause respiratory irritation.
Skin: Causes skin irritation.
Eye: Causes serious eye irritation.
Chronic: Suspected of damaging fertility or the unborn child. Prolonged or repeated exposure may cause damage to the organs. May be fatal if swallowed and enters airways.

Section 5. Fire Fighting Measures

| | |
|---|--|
| Hazard Type | Flammable Liquid |
| Hazards from products | Carbon monoxide. |
| Suitable Extinguishing media | CO2, sand, extinguishing powder. Do not use water with full jet. |
| Precautions for firefighters and special protective clothing | Mount respiratory protective device. Cool endangered receptacles with water spray. |
| HAZCHEM CODE | 2YE |

Section 6. Accidental Release Measures

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

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

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

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

Section 7. Handling and Storage

Precautions for Handling:

- Keep out of reach of children.
- Read label before use.
- Obtain special instructions before use.
- Do not handle until all safety precautions have been read and understood.
- 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, mist, 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.
- Wear protective clothing.
- Use personal protective equipment as required.

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.
- Keep cool.

Section 8 Exposure Controls / Personal Protection

WORKPLACE EXPOSURE STANDARDS (provided for guidance only)

| Substance | TWA | | STEL | |
|------------------------------------|-----|-------------------|------|-------------------|
| | ppm | mg/m ³ | ppm | mg/m ³ |
| Styrene, monomer (skin) [100-42-5] | 50 | 213 | 100 | 426 |

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 | Tightly sealed goggles with side shields. Avoid wearing contact lenses. |
| Skin | Wear Neoprene gloves (0.47mm). Do not wear natural rubber gloves. |
| Respiratory | 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. Filter A/P2 / Filter AX |
| General | Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing Wash hands before breaks and at the end of work. Do not inhale gases / fumes / aerosols. Avoid contact with the eyes. |

Section 9 Physical and Chemical Properties

| | |
|------------------------|---|
| Form | Fluid |
| Colour | Yellow-Brown |
| Odour | Characteristic |
| Odour Threshold | Not available |
| pH @20°C | Not available |
| Boiling Point | 145°C |
| Melting Point | Not available |
| Freezing Point | Not available |
| Flash Point | 31 °C (DIN 53213) |
| Flammability | Product is not explosive. However, formation of explosive air/vapour mixtures are possible. |

| | |
|---|-----------------------------------|
| Upper and Lower Explosive Limits | 1.2 – 8.9% (vol) |
| Vapour Pressure @20°C | 6.7 hPa |
| Density@ 20°C | 1.8 g/cm ³ (DIN 51757) |
| Specific Gravity | Not available |
| Water Solubility | Not miscible or difficult to mix. |
| Partition Coefficient: | Not available |
| Ignition Temperature | 480°C |
| Decomposition Temperature | Not available |
| Dynatic Viscosity @20°C | 110000mPas |
| Particle Characteristics | Not available |
| Solvent content | Organic Solvents: 14.1% |
| Solids content | 85.9% (DIN 53216) |
| VOC(EU) | 250.0 g/L 13.50% |

Section 10. Stability and Reactivity

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|---|---|
| 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 | Carbon monoxide |

Section 11 Toxicological Information

Acute Effects:

| | |
|-------------------|-----------------------------------|
| Swallowed | Not applicable. |
| Dermal | Not applicable. |
| Inhalation | May cause respiratory irritation. |
| Eye | Causes serious eye irritation. |
| Skin | Causes skin irritation. |

Chronic Effects:

| | |
|-------------------------------|--|
| Carcinogenicity | Not applicable. |
| Reproductive Toxicity | Suspected of damaging fertility or the unborn child. |
| Germ Cell Mutagenicity | Not applicable. |
| Aspiration | May be fatal if swallowed and enters airways. |
| STOT/SE | Not applicable. |
| STOT/RE | May cause damage to organs through prolonged or repeated exposure. |

Acute Toxicity -

| Chemical Name | LD50 (Oral) | LD50 (Dermal) | LC50 (inhalation) |
|--------------------------|----------------|-----------------|-------------------|
| Product | | | |
| Syrene (Cas No 100-42-5) | 5000mg/kg(Rat) | >2000mg/kg(Rat) | 11.8mg/l (Rat) |

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 | 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: 3269
Class-primary 3
Packing Group III
Proper Shipping Name: POLYESTER RESIN KIT

Air Transport

UN No: 3269
Class-primary 3
Packing Group III
Proper Shipping Name: POLYESTER RESIN KIT

Marine Transport

UN No: 3269
Class-primary 3
Packing Group III
Proper Shipping Name: POLYESTER RESIN KIT

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.

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 (Flammable) – HSR002662

HSNO Classification: 3.1C, 6.1E(Resp, Asp), 6.3A, 6.4A, 6.8B, 6.9A

| HSW (HS) Regulations 2017 and EPA Notices | Trigger Quantity |
|---|------------------------------------|
| Certified Handler | Not required |
| Location Certificate | 500L (>5L), 1500L(<5L), 250L open |
| Tracking Trigger Quantities | Not required |
| Signage Trigger Quantities | 1,000L (3.1C) |
| Emergency Response Plan | 10,000L (3.1C) |
| Secondary Containment | 10,000L (3.1C) |
| Fire Extinguishers | 500L - require 2X |
| 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

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

Issue Date: 30 July 2021

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