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

Product name CHALLENGER 2K CLEAR FAST

Product code 2221403

Recommended use of the chemical
Coating for professional use

Restrictions on use
The product is only for industrial and/or professional use, not for any private consumer use.

Information on the Manufacturer/Supplier/Distributor

Producer/Supplier	Axalta Coating Systems Australia Pty Limited
Street/Box	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia

Product Information

Telephone	+61 (0)2 8818 4300
	http://www.axalta.com.au

Emergency Information

Emergency telephone number	1800 089 766
	AU Poisons Information Centre: 131 126
Medical Emergency Phone	1800 674 415
Transportation Emergency Phone	1800 089 766

For further information, please also consult our Internet site
http://www.axaltacoatingsystems.com

2. Hazards identification

Classified as HAZARDOUS according to the GHS criteria under Australian Work Health Safety (WHS) Act 2011.
Classified as DANGEROUS GOODS according to the Australian Dangerous Goods (ADG) Code

GHS-Classification

Flammable liquids	Category 2
Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 2A
Skin sensitisation	Category 1
Toxicity for reproduction	Category 2
Target Organ Systemic Toxicant - Single exposure	Category 3
Target Organ Systemic Toxicant - Repeated exposure	Category 2

GHS-Labelling

Hazard symbols

Signal word: Danger

Hazard statements

Repeated exposure may cause skin dryness or cracking.
Contains epoxy constituents. May produce an allergic reaction.
Highly flammable liquid and vapour.
Causes skin irritation.
May cause an allergic skin reaction.
Causes serious eye irritation.
May cause respiratory irritation.
Suspected of damaging fertility or the unborn child.
May cause damage to organs through prolonged or repeated exposure.

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Precautionary statements

Obtain special instructions before use.
Keep away from heat/sparks/open flames/hot surfaces. No smoking.
Ground/bond container and receiving equipment.
Use explosion-proof electrical/ventilating/lighting equipment.
Use only non-sparking tools.
Take precautionary measures against static discharge.
Do not breathe dust/ fume/ gas/ mist/ vapours/ spray.
Use only outdoors or in a well-ventilated area.
Contaminated work clothing should not be allowed out of the workplace.
Wear protective gloves/protective clothing/eye protection/face protection.
IF ON SKIN: Wash with plenty of soap and water.
IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower.
IF INHALED: Remove person to fresh air and keep comfortable for breathing.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Specific treatment (see supplemental first aid instructions on this label).
If skin irritation or rash occurs: Get medical advice/ attention.
If eye irritation persists: Get medical advice/ attention.
Take off contaminated clothing and wash before reuse.
Store in a well-ventilated place. Keep container tightly closed.
Store locked up.
Dispose of contents/container in accordance with local regulations.

Other hazards which do not result in classification
Contains: bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate; isobutyl methacrylate. May produce an allergic reaction.

Special hazard instructions for humans and environment
Keep away from sources of ignition - No smoking. Do not breathe vapour/spray. Take precautionary measures against static discharges. Wear suitable protective clothing and gloves. In case of insufficient ventilation, wear suitable respiratory equipment. Restricted to professional users.

3. Composition/information on ingredients

Chemical nature
Mixture of synthetic resins and solvents

Hazardous components

CAS-No.	Chemical name	Concentration	GHS Hazardous
1330-20-7	xylene	20 - 30%	√
123-86-4	n-butyl acetate	10 - 20%	√
100-41-4	ethylbenzene	5 - 10%	√
108-10-1	4-methylpentan-2-one	5 - 10%	√
78-93-3	butanone	3 - 5%	√
95-63-6	1,2,4-trimethylbenzene	1 - 3%	√
64742-95-6	solvent naphtha (petroleum), light arom. (<0,1% benzene)	1 - 3%	√
41556-26-7	bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate	0.1 - 0.3%	√
97-86-9	isobutyl methacrylate	0.1 - 0.3%	√
108-88-3	toluene	0.1 - 0.3%	√

Non-regulated ingredients 30 - 40%

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4. First aid measures

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.

Indication of Immediate medical attention and special treatment needed if necessary
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

Extinguishing media which shall not be used for safety reasons
High volume water jet

Hazardous combustion products
CO, CO2, smoke, and oxides of any heavy metals that are reported in “Composition, Information on Ingredients” section.

Fire and Explosion Hazards
Flammable liquid. Vapor/air mixture will burn when an ignition source is present.

Special Protective Equipment and Fire Fighting Procedures
Full protective flameproof clothing should be worn as appropriate. Wear self-contained breathing apparatus for firefighting if necessary. In the event of fire, cool tanks with water spray. Do not allow run-off from fire fighting to enter public sewer systems or public waterways.

Additional information
Hazchem Code: 3YE

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures
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.

