## Safety Data Sheet

Revision Date 10-Oct-2020 Version 11 Supercedes Date: 18-Feb-2020

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

## 1.1. Product Identifier

Product code 862C60

Product name POLYURETHANE BINDER

#### 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 <a href="mailto:sdshelpdesk@valspareurope.com">sdshelpdesk@valspareurope.com</a>

## 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**

Aspiration toxicity	Category 1
Acute toxicity - Dermal	Category 5
Acute toxicity - Inhalation (Dusts/Mists)	Category 4
Skin Corrosion/Irritation	Category 2
Serious eye damage/eye irritation	Category 2
Reproductive Toxicity	Category 2
Specific target organ toxicity (single exposure)	Category 3
Specific target organ toxicity (repeated exposure)	Category 2
Acute aquatic toxicity	Category 2
Chronic Aquatic Toxicity	Category 3
Flammable liquids	Category 2

## Label elements



Signal word

**DANGER** 

Contains Xylenes (o-, m-, p- isomers), Toluene, Ethylbenzene, Methyl n-amyl ketone

#### **HAZARD STATEMENTS**

Highly flammable liquid and vapour May be harmful in contact with skin HARMFUL IF INHALED CAUSES SKIN IRRITATION

Causes serious eve irritation

Suspected of damaging fertility or the unborn child

May cause respiratory irritation

May cause damage to organs through prolonged or repeated exposure

Toxic to aquatic life

Harmful to aquatic life with long lasting effects

May be fatal if swallowed and enters airways

#### **PREVENTION**

Obtain special instructions before use

Do not handle until all safety precautions have been read and understood

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

Use only outdoors or in a well-ventilated area

Wash face, hands and any exposed skin thoroughly after handling

Wear protective gloves

Wear eye/face protection

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

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

Keep cool

#### **RESPONSE**

IF exposed or concerned: Get medical advice/attention

#### **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 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

## **INGESTION**

IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician

Do NOT induce vomiting

#### **FIRE**

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

## **STORAGE**

Store locked up

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

#### **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-%
Xylenes (o-, m-, p- isomers)	1330-20-7	10 - 25
Methyl n-amyl ketone	110-43-0	5 - 10
Toluene	108-88-3	5 - 10
n-Butyl acetate	123-86-4	5 - 10
Ethylbenzene	100-41-4	3 - 5
Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate	41556-26-7	0.1 - 0.3
Poly(oxy-1,2-ethanediyl), .alpha[3-[3-(2H-benzotriazol-2-yl)-5-(1,1-dimeth ylethyl)-4-hydroxyphenyl]-1-oxopropyl]omegah ydroxy-	104810-48-2	0.1 - 0.3
Poly(oxy-1,2-ethanediyl), .alpha[3-[3-(2H-benzotriazol-2-yl)-5-(1,1-dimeth ylethyl)-4-hydroxyphenyl]-1-oxopropyl]omega[ 3-[3-(2H-benzotriazol-2-yl)-5-(1,1-dimethylethyl)- 4-hydroxyphenyl]-1-oxoprop	104810-47-1	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**

IF exposed or concerned: Get medical advice/attention.

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

#### **INHALATION**

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

#### **INGESTION**

IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Do NOT induce vomiting.

## 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 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. 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. Take up mechanically, placing in appropriate containers for disposal.

## 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

## 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
Xylenes (o-, m-, p- isomers) 1330-20-7	TWA: 80 ppm TWA: 350 mg/m³ STEL: 150 ppm STEL: 655 mg/m³	TWA: 50 ppm TWA: 217 mg/m <sup>3</sup>	STEL: 150 ppm TWA: 100 ppm
Methyl n-amyl ketone 110-43-0	TWA: 50 ppm TWA: 233 mg/m <sup>3</sup>	TWA: 50 ppm TWA: 233 mg/m <sup>3</sup>	TWA: 50 ppm
Toluene 108-88-3	TWA: 50 ppm TWA: 191 mg/m³ STEL: 150 ppm STEL: 574 mg/m³	TWA: 50 ppm TWA: 188 mg/m³ S*	TWA: 20 ppm
n-Butyl acetate 123-86-4	TWA: 150 ppm TWA: 713 mg/m³ STEL: 200 ppm STEL: 950 mg/m³	TWA: 150 ppm TWA: 713 mg/m³ STEL: 200 ppm STEL: 950 mg/m³	STEL: 150 ppm TWA: 50 ppm
Ethylbenzene 100-41-4	TWA: 100 ppm TWA: 434 mg/m³ STEL: 125 ppm STEL: 543 mg/m³	TWA: 100 ppm TWA: 434 mg/m³ STEL: 125 ppm STEL: 543 mg/m³	TWA: 20 ppm

## **Biological Limit Values:.**

Chemical name	Australia	New Zealand
Xylenes (o-, m-, p- isomers)		1.5 g/L urine end of shift Methylhippuric acid
1330-20-7		

## 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.

## 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**

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
PH
No information available
111 °C / 232 °F
Flash Point
111 °C / 25 °F

Method

Evaporation Rate No information available Flammability (solid, gas) No information available

Flammability limit in air

Upper flammability limit:
Lower flammability limit
Vapour pressure
Vapour Density

No information available
No information available
No information available

Specific gravity .98

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

## **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 oxidising agents.

## 10.6. Hazardous decomposition products

Carbon monoxide. Carbon dioxide (CO2). Chlorine gas.

