

SAFETY DATA SHEET



Product name: 1K E-Coat Clear Coat Aerosol

Product code: ERP-CC

Print Date: 2018-08-16

v5.0

Revision Date: 2018-08-16

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1. Identification of the substance/mixture and of the company/undertaking

Product name 1K E-Coat Clear Coat Aerosol

Product code ERP-CC

Intended use of the substance/preparation

Coating for professional use

Supplier

Street address

Telephone

Telefax

Axalta Coating Systems Australia Pty Limited

15 - 23 Melbourne Road, Riverstone NSW 2765, Australia

Emergency Information

Emergency telephone number

+(64) 9801 0034

NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248

Importer

Street/Box

Nat.-Code/Postal code/City

Telephone

Date of preparation

Resene Automotive & Light Industrial

4 Te Apunga Place, Mt Wellington, Auckland, NZ

+64 (09) 259 2738

2018-08-16

2. Hazards identification

Classified as a Dangerous Good according to NZS 5433

Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable aerosols

Serious eye damage/eye irritation

Skin sensitisation

Germ cell mutagenicity

Carcinogenicity

Target Organ Systemic Toxicant - Single exposure

Target Organ Systemic Toxicant - Repeated exposure

Acute aquatic toxicity

Category 2.1.2A

Category 8.3A

Category 6.5B

Category 6.6A

Category 6.7A

class 6.9B (narcotic effects)

Category 6.9B

Category 9.1D

GHS-Labeling

Hazard symbols



Signal word: Danger

Hazard statements

Extremely flammable aerosol.

Pressurized container: May burst if heated.

May cause an allergic skin reaction.

Causes serious eye damage.

May cause drowsiness or dizziness.

May cause genetic defects.

May cause cancer.

May cause damage to organs through prolonged or repeated exposure.

Harmful to aquatic life.

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Precautionary statements

Obtain special instructions before use.

Keep away from heat/sparks/open flames/hot surfaces. No smoking.

Do not spray on an open flame or other ignition source.

Pressurized container: Do not pierce or burn, even after use.

Do not breathe dust/ fume/ gas/ mist/ vapours/ spray.

Wear protective gloves/protective clothing/eye protection/face protection.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Immediately call a POISON CENTER/doctor.

If skin irritation or rash occurs: Get medical advice/ attention.

Wash contaminated clothing before reuse.

Protect from sunlight. Do not expose to temperatures exceeding 50 °C/ 122 °F.

Other hazards which do not result in classification

Contains: bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate; A mixture of:

α -3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyl- ω -hydroxypoly(oxyethylene); α -3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyl- ω -3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyloxypoly(oxyethylene).

May produce an allergic reaction. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

Hazardous components

CAS-No.	Chemical name	Concentration	GHS Hazardous
67-64-1	acetone	10 - 20%	✓
123-86-4	n-butyl acetate	10 - 20%	✓
68476-85-7	propane	10 - 20%	✓
74-98-6	propane	10 - 20%	✓
67-63-0	propan-2-ol	5 - 10%	✓
71-23-8	propan-1-ol	5 - 10%	✓
1330-20-7	xylene	5 - 10%	✓
141-78-6	ethyl acetate	1 - 3%	✓
100-41-4	ethylbenzene	1 - 3%	✓
108-65-6	2-methoxy-1-methylethyl acetate	1 - 3%	✓
41556-26-7	bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate	0.1 - 0.3%	✓
71-36-3	n-butanol	0.1 - 0.3%	✓
	A mixture of: α -3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyl- ω -hydroxypoly(oxyethylene); α -3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyl- ω -3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyloxypoly(oxyethylene)	0.1 - 0.3%	✓

Non-regulated ingredients 10 - 20%

4. First aid measures

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Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this safety data sheet (SDS) or product label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

Extremely flammable liquid and vapour. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self-contained breathing apparatus for firefighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

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Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Handling

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another.

Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage

Suitable storage conditions

Observe label precautions. Refer to Technical Data Sheet (TDS) for further information about storage temperature. Store in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

National occupational exposure limits

Chemical name		
acetone	TWA	500 ppm
	TWA	1,185 mg/m ³
	STEL	1,000 ppm
	STEL	2,375 mg/m ³
n-butyl acetate	TWA	150 ppm
	TWA	713 mg/m ³
	STEL	200 ppm
	STEL	950 mg/m ³
propane	TWA	1,000 ppm
	TWA	1,800 mg/m ³
propan-2-ol	TWA	400 ppm
	TWA	983 mg/m ³
	STEL	500 ppm
	STEL	1,230 mg/m ³
propan-1-ol	TWA	200 ppm
	TWA	492 mg/m ³
	STEL	250 ppm
	STEL	614 mg/m ³
xylene	TWA	50 ppm
	TWA	217 mg/m ³
ethyl acetate	TWA	200 ppm
	TWA	720 mg/m ³

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Chemical name

ethylbenzene	TWA	100 ppm
	TWA	434 mg/m3
	STEL	125 ppm
	STEL	543 mg/m3
n-butanol	CEIL	50 ppm
	CEIL	150 mg/m3

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Glossary

CEIL Ceiling exposure limit
STEL Short term exposure limit
TWA Time weighted average

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye protection

Use safety eyewear designed to protect against splash of products.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical name	Glove material	Glove thickness	Break through time
n-butyl acetate	Viton (R) ®	0.7 mm	10 MIN
	Nitrile rubber	0.33 mm	30 MIN
propan-1-ol	Viton (R) ®	0.7 mm	480 MIN
	Nitrile rubber	0.33 mm	481 MIN
xylene	Nitrile rubber	0.33 mm	30 MIN
	Viton (R) ®	0.7 mm	480 MIN
ethyl acetate	Nitrile rubber	0.33 mm	10 MIN
	Viton (R) ®	0.7 mm	480 MIN
n-butanol	Viton (R) ®	0.7 mm	480 MIN
	Nitrile rubber	0.33 mm	480 MIN

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatril® glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothing made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties

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Appearance

Form : aerosol **Colour**: transparent **Odor Threshold** : No data available

pH	No data available.	
Freezing point	-188 – -48 °C	
Boiling point	-42 °C	
Flash point	15 °C	
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	13.7 %	
Lower explosion limit	1 %	
Vapour pressure	356.9 hPa	
Solubility(ies)	appreciable	
Vapour density	No data available	
Density	0.76 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	No data available	
Ignition temperature	272 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	Not applicable.	ISO 2431-1993

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidizing agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information

Information on likely routes of exposure

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

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Delayed and immediate effects and also chronic effects from short and long term exposure:

Acute oral toxicity

not hazardous

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

not hazardous

% of unknown composition: 0 %

Skin corrosion/irritation

Not classified according to GHS criteria

Serious eye damage/eye irritation

acetone	Category 2A
propan-2-ol	Category 2A
propan-1-ol	Category 1
xylene	Category 2A
ethyl acetate	Category 2A
n-butanol	Category 1

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate

A mixture of: α -3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyl- ω -hydroxypoly(oxyethylene); α -3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyl- ω -hydroxypoly(oxyethylene)

Germ cell mutagenicity

propane Category 1B

Carcinogenicity

propane Category 1B

Toxicity for reproduction

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Single exposure

• Inhalation

Narcotic effects acetone, propan-2-ol, propan-1-ol

Target Organ Systemic Toxicant - Repeated exposure

No data available.

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorption, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage.

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12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

n-butyl acetate	Category 3
ethylbenzene	Category 2
bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate	Category 1

% of unknown composition 17.7%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods

Dispose of in accordance with local regulations.

Disposal considerations

14. Transport information

NZS5433

Proper shipping name: AEROSOLS

UN number: 1950

Hazard Class: 2.1

Packing group:

Hazchem Code:

IMDG (Sea transport)

Proper shipping name: AEROSOLS

UN number: 1950

Hazard Class: 2.1

Subsidiary Hazard Class: Not applicable.

Packing group:

Marine Pollutant: no

EmS: F-D,S-U

ICAO/IATA (Air transport)

Proper shipping name: AEROSOLS, flammable

UN number: 1950

Hazard Class: 2.1

Subsidiary Hazard Class: Not applicable.

Packing group:

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Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information

National regulatory information

HSNO Approval Code	HSR002517
HSNO Control A	This product must be under the control of an approved handler during use.
HSNO Classification	
Serious eye damage/eye irritation	Category 8.3A
Skin sensitisation	Category 6.5B
Germ cell mutagenicity	Category 6.6A
Carcinogenicity	Category 6.7A
Target Organ Systemic Toxicant - Single exposure	class 6.9B (narcotic effects)
Target Organ Systemic Toxicant - Repeated exposure	Category 6.9B
Flammable aerosols	Category 2.1.2A
Acute aquatic toxicity	Category 9.1D

16. Other information

Revision Note

Version Changes

5.0 2, 3, 8, 11, 15

Revision Date: 2018-08-16

B13168932

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet