



SAFETY DATA SHEET

Section 1. Identification of the material and the supplier

Product: **Dekalin Dekaclean Ultra**
Product Use: Industrial Cleaner
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: HSR001180

Pictograms:



Flammable



Irritant

Signal Word: **DANGER**

HSNO Classes	Hazard Code	Hazard Statement	GHS Category
3.1B	H225	Highly flammable liquid and vapour.	Flam. Liq. 2
6.1E (oral)	H303	May be harmful if swallowed.	Acute Tox. 5
6.3B	H316	Causes mild skin irritation.	Skin Irrit. 3
6.4A	H319	Causes serious eye irritation.	Eye Irrit. 2A

Prevention Code	Prevention Statement
P102	Keep out of reach of children.
P103	Read label before use.
P210	Keep away from heat, sparks, open flames, 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.
P264	Wash hands thoroughly after handling.
P280	Wear protective clothing as per Section 8.

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.
P303 + P361+P353	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P305 + P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
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 ... <specify appropriate media> for extinction. – This statement applies if water increases risk.

Storage Code	Storage Statement
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.
2-Propanol	To 100	67-63-0

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:	May be harmful if swallowed.
Inhalation:	Not applicable.
Skin:	Causes mild skin irritation.
Eye:	Causes serious eye irritation.

Section 5. Fire Fighting Measures

Hazard Type	Flammable Liquid
Hazards from 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	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. Avoid contact with skin, eyes and clothes.

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.

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.
- Keep away from heat, sparks, open flames, 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.
- Ensure good ventilation/exhaustion at the workplace.
- Use only in well ventilated areas.
- Take precautionary measures against static discharge.
- Wash hands thoroughly after handling.
- Wear protective clothing as per Section 8.

Precautions for Storage:

- Store away from incompatible materials listed in Section 10.
- Store in a well-ventilated place. Keep cool.
- 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
Isopropyl alcohol [67-63-0]	400	983	500	1,230

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 nitrile rubber gloves (0.12mm thickness). Penetration time >480min.
Respiratory	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. 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	Clear
Odour	Alcohol like
Odour Threshold	Not available
pH @20°C	Neutral
Boiling Point	82°C
Melting Point	-89°C
Freezing Point	Not available
Flash Point	12-15 °C (DIN 53213)
Flammability	Flammable
Upper and Lower Explosive Limits	2 – 13 Vol %
Vapour Pressure @20°C	43 hPa
Density@ 20°C	0.78 g/cm ³ (DIN 51757)
Specific Gravity	Not available
Water Solubility (20°C)	1g/l
Partition Coefficient:	Not available
Ignition Temperature	425°C
Decomposition Temperature	Not available
Dynamic Viscosity @20°C	2.43 mPas
Particle Characteristics	Not available
Organic Solvents	100% (DIN 53216)
VOC(EU)	100.00%
VOC(EU)	1000.0g/l
VOCV	100.00%

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	May be harmful if swallowed.
Dermal	Not applicable.
Inhalation	Not applicable.
Eye	Causes serious eye irritation.
Skin	Causes mild skin irritation.

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.

Acute Toxicity -

Chemical Name	LD50 (Oral)	LD50 (Dermal)	LC50 (inhalation)
Product			
2-Propanol (Cas No 67-63-0)	3600mg/kg(mouse)	>5000mg/kg(Rabbit)	>20 mg/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.

Individual component information (Please refer to www.epa.govt.co.nz for full details):

2-Propanol (Cas No 67-63-0):

Route	Species	Duration	Value LC50/EC50
Aquatic toxicity:	Daphnia Magna	24 hr	>1000 mg/L (Algae)

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.

This product is classified as a Dangerous Good for transport in NZ ; NZS 5433:2012



Road and Rail Transport

UN No: 1219
 Class-primary: 3
 Packing Group: II
 Proper Shipping Name: ISOPROPANOL (ISOPROPYL ALCOHOL)

Air Transport

UN No: 1219
 Class-primary: 3
 Packing Group: II
 Proper Shipping Name: ISOPROPANOL (ISOPROPYL ALCOHOL)

Marine Transport

UN No: 1219
 Class-primary: 3
 Packing Group: II
 Marine Pollutant: No
 Proper Shipping Name: ISOPROPANOL (ISOPROPYL ALCOHOL)

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: HSR001180

HSNO Classification: 3.1B, 6.1E(oral), 6.3B, 6.4A

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)
Secondary Containment	1000L (3.1B)
Fire Extinguishers	250L - 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

Disclaimer

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

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