SAFETY DATA SHEET

Section 1. Identification of the material and the supplier

Product:	**Rear View Mirror Adhesive (Part B-Primer)**
Product Code:	AT058B
Product Use:	Adhesive: component
Restriction of use:	Refer to Section 15
New Zealand Supplier:	**Glasscorp Limited**
Address:	**124 Bush Road** **Albany** **Auckland** **New Zealand**
Telephone:	09 415 6338
Fax Number:	09 415 6339
Website	www.glasscorp.co.nz
Emergency Telephone:	**09 415 6338 or 0800 764 766 (National Poison Line)**
Glasscorp date of issue:	30 April 2021

Section 2. Hazards Identification

This substance is hazardous according to the EPA Hazardous Substances (Classification) Notice 2020

EPA Approval Code: Surface Coatings and Colourants (Flammable) – HSR002662

Pictograms:

Flammable Irritant

Signal Word: **DANGER**

GHS Classification and Category	Hazard Code	Hazard Statement
Flammable Liquids Cat. 2	H225	Highly flammable liquid and vapour.
Eye irritation Cat. 2	H319	Causes serious eye irritation.
STOT(SE) – Cat 3 (Narcotic)	H336	May cause drowsiness or dizziness.

Prevention Code	Prevention Statement
P103	Read label before use.
P210	Keep away from heat, sparks, open flames, hot surfaces. No smoking.
P233	Keep container tightly closed.
P240	Ground or bond container and receiving equipment.
P241	Use explosion-proof electrical, ventilating and lighting.
P242	Use only non-sparking tools.

P243	Take precautionary measures against static discharge.
P261	Avoid breathing fumes, vapours or spray.
P264	Wash hands thoroughly after handling.
P271	Use only outdoors or in a well-ventilated area.
P280	Wear protective clothing as detailed in Section 8.

Response code	**Response Statement**
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.
P337 + P313	If eye irritation persists: Get medical advice/attention.
P370 + P378	In case of fire: Use carbon dioxide (CO2), dry chemical powder or foam.

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	Triple rinse and dispose of according to local regulations

Section 3. Composition / Information on Ingredients

Hazardous Ingredients	**Cas Number**	**Weight**
Acetone	67-64-1	80-85
3,5-diethyl-1,2-dihydro-1-phenyl-2-propylpyridine	34562-31-7	5-10
Copper(II)acetylacetonate	13395-16-9	<5

Section 4. First Aid Measures

Routes of Exposure:

If in Eyes — Rinse immediately with plenty of water, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician.

If on Skin — Remove/Take off immediately all contaminated clothing and wash before reuse. Wash skin with plenty of soap and water. If skin irritation or rash occurs: Immediately call a POISON CENTER or doctor/physician.

If Swallowed — If swallowed, do NOT induce vomiting. Drink plenty of water. Never give anything by the mouth to an unconscious patient. Call Poisons Centre or Doctor if needed.

If Inhaled — Remove victim from exposure. Remove contaminated clothing and loosen remaining clothing. Allow patient to assume most comfortable position and keep warm. Keep at rest until fully recovered. Seek medical advice if effects persist.

Most important symptoms and effects, both acute and delayed

Symptoms:
Swallowed: Harmful if swallowed.
Inhaled: May cause dizziness or drowsiness.

Eyes: Causes serious eye irritation.
Skin: Dry skin. May cause dermatitis by skin contact.

Section 5. Fire Fighting Measures

Hazard Type	Highly Flammable
Hazards from products	Heat may cause pressure rise in tanks/drums: explosion risk. Irritating organic vapors. Oxides of Nitrogen. Carbon dioxide. Carbon monoxide.
Suitable Extinguishing media	Carbon dioxide (CO2), dry chemical powder, foam. Do not use solid water jet ineffective as extinguishing medium.
Precautions for firefighters and special protective clothing	Do not enter fire area without proper protective equipment, including respiratory protection.
HAZCHEM CODE	**2YE**

Section 6. Accidental Release Measures

Equipment and emergency procedures
Evacuate all non-essential personnel. Heating may cause a fire. Isolate from fire, if possible, without unnecessary risk. Ensure adequate ventilation, especially in confined areas.
Avoid breathing vapors or fumes. Chemical goggles or face shield with safety glasses. In case of insufficient ventilation, wear suitable respiratory equipment. Protective gloves. Do not get in eyes, on skin, or on clothing. No open flames, no sparks, and no smoking. Stop leak if safe to do so. Stop release.

