

Safety Data Sheet

Revision Date 07-Oct-2020

Version 18

Supersedes Date: 16-May-2020

Section 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product Identifier

Product code HPC1
Product name URETHANE ACTIVATOR STANDARD

1.2. Relevant identified uses of the substance or mixture and uses advised against

Recommended use Paint, Coatings

1.3. Details of the supplier of the safety data sheet

See section 16 for more information

Valspar Corporation
Level 4, 2 Burbank Place
Baulkham Hills, New South Wales 2153

Valspar Corporation
2-14 Patiki Road, Avondale 1026
Auckland, New Zealand

For further information, please contact

E-mail address sdshelpdesk@valspareurope.com

1.4. Emergency telephone number

Australia +(61)-290372994
New Zealand +(64)-98010034

Poison control centre phone number

Australia 13 11 26
New Zealand 0800 764-766

Section 2: HAZARDS IDENTIFICATION

GHS - Classification

Acute toxicity - Inhalation (Dusts/Mists)	Category 4
Skin Corrosion/Irritation	Category 3
Serious eye damage/eye irritation	Category 2
Respiratory Sensitisation	Category 1
Skin Sensitisation	Category 1
Specific target organ toxicity (single exposure)	Category 3
Acute aquatic toxicity	Category 3
Chronic Aquatic Toxicity	Category 3
Flammable liquids	Category 2

Label elements



Signal word

DANGER

Contains Cyclohexane, 5-isocyanato-1-(isocyanatomethyl)-1,3,3-trimethyl-, homopolymer, Hexamethylene diisocyanate homopolymer, Methyl ethyl ketone, Solvent naphtha, petroleum, light aromatic , n-Butyl acetate, 1,2,4-Trimethylbenzene

HAZARD STATEMENTS

Highly flammable liquid and vapour
HARMFUL IF INHALED
Causes mild skin irritation
Causes serious eye irritation
May cause allergy or asthma symptoms or breathing difficulties if inhaled
May cause an allergic skin reaction
Harmful to aquatic life with long lasting effects
May cause respiratory irritation
May cause drowsiness or dizziness
AUH066 - Repeated exposure may cause skin dryness or cracking

PREVENTION

Avoid breathing dust/fume/gas/mist/vapours/spray
Use only outdoors or in a well-ventilated area
Wash face, hands and any exposed skin thoroughly after handling
Wear eye/face protection
In case of inadequate ventilation wear respiratory protection
Contaminated work clothing should not be allowed out of the workplace
Wear protective gloves
Avoid release to the environment
P210 - 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/ equipment
Use only non-sparking tools
Take precautionary measures against static discharge
Wear protective gloves/protective clothing/eye protection/face protection
Keep cool

RESPONSE

Get medical advice/attention if you feel unwell

Eyes

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/attention

Skin

IF ON SKIN: Wash with plenty of soap and water

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

Take off contaminated clothing and wash it before reuse

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower

INHALATION

IF INHALED: Remove person to fresh air and keep comfortable for breathing

If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician

INGESTION

Do NOT induce vomiting

IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell

FIRE

In case of fire: Use CO₂, dry chemical, or foam for extinction

STORAGE

Store in a well-ventilated place. Keep container tightly closed
Store locked up

DISPOSAL

Dispose of contents/container to an approved waste disposal plant

OTHER HAZARDS

Not applicable

Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name	CAS No	Weight-%
Hexamethylene diisocyanate homopolymer	28182-81-2	50 - 70
Methyl ethyl ketone	78-93-3	25 - 50
Cyclohexane, 5-isocyanato-1-(isocyanatomethyl)-1,3,3-trimethyl-, homopolymer	53880-05-0	5 - 10
Solvent naphtha, petroleum, light aromatic	64742-95-6	3 - 5
n-Butyl acetate	123-86-4	3 - 5
1,2,4-Trimethylbenzene	95-63-6	1 - 3
Hexamethylene diisocyanate	822-06-0	0.1 - 0.3

If this section is blank, there are no hazardous components per NOHSC guidelines.

