



SAFETY DATA SHEET

Section 1. Identification of the material and the supplier

Product: **Dekalin Dekavator**
Product Use: Primer/ Subcoating
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: Surface Coatings and Colourants (Flammable) – HSR002662

Pictograms:



Flammable



Irritant



Asp/ Chronic



Corrosive



Ecotoxic

Signal Word: **DANGER**

HSNO Classes	Hazard Code	Hazard Statement	GHS Category
3.1B	H225	Highly flammable liquid and vapour.	Flam. Liq. 2
6.1E (asp)	H304	May be fatal if swallowed and enters airways.	Asp. Tox. 1
6.3A	H315	Causes skin irritation.	Skin Irrit. 2
6.8B	H361	Suspected of damaging fertility or the unborn child.	Repr. 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
8.3A	H318	Causes serious eye damage.	Eye Corr. 1
9.1B	H411	Toxic to aquatic life with long lasting effects.	Aquatic Chronic 2

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.
P271	Use only outdoors or in a well-ventilated area.
P273	Avoid release to the environment.
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.
P310	Immediately call a POISON CENTER or doctor/physician.
P331	Do NOT induce vomiting.
P362	Take off contaminated clothing and wash before re-use.
P391	Collect spillage.
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.
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.
C7-C10 Isoalkanes	50-100	90622-56-3
Tetra(n-butyl)titanaat	5-10	5593-70-4
Toluene	3-5	108-88-3
Tetraethyl orthosilicate	1-3	78-10-4

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

Section 5.	Fire Fighting Measures
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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	3Y

Section 6.	Accidental Release Measures
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Wear protective gear as detailed in Section 8. Evacuate all unnecessary personnel. Avoid contact with skin, eyes and clothes.

Inform respective authorities in case of seepage into water course or sewage system. Do not allow to enter sewers/ surface or ground water.

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

Dispose of waste according to the applicable local regulations detailed in Section 13.

Section 7.	Handling and Storage
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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 and ensure good ventilation.
- 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.
- Store in cool, dry conditions in well-sealed receptacles.

Section 8 Exposure Controls / Personal Protection

WORKPLACE EXPOSURE STANDARDS (provided for guidance only)

Substance	TWA		STEL	
	ppm	mg/m ³	ppm	mg/m ³
Toluene (skin) (Toluol) [108-88-3]	50	188	-	-
Ethyl silicate [78-10-4]	10	85	-	-

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.

• DNELs		
CAS: 108-88-3 Toluene		
<i>Oral</i>	<i>Long-term - systemic effects, general population</i>	<i>8.13 mg/kg bw/day (General Population)</i>
<i>Dermal</i>	<i>Long-term - systemic effects, worker</i>	<i>384 mg/kg bw/day (Worker)</i>
<i>Inhalative</i>	<i>Long-term - systemic effects, general population</i>	<i>226 mg/kg bw/day (General population)</i>
	<i>Acute - Local effects, worker</i>	<i>384 mg/m³ (Worker) 192</i>
	<i>Long-term - systemic effects, worker</i>	<i>mg/m³ (Worker) 192 mg/m³</i>
	<i>Long-term - local effects, worker</i>	<i>(Worker) 226 mg/m³ (General</i>
	<i>Acute - systemic effects, general population</i>	<i>Population)</i>
	<i>Acute - systemic effects, worker</i>	<i>384 mg/m³ (Worker)</i>
	<i>Acute - local effects, general population</i>	<i>226 mg/m³ (General Population)</i>
	<i>Long-term - systemic effects, general population</i>	<i>56.5 mg/m³ (General Population)</i>
• PNECs		
CAS: 108-88-3 Toluene		
<i>Aquatic compartment - freshwater</i>		<i>0.68 mg/L (not specified)</i>
<i>Aquatic compartment - marine water</i>		<i>0.68 mg/L</i>
<i>Aquatic compartment - sediment in freshwater</i>		<i>16.39 mg/kg sed dw (not specified)</i>
<i>Aquatic compartment - sediment in marine water</i>		<i>16.39 mg/kg sed dw</i>
<i>Terrestrial compartment – soil</i>		<i>2.89 mg/kg dw (not specified)</i>
<i>Sewage treatment plant</i>		<i>13.61 mg/L (not specified)</i>

Engineering Controls

Ensure there is adequate ventilation available.