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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
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.
For personal protection see section 8. Comply with the health and safety at work laws. If material is a coating, do not sand, flame cut, braze or weld dry coating without an appropriate respirator or appropriate ventilation, and gloves.

Advice on protection against fire and explosion
Solvent vapours are heavier than air and may spread along floors. Vapours may form explosive mixtures with air. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Storage

Requirements for storage areas and containers
Storage temperature: +5 to +35°C. Observe label precautions. 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.

Advice on common storage
Store separately from oxidizing agents and strongly alkaline and strongly acidic materials.

8. Exposure controls/personal protection

Additional technical information on the plant
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. During spray operations, use spray booth fitted to airflow requirements of AS/NZS 4114.

National occupational exposure limits

CAS-No.	Chemical name	Values	Control Parameters	Basis
1330-20-7	xylene	STEL	655 mg/m3	NOHSC:1003(2003)
			150 ppm	NOHSC:1003(2003)
		TWA	350 mg/m3	NOHSC:1003(2003)
			80 ppm	NOHSC:1003(2003)
123-86-4	n-butyl acetate	STEL	950 mg/m3	NOHSC:1003(2003)
			200 ppm	NOHSC:1003(2003)
		TWA	713 mg/m3	NOHSC:1003(2003)
			150 ppm	NOHSC:1003(2003)

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CAS-No.	Chemical name	Values	Control Parameters	Basis
100-41-4	ethylbenzene	STEL	543 mg/m3	NOHSC:1003(2003)
			125 ppm	NOHSC:1003(2003)
		TWA	434 mg/m3	NOHSC:1003(2003)
			100 ppm	NOHSC:1003(2003)
108-10-1	4-methylpentan-2-one	STEL	307 mg/m3	NOHSC:1003(2003)
			75 ppm	NOHSC:1003(2003)
		TWA	205 mg/m3	NOHSC:1003(2003)
			50 ppm	NOHSC:1003(2003)
78-93-3	butanone	STEL	890 mg/m3	NOHSC:1003(2003)
			300 ppm	NOHSC:1003(2003)
		TWA	445 mg/m3	NOHSC:1003(2003)
			150 ppm	NOHSC:1003(2003)
95-63-6	1,2,4-trimethylbenzene	TWA	123 mg/m3	NOHSC:1003(2003)
			25 ppm	NOHSC:1003(2003)
64742-95-6	solvent naphtha (petroleum), light arom. (<0,1% benzene)			no exposure standard allocated
41556-26-7	bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate			no exposure standard allocated
97-86-9	isobutyl methacrylate			no exposure standard allocated
108-88-3	toluene	STEL	574 mg/m3	NOHSC:1003(2003)
			150 ppm	NOHSC:1003(2003)
		TWA	191 mg/m3	NOHSC:1003(2003)
			50 ppm	NOHSC:1003(2003)

Glossary

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.

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
xylene	Nitrile rubber	0.33 mm	30 MIN
	Viton (R) ®	0.7 mm	480 MIN
n-butyl acetate	Viton (R) ®	0.7 mm	10 MIN
	Nitrile rubber	0.33 mm	30 MIN
butanone	Viton (R) ®	0.7 mm	10 MIN
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Viton (R) ®	0.7 mm	30 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.

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Eye protection
Wear protective eyewear for protection against solvent spatter.

Skin and body protection
Wear suitable protective clothing. Personnel should wear antistatic clothings 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!

Environmental exposure controls
Do not let product enter drains.
For ecological information refer to section 12.

9. Physical and chemical properties

Information on basic physical and chemical properties

Appearance
Form: liquid; **Colour:** clear; **Odour:** Odour is not perceptible.; **Odor Threshold :** No data available

Important health, safety and environmental information

Property	Value	Method
pH	pH cannot be measured due to less solubility in water.	
Melting point/freezing point	Not applicable.	
Boiling point/boiling range	114 °C	
Flash point	18 °C	EN ISO 3679
Evaporation rate	Slower than Ether	
Flammability (solid, gas)	not relevant as product is liquid	
Lower explosion limit	1 vol-% based on organic solvent content	
Upper explosion limit	8 vol-% based on organic solvent content	
Vapour pressure	10.0 hPa	
Vapour density	No data available	
Density	0.94 g/cm^3	20 °C - DIN 53217/ISO 2811
Solubility(ies)		
Water solubility	moderate	
Solubility in other solvents	miscible with most organic solvents Listed in: Section 3. Composition/information on ingredients	
Partition coefficient: n-octanol/water	This product is a mixture. For ingredient details see section 12	
Auto-ignition temperature	404 °C	DIN 51794 based on organic solvent content
Decomposition temperature	This product is a mixture. For further information see section 10.	
Viscosity (23 °C)	Not applicable.	ISO 2431 - 1993
Explosive properties	Not explosive	
Oxidizing properties	not oxidizing	

Other data

Solvent separation test	< 3%	ADR/RID
Content of volatile components (including water)	61.8 %	Basis Vapour pressure >= 0.01 kPa
organic solvent content	61.8 %	Basis Vapour pressure >= 0.01 kPa

10. Stability and reactivity

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Stability

Stable

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.