Section 4: FIRST AID MEASURES

4.1. Description of first aid measures**General Advice**

Get medical advice/attention if you feel unwell.

Eye Contact

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/attention.

Skin contact

If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before reuse. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower.

INHALATION

IF INHALED: Remove person to fresh air and keep comfortable for breathing. If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.

INGESTION

Do NOT induce vomiting. IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms None known.

4.3. Indication of any immediate medical attention and special treatment needed

Note to doctors Treat symptomatically.

Section 5: FIRE FIGHTING MEASURES

5.1. Extinguishing media

Suitable Extinguishing Media Dry chemical, CO₂, water spray or alcohol-resistant foam.

Not to be used for safety reasons: Strong water jet

5.2. Special hazards arising from the substance or mixture

Burning produces heavy smoke. Fire may produce irritating and/or toxic gases. In the event of fire and/or explosion do not breathe fumes. May cause sensitisation by inhalation. May cause sensitisation by skin contact.

5.3. Advice for firefighters

Wear self-contained breathing apparatus and protective suit. Cool containers with flooding quantities of water until well after fire is out. Do not allow run-off from fire-fighting to enter drains or water courses.

HAZCHEM Code: 3YE

Section 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Personal Precautions

Avoid breathing vapours or mists. Remove all sources of ignition. Use personal protective equipment as required. Avoid contact with skin, eyes or clothing. Keep people away from and upwind of spill/leak. Evacuate personnel to safe areas. Take precautionary measures against static discharges.

For emergency responders

Use personal protection recommended in Section 8.

6.2. Environmental precautions

Do not allow into any sewer, on the ground or into any body of water. If the product contaminates lakes, rivers or sewage, inform appropriate authorities in accordance with local regulations. Prevent further leakage or spillage if safe to do so. Local authorities should be advised if significant spillages cannot be contained.

6.3. Methods and material for containment and cleaning up

Methods for Containment

Prevent further leakage or spillage if safe to do so.

Methods for Cleaning Up

Dispose of waste product or used containers according to local regulations. Clean with detergents. Avoid solvent cleaners. Take up mechanically, placing in appropriate containers for disposal. Dam up. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Pick up and transfer to properly labelled containers. Clean contaminated surface thoroughly.

6.4. Reference to other sections

See Section 8 for information on appropriate personal protective equipment. See Section 13 for additional waste treatment information.

Section 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

General Advice

Persons with a history of asthma, allergies, chronic or recurrent respiratory disease should not be exposed to any process in which this product is used. Examination of lung function should be carried out on a regular basis on persons spraying this product. This product contains isocyanates. Isocyanates are known to be strong sensitisers. Persons already sensitised to diisocyanates may develop allergic reactions when using this product.

Advice on safe handling

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. Operators should wear anti-static footwear and clothing and floors should be of the conducting type. Use personal protection recommended in Section 8. Never use pressure to empty container. Comply with the health and safety at work laws. Prevent product from entering drains. Vapours are heavier than air and may spread along floors. Vapours may form explosive mixtures with air. Use only with adequate ventilation. Do not breathe dust/fume/gas/mist/vapours/spray. Use only in well-ventilated areas. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static

electricity). Take precautionary measures against static discharges. Use spark-proof tools and explosion-proof equipment. All equipment used when handling the product must be grounded.

General hygiene considerations

When using do not eat, drink or smoke. Wash contaminated clothing before reuse. Avoid contact with skin, eyes or clothing.

7.2. Conditions for safe storage, including any incompatibilities

Storage Conditions

Keep/store only in original container. Store in accordance with local regulations. Keep unauthorised personnel away. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Keep container tightly closed in a dry and well-ventilated place. Keep tightly closed in a dry and cool place.

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Exposure Limits

If S* appears in the OEL table, it indicates this chemical contains a skin notation.