Personal Protection Equipment



Eyes	Tightly sealed goggles with side shields. Avoid wearing contact lenses.
Skin	Wear Fluorocarbon rubber (Viton) gloves (0.12mm thickness). Penetration time >480min.
Respiratory	Not normally required. Wear a respirator if ventilation is poor.
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. Store protective clothing separately. Avoid contact with the skin. Avoid close or long term contact with the skin. Avoid contact with the eyes and skin.

Section 9 Physical and Chemical Properties

Form	Fluid
Colour	Yellowish
Odour	Light
Odour Threshold	Not available
pH @20°C	7
Boiling Point	Not available
Melting Point	Not available
Freezing Point	Not available
Flash Point	9 °C (DIN 53213)
Flammability	Product is not explosive. However, formation of explosive air/vapour mixtures are possible.
Upper and Lower Explosive Limits	Not applicable
Vapour Pressure @20°C	Not applicable
Density@ 20°C	0.756 g/cm ³ (DIN 51757)
Specific Gravity	Not available
Water Solubility	Not miscible or difficult to mix.
Partition Coefficient:	Not available
Ignition Temperature	Not applicable
Decomposition Temperature	Not available
Dynatic Viscosity @20°C	0.76 mPas
Particle Characteristics	Not available
Solvent content	8.0% (DIN 53216)
Solids content	86.5% (DIN 53216)
VOC(EU)	0.00%
VOCV	0.00%

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	Carbon monoxide

Section 11 Toxicological Information**Acute Effects:**

Swallowed	Not applicable.
Dermal	Not applicable.
Inhalation	Not applicable.
Eye	Causes serious eye damage.
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. May cause drowsiness or dizziness.

Acute Toxicity -

Chemical Name	LD50 (Oral)	LD50 (Dermal)	LC50 (inhalation)
Product			
Toluene (Cas No 108-88-3)	636mg/kg(Rat)	>5000mg/kg(Rat)	12.5 mg/l (Rat)- vapour

Section 12. Ecotoxicological Information

HSNO Classes: 9.1B = Toxic 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	Hazardous for water. Do not allow undiluted product to reach ground water, water course or sewage system.

Individual component information (Please refer to www.epa.govt.co.nz for full details):**Toluene (Cas No 108-88-3):**

Route	Species	Duration	Value LC50/EC50
Acute aquatic, fish	Oncorhynchus mykiss Rainbow trout,donaldson trout	96 hr	5.8 mg/L
Acute aquatic, Crustacean	Daphnia magna (Crustacea)	48 hr	11.5 mg/L
Chronic aquatic, Crustacean	Daphnia magna	21 days	1 mg/l
Acute aquatic, Algal	Selenastrum capricornutum	72hr	12.500 mg/L
Bioaccumulative	No		
Rapidly Degradable	Yes		

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: 1993
 Class-primary: 3
 Packing Group: II
 Proper Shipping Name: FLAMMABLE LIQUID, N.O.S (C7-C10 Isoalkanes, Toulene)

Air Transport

UN No: 1993
 Class-primary: 3
 Packing Group: II
 Proper Shipping Name: FLAMMABLE LIQUID, N.O.S (C7-C10 Isoalkanes, Toulene)

Marine Transport

UN No: 1993
 Class-primary: 3
 Packing Group: II
 Marine Pollutant: Yes
 Proper Shipping Name: FLAMMABLE LIQUID, N.O.S (C7-C10 Isoalkanes, Toulene)

Limited Quantities Statement:

If the product's individual container is below 1L, 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: 3.1B, 6.1E(Asp), 6.3A, 6.8B, 6.9B, 6.9N, 8.3A, 9.1B

HSW (HS) Regulations 2017 and EPA Notices	Trigger Quantity
Certified Handler	Not required
Location Certificate	100L (>5L), 250L(<5L), 50L open
Tracking Trigger Quantities	Not required
Signage Trigger Quantities	250L (3.1B)
Emergency Response Plan	1000L (3.1B, 9.1B)
Secondary Containment	1000L (3.1B, 9.1B)
Fire Extinguishers	250L - require 2
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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The information herein is given in good faith, but no warranty, express or implied is made.

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

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