Hazardous Polymerization

Will not occur.

Sensitivity to Static Discharge

Solvent vapors in air may explode if static grounding and bonding is not used during transfer of this product.

Sensitivity to Mechanical Impact

None known.

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.

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 classified according to GHS criteria

% of unknown composition: 0 %

Skin corrosion/irritation

xylene	Category 2
n-butyl acetate	Category 3
4-methylpentan-2-one	Category 3
butanone	Category 3
1,2,4-trimethylbenzene	Category 2
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 3
isobutyl methacrylate	Category 2
toluene	Category 2

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Serious eye damage/eye irritation

xylene	Category 2A
4-methylpentan-2-one	Category 2A
butanone	Category 2A
1,2,4-trimethylbenzene	Category 2A
isobutyl methacrylate	Category 2A

Respiratory sensitisation
Not classified according to GHS criteria

Skin sensitisation

Germ cell mutagenicity
Not classified according to GHS criteria

Carcinogenicity
Not classified according to GHS criteria

Toxicity for reproduction

toluene	Category 2

Target Organ Systemic Toxicant - Single exposure

- **Inhalation**

  Respiratory system 1,2,4-trimethylbenzene

  Central nervous system 1,2,4-trimethylbenzene

- **Skin Absorption**

  Narcotic effects toluene

Target Organ Systemic Toxicant - Repeated exposure

- **Inhalation**

  Respiratory system isobutyl methacrylate

- **Skin Absorption**

  Central nervous system 1,2,4-trimethylbenzene

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 resorbtion, 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.

12. Ecological information

Ecotoxicity effects
There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.
The data in this section is consistent with data from chemical safety reports available at the date of revision.

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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

Incinerate or otherwise dispose of waste material in accordance with local regulations. The product should not be allowed to enter drains, water courses or the soil. Do not incinerate in closed containers.

Contaminated packaging
Empty containers should be taken to an approved waste handling site for recycling or disposal. If recycling is not practicable, dispose of in compliance with local regulations.

14. Transport information

Transport in accordance with the requirements of the Carriage of Dangerous Goods by Road and Rail (Classifications, Packaging and Labeling), ADG for road, IMDG for sea and ICAO/IATA for air transport.

ADG (Land transport)

Proper shipping name:	PAINT
UN number:	1263
Hazard Class:	3
Subsidiary Hazard Class:	Not applicable.
Environmental hazards:	none
Packing group:	II
Hazchem:	3YE

IMDG (Sea transport)

Proper shipping name:	PAINT
UN number:	1263
Hazard Class:	3
Subsidiary Hazard Class:	Not applicable.
Environmental hazards:	none
Packing group:	II
Marine Pollutant:	no
EmS:	F-E,S-E

ICAO/IATA (Air transport)

Proper shipping name:	PAINT
UN number:	1263
Hazard Class:	3
Subsidiary Hazard Class:	Not applicable.
Environmental hazards:	none
Packing group:	II

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.

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15. Regulatory information

Symbol and indication of hazard.

F	Highly flammable
Xn	Harmful
Contains	xylene 20 - 30%.

R-phrase(s)

R11	Highly flammable.
R20/21	Harmful by inhalation and in contact with skin.
R36/37/38	Irritating to eyes, respiratory system and skin.
R52/53	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

S-phrase(s)

S16	Keep away from sources of ignition - No smoking.
S23	Do not breathe vapour/spray.
S33	Take precautionary measures against static discharges.
S36/37	Wear suitable protective clothing and gloves.
S38	In case of insufficient ventilation, wear suitable respiratory equipment.

Contains: bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate; isobutyl methacrylate. May produce an allergic reaction.

National regulatory information

- Standard for the Uniform Scheduling of Medicines and Poisons
  - Schedule 6
- Information about Other Regulations.
  - Not applicable

Restricted to professional users.

16. Other information

Sources of key data used to compile the datasheet
1. Code of Practice for the Preparation of Safety Data Sheets for Hazardous Chemicals, December 2011
2. Guidance on the Classification of Hazardous Chemicals Under The WHS Regulations, April 2012
3. Adopted National Exposure Standards for Atmospheric Contaminants in the Occupational Environment
4. Australian Dangerous Goods Code, 7.3 (National Road Transport Commission)
5. Standard for the Uniform Schedule of Medicines and Poisons (SUSMP), No. 9
6. Labelling of Workplace Hazardous Chemicals Code of Practice, March 2015

Further information
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 information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text. This Safety Data Sheet is valid in Australia for up to 5 years from listed Revision Date or when superseded by a later version.

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Report version

Version	Changes
6.0	11, 15

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End of Safety Data Sheet

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