Chemical name	Australia	New Zealand	ACGIH TLV
Methyl ethyl ketone 78-93-3	TWA: 150 ppm TWA: 445 mg/m ³ STEL: 300 ppm STEL: 890 mg/m ³	TWA: 150 ppm TWA: 445 mg/m ³ STEL: 300 ppm STEL: 890 mg/m ³	STEL: 300 ppm TWA: 200 ppm
n-Butyl acetate 123-86-4	TWA: 150 ppm TWA: 713 mg/m ³ STEL: 200 ppm STEL: 950 mg/m ³	TWA: 150 ppm TWA: 713 mg/m ³ STEL: 200 ppm STEL: 950 mg/m ³	STEL: 150 ppm TWA: 50 ppm
1,2,4-Trimethylbenzene 95-63-6	TWA: 25 ppm TWA: 123 mg/m ³	TWA: 25 ppm TWA: 123 mg/m ³	TWA: 25 ppm
Hexamethylene diisocyanate 822-06-0	TWA: 0.02 mg/m ³ STEL: 0.07 mg/m ³	TWA: 0.02 mg/m ³ dust, mist or vapours STEL: 0.07 mg/m ³ dust, mist or vapour	TWA: 0.005 ppm

Biological Limit Values:.

Chemical name	Australia	New Zealand
Methyl ethyl ketone 78-93-3		2 mg/L urine end of shift MEK

8.2. Exposure controls

Engineering controls

Ensure adequate ventilation, especially in confined areas. Provide local exhaust ventilation. In case of insufficient ventilation, wear suitable respiratory equipment. When operators, whether spraying or not, have to work inside the spray booth, ventilation is unlikely to be sufficient to control particulates and solvent vapour in all cases. In such circumstances they should wear a compressed air-fed respirator during the spraying process and until such time as the particulates and solvent vapour concentration has fallen below the exposure limits. Dry sanding, flame cutting and/or welding of the dry paint film may give rise to dust and/or hazardous fumes. Under cool dry conditions, it is possible for the isocyanate to remain unreacted in the paint film for up to 30 hours after application. If dry flating is unavoidable air fed respiratory protective equipment should be used.

Personal Protective Equipment

Eye/Face Protection

Tight sealing safety goggles.

Skin and Body Protection

Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact. Wear suitable protective clothing. Wear anti-static clothing made of natural fibre or of high temperature resistant synthetic fibre.

Hand protection

There is no one glove material or combination of materials that will give unlimited resistance to any individual or combination of

chemicals. Ensure that the breakthrough time of the glove material is not exceeded. Refer to glove supplier for information on breakthrough time for specific gloves. The instructions and information provided by the glove manufacturer on use, storage, maintenance and replacement must be followed. Gloves should be replaced regularly and if there is any sign of damage to the glove material. Always ensure that gloves are free from defects and that they are stored and used correctly. The performance or effectiveness of the glove may be reduced by physical / chemical damage and poor maintenance. Wear protective gloves.

Respiratory Protection

In case of mist, spray or aerosol exposure wear suitable personal respiratory protection and protective suit. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Thermal Protection

No information available

Environmental exposure controls

Do not allow into any sewer, on the ground or into any body of water

Local authorities should be advised if significant spillages cannot be contained

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Physical State	Liquid
Appearance	No information available
Odour	Solvent
Colour	Clear
Odour threshold	No information available
PH	No information available
Melting point/freezing point	No information available
Boiling point / boiling range	79.6 °C / 175 °F
Flash Point	-7 °C / 19 °F
Method	
Evaporation Rate	No information available
Flammability (solid, gas)	No information available
Flammability limit in air	
Upper flammability limit:	No information available
Lower flammability limit	No information available
Vapour pressure	No information available
Vapour Density	No information available
Specific gravity	1
Solubility(ies)	No information available
Partition coefficient	No information available
Autoignition Temperature	No information available
Decomposition temperature	No information available
Kinematic viscosity	No information available
Dynamic viscosity	No information available
Explosive Properties	No information available
Oxidising Properties	No information available

9.2. Other information

Molecular Weight	No information available
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Section 10: STABILITY AND REACTIVITY

10.1. Reactivity

No information available.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

Hazardous polymerisation

None under normal processing.

Possibility of hazardous reactions

None under normal processing.

10.4. Conditions to avoid

Heat, flames and sparks.

