AUTO BODY EQUIPMENT

SAFETY DATA SHEET

Section 1. Identification of the material and the supplier

Product:	**Coland Antidust**
Product Code:	8140/8141/8142
Product Use:	Coatings and paints, thinners, paint removers
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 NOT hazardous according to the EPA Hazardous Substances (Classification) Notice 2017

Section 3. Composition / Information on Hazardous Ingredients

Ingredients	Wt%	CAS NUMBER.
2-Butoxyethanol	1-5	111-76-2

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 with water. Do not induce vomiting. 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: Eyes, reddened, watering eyes, drying of the skin, gastrointestinal disturbances, nausea.

Notes to Doctor: Symptomatic treatment.

Section 5. Fire Fighting Measures

Hazard Type	Non Flammable
Hazards from products	Oxides of carbon Oxides of nitrogen Toxic gases
Suitable Extinguishing media	Water jet spray/foam/CO2/dry extinguisher Do not use: High power water jet.
Precautions for firefighters and special protective clothing	Protective respirator with independent air supply according to size of fire Full protection, if necessary. In case of fire and/or explosion do not breathe fumes.
HAZCHEM CODE	**None allocated**

Section 6. Accidental Release Measures

Wear protective gear as detailed in Section 8. Evacuate all unnecessary personnel. Ensure sufficient supply of air. Avoid contact with eyes or skin.

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

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).

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

Section 7. Handling and Storage

Precautions for Handling:

- Ensure good ventilation.
- Avoid aerosol formation.
- Avoid inhalation of the vapours.
- Avoid contact with eyes or skin.
- Keep away from sources of ignition - Do not smoke.
- Eating, drinking, smoking, as well as food-storage, is prohibited in work-room.
- Observe directions on label and instructions for use.
- Store away from incompatible materials listed in Section 10.
- General hygiene measures for the handling of chemicals are applicable.
- Wash hands before breaks and at end of work.
- Keep away from food, drink and animal feeding stuffs.
- Remove contaminated clothing and protective equipment before entering areas in which food is consumed.

Precautions for Storage:

- Store product closed and only in original packing.
- Not to be stored in gangways or stair wells.
- Protect from direct sunlight and warming.
- Store at room temperature.
- Do not store with alkalis, oxidizing agents or acids.
- Suitable container: Polypropylene; Stainless steel (alloy steel);
- Unsuitable container: Aluminium; Copper; Light metals

Section 8 Exposure Controls / Personal Protection

WORKPLACE EXPOSURE STANDARDS (provided for guidance only)

Substance	TWA ppm	TWA mg/m³	STEL ppm	STEL mg/m³
2-Butoxyethanol (skin) [111-76-2]	25	121	-	-

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 good ventilation. This can be achieved by local suction or general air extraction.

Personal Protection Equipment

Eyes	Tight fitting protective goggles with side protection.
Skin	Chemical resistant protective gloves such as Nitrile with a layer thickness of 0.5mm and penetration time of >120min.
Respiratory	Normally not necessary.
General	General hygiene measures for the handling of chemicals are applicable. Wash hands before breaks and at end of work. Keep away from food, drink and animal feeding stuffs. Remove contaminated clothing and protective equipment before entering areas in which food is consumed.

Section 9 Physical and Chemical Properties

Form	Liquid
Colour	Colourless
Odour	Characteristic
Odour Threshold	Not available
pH @20^{0}C	7.2
Boiling Point	Not applicable
Melting Point	Not applicable
Freezing Point	Not applicable
Flash Point	Not applicable
Flammability	Not applicable
Upper and Lower Explosive Limits	Not applicable
Vapour Pressure @20^{0}C	Not applicable
Density	1.07 g/cm^3
Specific Gravity	Not applicable
Water Solubility	Soluble
Partition coefficient (n-octanol/water):	<3
Ignition Temperature	Not applicable
Decomposition Temperature	Not applicable
Viscosity @20^{0}C	820 mPas
Particle Characteristics	Not applicable
Solvent content	Not applicable
Solids content	Not applicable

Section 10. Stability and Reactivity

Stability of Substance	This product is stable under normal conditions.
Possibility of hazardous reactions	No known hazardous reactions.
Conditions to Avoid	Strong heat.
Incompatible Materials	Avoid contact with strong oxidizing agents, alkalis and acids.
Hazardous Decomposition Products	No decomposition when used as directed.

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	Not applicable.

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 date available

2-Butoxyethanol

Toxicity / effect	Endpoint	Time	Value	Unit	Organism	Test method	Notes
12.1. Toxicity to fish:	LC50	96h	1474	mg/l	Oncorhynchus mykiss	OECD 203 (Fish, Acute Toxicity Test)	
12.1. Toxicity to fish:	NOEC/NOEL	21d	>100	mg/l	Brachydanio rerio	OECD 204 (Fish, Prolonged Toxicity Test - 14-Day Study)	
12.1. Toxicity to fish:	LC50	96h	1490	mg/l	Lepomis macrochirus		
12.1. Toxicity to daphnia:	EC50	48h	1550	mg/l	Daphnia magna	OECD 202 (Daphnia sp. Acute Immobilisation Test)	
12.1. Toxicity to daphnia:	NOEC/NOEL	21d	100	mg/l	Daphnia magna	OECD 211 (Daphnia magna Reproduction Test)	

12.1. Toxicity to algae:	EC50	72h	1840	mg/l	Pseudokirchnerie lla subcapitata	OECD 201 (Alga, Growth Inhibition Test)	
12.1. Toxicity to algae:	NOEC/NOEL	72h	286	mg/l	Pseudokirchnerie lla subcapitata	OECD 201 (Alga, Growth Inhibition Test)	
12.2. Persistence and degradability:		28d	95	%		OECD 301 E (Ready Biodegradability - Modified OECD Screening Test)	
12.2. Persistence and degradability:		28d	>99	%		OECD 302 B (Inherent Biodegradability - Zahn-Wellens/EMPA Test)	
12.3. Bioaccumulative potential:	BCF		3,2				
12.3. Bioaccumulative potential:	Log Pow		0,83				Negative
12.4. Mobility in soil:	H (Henry)		0,0000016	atm*m3/mol			
12.4. Mobility in soil:	Koc		67				Ex
12.5. Results of PBT and vPvB assessment							No PBT subs
Toxicity to bacteria:	ECO	16h	700	mg/l	Pseudomonas putida	DIN 38412 T.8	

Sucrose							
Toxicity / effect	**Endpoint**	**Time**	**Value**	**Unit**	**Organism**	**Test method**	**Notes**
12.3. Bioaccumulative potential:	Log Pow		-3,67				calculated

Glycerine							
Toxicity / effect	**Endpoint**	**Time**	**Value**	**Unit**	**Organism**	**Test method**	**Notes**
12.1. Toxicity to fish:	LC50	96h	> 5000	mg/l	Carassius auratus		
12.1. Toxicity to daphnia:	EC50	48h	>10000	mg/l	Daphnia magna		
12.1. Toxicity to algae:	EC50		2900	mg/l	Chlorella vulgaris		

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

This substance is NOT classified hazardous according to the EPA Hazardous Substances (Classification) Notice 2017

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
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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