Environmental precautions
Avoid release to the environment. Prevent entry to sewers and public waters.

Methods and materials for containment and cleaning up
Dam up the liquid spill. Take up liquid spill into inert absorbent material. Absorbed substance: shovel into drums. Dispose of waste according to the applicable local and national regulations as detailed in Section 13.

Section 7. Handling and Storage

Precautions for safe handling:

- Read label before use.
- Keep away from heat, sparks, open flames, hot surfaces. No smoking.
- Keep container tightly closed.
- Handle empty containers with care because residual vapors are flammable.
- Ground or bond container and receiving equipment.
- Use explosion-proof electrical, ventilating and lighting.
- Use only non-sparking tools.
- Take precautionary measures against static discharge.
- Avoid breathing fumes, vapours or spray.
- Avoid contact with skin, eyes and clothing.
- Avoid prolonged and repeated contact with skin.
- Do not eat, drink or smoke when using this product.
- Wash contaminated clothing before reuse.
- Wash hands, forearms and face thoroughly after handling.
- Use only outdoors or in a well-ventilated area.
- Wear protective clothing as detailed in Section 8.

Precautions for safe storage:

- Store locked up.
- Keep container tightly closed.

- Store away from free radical initiators, oxidizing agents and peroxides.
- KEEP SUBSTANCE AWAY FROM: ignition sources / heat sources.
- Keep in a cool, well-ventilated place away from heat.
- Ensure adequate ventilation, especially in confined areas.
- Provide local exhaust or general room ventilation.
- Maximum storage period: 6 months
- Storage temperature: 8 – 32^{0}C

Section 8 Exposure Controls / Personal Protection

WORKPLACE EXPOSURE STANDARDS (provided for guidance only)

Substance		TWA ppm	TWA mg/m³	STEL ppm	STEL mg/m³
Acetone (bio)	[67-64-1]	500	1,185	1,000	2,375

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 2019 11TH EDITION

Engineering Controls:
Provide local exhaust or general room ventilation.

Personal Protection Equipment

Eyes	Chemical goggles or safety glasses.
Hands and Skin	Wear protective gloves and protective clothing.
Respiratory	Not normally required. Wear respiratory protection in areas of poor ventilation

Section 9 Physical and Chemical Properties

Appearance	Mobile Liquid
Colour	Colourless to light brown.
Odour	Aromatic
Odour Threshold	Not available
pH	6
Boiling Point	56^{0}C
Melting Point	Not available
Freezing Point	Not available
Flash Point	-20^{0}C
Flammability	Not available
Upper and Lower Explosive Limits	2,3 - 13 vol % Acetone
Vapour Pressure	172 mm Hg
Relative Vapour Density @ 20^{0}C	2
Relative Density	0.8
Soluble in water	Not available
Partition Coefficient:	Not available

Auto-ignition Temperature	Not available
Decomposition Temperature	Not available
Kinematic synamic	≈ 1
VOC content	100%

Section 10. Stability and Reactivity

Stability of Substance	This product is stable under normal conditions.
Possibility of hazardous reactions:	No additional information available.
Conditions to Avoid	Sources of ignition, heat.
Incompatible Materials	Oxidizing agent.
Hazardous Decomposition Products	Irritating organic vapors. Oxides of Nitrogen. Carbon dioxide. Carbon monoxide.

Section 11 Toxicological Information

Acute Effects:

Swallowed	Not applicable.
Dermal	Not applicable.
Inhalation	Not applicable.
Eye	Causes serious eye irritation.
Skin	Not applicable.

Chronic Effects:

Carcinogenicity	Not applicable.
Reproductive Toxicity	Not applicable.
Germ Cell Mutagenicity	Not applicable.
Aspiration	Not applicable.
STOT/SE	May cause drowsiness or dizziness
STOT/RE	Not applicable

acetone (67-64-1)	
LD50 oral rat	5800 mg/kg (Rat; Equivalent or similar to OECD 401; Experimental value)
LD50 dermal rabbit	20000 mg/kg (Rabbit; Experimental value; Equivalent or similar to OECD 402)
LC50 inhalation rat (mg/l)	71 mg/l/4h (Rat; Experimental value; 76 mg/l/4h; Rat; Experimental value)
LC50 inhalation rat (ppm)	30000 ppm/4h (Rat; Experimental value)
3,5-diethyl-1,2-dihydro-1-phenyl-2-propylpyridine (34562-31-7)	
LD50 oral rat	2250 mg/kg (Rat; Literature study)