10.5. Incompatible materials

Strong bases. Strong oxidising agents. Copper. Amines.

10.6. Hazardous decomposition productsCarbon monoxide. Carbon dioxide (CO₂).**Section 11: TOXICOLOGICAL INFORMATION****Information on Toxicological Effects****Information on Likely Routes of Exposure**

Eye Contact	Causes serious eye irritation.
Skin contact	May cause an allergic skin reaction. Causes mild skin irritation.
INGESTION	Not applicable.
INHALATION	May cause respiratory irritation. May cause drowsiness or dizziness. HARMFUL IF INHALED. May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Numerical Measures of Toxicity - Product Information

The following values are calculated based on chapter 3.1 of the GHS document

ATEmix (inhalation-dust/mist)	2.80 Mg/l
ATEmix (inhalation-vapour)	21.00 Mg/l

UNKNOWN ACUTE TOXICITY 0% of the mixture consists of ingredient(s) of unknown toxicity.**Numerical Measures of Toxicity - Component Information**

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Hexamethylene diisocyanate homopolymer 28182-81-2	-	-	= 18500 mg/m ³ (Rat) 1 h
Methyl ethyl ketone 78-93-3	= 2483 mg/kg (Rat) = 2737 mg/kg (Rat)	= 5000 mg/kg (Rabbit) = 6480 mg/kg (Rabbit)	= 11700 ppm (Rat) 4 h
Cyclohexane, 5-isocyanato-1-(isocyanatomethyl)- 1,3,3-trimethyl-, homopolymer 53880-05-0	-	-	-
Solvent naphtha, petroleum, light aromatic 64742-95-6	= 8400 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	= 3400 ppm (Rat) 4 h
n-Butyl acetate 123-86-4	= 10768 mg/kg (Rat)	> 17600 mg/kg (Rabbit)	= 390 ppm (Rat) 4 h
1,2,4-Trimethylbenzene 95-63-6	= 3280 mg/kg (Rat)	> 3160 mg/kg (Rabbit)	= 18 g/m ³ (Rat) 4 h
Hexamethylene diisocyanate 822-06-0	= 710 µL/kg (Rat)	= 593 mg/kg (Rabbit)	= 0.06 mg/L (Rat) 4 h

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin Corrosion/Irritation	Causes mild skin irritation
Serious eye damage/eye irritation	Causes serious eye irritation
Skin Sensitisation	May cause an allergic skin reaction
Respiratory Sensitisation	May cause allergy or asthma symptoms or breathing difficulties if inhaled
Germ Cell Mutagenicity	Not applicable

Carcinogenicity	Not applicable
Reproductive toxicity	Not applicable
Specific target organ toxicity (single exposure)	May cause respiratory irritation May cause drowsiness or dizziness
Specific target organ toxicity (repeated exposure)	Not applicable
Aspiration Hazard	Not applicable

Section 12: ECOLOGICAL INFORMATION

Ecotoxicity Harmful to aquatic life with long lasting effects

Environmental Precautions Prevent product from entering drains.

Chemical name	Algae/aquatic plants	Fish	Crustacea
Methyl ethyl ketone 78-93-3		3130 - 3320 mg/L <i>Pimephales promelas</i> 96h LC50	4025 - 6440 mg/L <i>Daphnia magna</i> 48h EC50 = 5091 mg/L <i>Daphnia magna</i> 48h EC50 > 520 mg/L <i>Daphnia magna</i> 48h EC50
Solvent naphtha, petroleum, light aromatic 64742-95-6		= 9.22 mg/L <i>Oncorhynchus mykiss</i> 96h LC50	= 6.14 mg/L <i>Daphnia magna</i> 48h EC50
n-Butyl acetate 123-86-4	= 674.7 mg/L <i>Desmodesmus subspicatus</i> 72 h EC50	= 62 mg/L <i>Leuciscus idus</i> 96h LC50 17 - 19 mg/L <i>Pimephales promelas</i> 96h LC50 = 100 mg/L <i>Lepomis macrochirus</i> 96h LC50	= 72.8 mg/L <i>Daphnia magna</i> 24h EC50
1,2,4-Trimethylbenzene 95-63-6		= 7.72 mg/L <i>Pimephales promelas</i> 96h LC50 7.19 - 8.28 mg/L <i>Pimephales promelas</i> 96h LC50	= 6.14 mg/L <i>Daphnia magna</i> 48h EC50
Hexamethylene diisocyanate 822-06-0		= 26.1 mg/L <i>Brachydanio rerio</i> 96h LC50	

Persistence and Degradability No information available.

Bioaccumulation No information available.

Mobility No information available.

Chemical name	Partition Coefficient (n-octanol/water)
Methyl ethyl ketone 78-93-3	0.3
n-Butyl acetate 123-86-4	1.81
1,2,4-Trimethylbenzene 95-63-6	3.63

Section 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Waste from Residues/Unused Products Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated Packaging Improper disposal or reuse of this container may be dangerous and illegal. Empty containers must be scrapped or reconditioned.

Section 14: TRANSPORT INFORMATION

	IMDG	ADG	IATA
14.1 UN/ID no	UN1263	UN1263	UN1263
14.2 Proper Shipping Name	Paint	Paint	Paint
14.3 Hazard class	3	3	3
14.4 Packing group	II	II	II
14.5 Environmental hazard			
14.6 Special Provisions	163, 367 EmS-No F-E, S-E	163, 367	A3, A72, A192
14.7 Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC CODE			No information available
HAZCHEM Code:	3YE		

The supplier may apply one of the following exceptions: Combustible Liquid (49 CFR 173.150(f)); Consumer Commodity (49 CFR 173.150(c), ICAO/IATA SP A112); Limited Quantity (49 CFR 173.150(b), ICAO Part 3 Chapter 4, IATA 2.7, IMDG Chapter 3.4); Viscous Liquid (49 CFR 173.121(b), IMDG 2.3.2.2, IATA 3.3.3.1.1, ICAO 3.2.2, ADR 2.2.3.1.5); Does Not Sustain Combustion (49 CFR 173.120(a), IATA 3.3.1.3, ICAO 3.1.3, IMDG 2.3.1.3, ADR 2.2.3.1.1 Note 1); or others as allowed under hazardous materials/dangerous goods regulations.

Section 15: REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

National Regulations

Australia

See section 8 for national exposure control parameters

New Zealand

See section 8 for national exposure control parameters

ERMA New Zealand HSNO approval code or group standard

HSR002662: SURFACE COATINGS AND COLOURANTS (FLAMMABLE)

International Inventories

AICS - Australian Inventory of Chemical Substances

All components are listed or exempt from listing

NZIoC - New Zealand Inventory of Chemicals

All components are listed or exempt from listing

15.2. Chemical safety assessment

No information available

Section 16: OTHER INFORMATION

Supplier Address

Valspar Automotive Australia Pty
Limited
Unit 11/8 Kerta Road
Kincumber, NSW 2251
Australia
T: +612 43684054
F: +612 43684215
www.valsparautomotive.com.au

DBNZ Coatings Limited
6 Killarney Lane
Hamilton 3243
New Zealand
T: +64 7847 0944 F: +64 7847 0932
E: info@dbnz.co.nz
www.dbnzcoatings.co.nz

Prepared by Product Stewardship

Revision Date 07-Oct-2020

Revision note Not applicable.

Disclaimer

The information on this Safety Data Sheet (SDS) is based on the present state of our knowledge, current national legislation and guidelines. As the specific conditions of use of the product are outside the supplier's knowledge and control the user is responsible for ensuring that the requirements of relevant legislation are complied with. This SDS should not be construed as any guarantee of the technical performance or suitability for particular applications. UNLESS SUPPLIER AGREES OTHERWISE IN WRITING, SUPPLIER MAKES NO WARRANTIES, EXPRESS OR IMPLIED, AND DISCLAIMS ALL IMPLIED WARRANTIES INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR FREEDOM FROM PATENT INFRINGEMENT. SUPPLIER WILL NOT BE LIABLE FOR ANY SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES.

End of Safety Data Sheet