Section 12. Ecotoxicological Information

Aquatic Acute / Chronic: Not classified

acetone (67-64-1)	
LC50 fish 1	6210 mg/l (96 h; Pimephales promelas; Nominal concentration)
LC50 fish 2	5540 mg/l 96 h; Salmo gairdneri (Oncorhynchus mykiss)
EC50 Daphnia 1	8800 mg/l (48 h; Daphnia pulex)
TLM fish 1	13000 ppm (96 h; Gambusia affinis; Turbulent water)
TLM fish 2	> 1000 ppm (96 h; Pisces)
Threshold limit other aquatic organisms 1	3000 mg/l (Plankton)
Threshold limit other aquatic organisms 2	28 mg/l (Protozoa)
Threshold limit algae 1	7500 mg/l (Scenedesmus quadricauda; pH = 7)

Threshold limit algae 2	3400 mg/l (48 h; Chlorella sp.)
Copper(II)acetylacetonate (13395-16-9)	
LC50 fish 1	68 - 94 µg/l (96 h; Oncorhynchus mykiss; Copper ion)
Threshold limit algae 1	30 - 824,72 h; Pseudokirchneriella subcapitata; Copper ion

Persistence and degradability

acetone (67-64-1)	
Persistence and degradability	Readily biodegradable in water. Biodegradable in the soil. Biodegradable in the soil under anaerobic conditions. No (test)data on mobility of the substance
Biochemical oxygen demand (BOD)	1,43 g O_2/g substance
Chemical oxygen demand (COD)	1,92 g O_2/g substance
ThOD	2,2 g O_2/g substance
BOD (% of ThOD)	(20 day(s)) 0.872
3,5-diethyl-1,2-dihydro-1-phenyl-2-propylpyridine (34562-31-7)	
Persistence and degradability	Biodegradability in water: no data available. Biodegradability in soil: no data available. No (test)data on mobility of the substance available.
copper(II)acetylacetonate (13395-16-9)	
Persistence and degradability	Biodegradability in water: no data available. Biodegradability in soil: no data

Bioaccumulative potential

acetone (67-64-1)	
BCF fish 1	0,69 (Pisces)
BCF other aquatic organisms 1	3
Log Pow	-0,24 (Test data)
Bioaccumulative potential	Not bioaccumulative.
3,5-diethyl-1,2-dihydro-1-phenyl-2-propylpyridine (34562-31-7)	
Bioaccumulative potential	No bioaccumulation data available.
copper(II)acetylacetonate (13395-16-9)	
BCF other aquatic organisms 1	1 - 10 (Copper ion)
Log Pow	-2,31 (Calculated)
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).

Mobility in Soil

acetone (67-64-1)	
Surface tension	0,0237 N/m
copper(II)acetylacetonate (13395-16-9)	
Ecology - soil	Soil contaminant.

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 – Highly Flammable" and that the label also has the appropriate pictograms from section 2, waste type identifier, and the business name, address, and phone number.

Precautions or methods to avoid: Do not allow to enter waterways.

Section 14 Transport Information

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

Road, Rail, Sea and Air Transport

UN No	1090
Class - Primary	3
Packing Group	II
Proper Shipping Name	ACETONE
Marine Pollutant	No
Special Provisions	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

EPA Approval Code: Surface Coatings and Colourants (Flammable) – HSR002662

HSW (HS) Regulations 2017	Trigger Quantity
Certified Handlers	Not required
Location Certificate	100L(>5L), 250L (<5L), 50L open (Flammable Liquid Cat 2)
Signage Trigger Quantities (Schedule 3)	250L (Flammable Liquid Cat 2)
Emergency Response Plan (Schedule 5)	1000L (Flammable Liquid Cat 2)
Secondary Containment (Schedule 5)	1000L (Flammable Liquid Cat 2)
Fire Extinguishers	250 L 2 x required
Tracking (Schedule 26)	Not required
Restriction of use	Only for intended use.

Section 16 Other Information

Glossary

Cat.	Category
AWC	Aggregate water capacity.
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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