## Section 11: TOXICOLOGICAL INFORMATION

## Information on Toxicological Effects

### Information on Likely Routes of Exposure

**Eye Contact** Causes serious eye irritation.

**Skin contact** CAUSES SKIN IRRITATION. May be harmful in contact with skin.

**INGESTION** May be fatal if swallowed and enters airways.

INHALATION May cause respiratory irritation. HARMFUL IF INHALED.

## Numerical Measures of Toxicity - Product Information

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

ATEmix (oral) 5,117.00 Mg/kg ATEmix (dermal) 4,822.00 Mg/kg ATEmix (inhalation-dust/mist) 4.00 Mg/l ATEmix (inhalation-vapour) 29.00 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
Xylenes (o-, m-, p- isomers) 1330-20-7	= 3500 mg/kg ( Rat )	> 1700 mg/kg (Rabbit)> 4350 mg/kg (Rabbit)	= 5000 ppm (Rat) 4 h = 29.08 mg/L (Rat) 4 h
Methyl n-amyl ketone 110-43-0	= 1600 mg/kg (Rat) = 1670 mg/kg (Rat)	= 12600 μL/kg ( Rabbit ) = 12.6 mL/kg ( Rabbit )	2000 - 4000 ppm (Rat) 6 h
Toluene 108-88-3	= 2600 mg/kg ( Rat )	= 12000 mg/kg ( Rabbit )	= 12.5 mg/L (Rat) 4 h
n-Butyl acetate 123-86-4	= 10768 mg/kg (Rat)	> 17600 mg/kg (Rabbit)	= 390 ppm (Rat) 4 h
Ethylbenzene 100-41-4	= 3500 mg/kg ( Rat )	= 15400 mg/kg ( Rabbit )	= 17.4 mg/L (Rat) 4 h
Bis(1,2,2,6,6-pentamethyl-4-piperidy I) sebacate 41556-26-7	= 2615 mg/kg ( Rat )	-	-
Poly(oxy-1,2-ethanediyl), .alpha[3-[3-(2H-benzotriazol-2-yl)- 5-(1,1-dimethylethyl)-4-hydroxyphen yl]-1-oxopropyl]omegahydroxy- 104810-48-2	-	-	-
Poly(oxy-1,2-ethanediyl), .alpha[3-[3-(2H-benzotriazol-2-yl)- 5-(1,1-dimethylethyl)-4-hydroxyphen yl]-1-oxopropyl]omega[3-[3-(2H-benzotriazol-2-yl)-5-(1,1-dimethylethy l)-4-hydroxyphenyl]-1-oxoprop 104810-47-1		-	-

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

Skin Corrosion/Irritation

CAUSES SKIN IRRITATION

Serious eye damage/eye irritation Skin Sensitisation Respiratory Sensitisation Germ Cell Mutagenicity Carcinogenicity Reproductive toxicity

Specific target organ toxicity (single exposure)
Specific target organ toxicity (repeated exposure)

Xylenes (o-, m-, p- isomers) Kidney, Liver, Nervous System Toluene Nervous System Ethylbenzene Ears Causes serious eye irritation

Not applicable Not applicable Not applicable Not applicable

Suspected of damaging fertility or the unborn child

May cause respiratory irritation

May cause damage to organs through prolonged or repeated

exposure

**Aspiration Hazard** 

May be fatal if swallowed and enters airways

## **Section 12: ECOLOGICAL INFORMATION**

Ecotoxicity Toxic to aquatic organisms Harmful to aquatic life with long lasting effects

**Environmental Precautions** Prevent product from entering drains.

Chemical name	Algae/aquatic plants	Fish	Crustacea
Xylenes (o-, m-, p- isomers) 1330-20-7		> 780 mg/L Cyprinus carpio 96h LC50 = 780 mg/L Cyprinus carpio 96h LC50 23.53 - 29.97 mg/L Pimephales promelas 96h LC50 7.711 - 9.591 mg/L Lepomis macrochirus 96h LC50 = 19 mg/L Lepomis macrochirus 96h LC50 13.1 - 16.5 mg/L Lepomis macrochirus 96h LC50 13.5 - 17.3 mg/L Oncorhynchus mykiss 96h LC50 2.661 - 4.093 mg/L Oncorhynchus mykiss 96h LC50 = 13.4 mg/L Pimephales promelas 96h LC50 30.26 - 40.75 mg/L Poecilia reticulata 96h LC50	= 3.82 mg/L water flea 48h EC50 = 0.6 mg/L Gammarus lacustris 48h LC50
Methyl n-amyl ketone 110-43-0		126 - 137 mg/L Pimephales promelas 96h LC50	
Toluene 108-88-3	= 12.5 mg/L Pseudokirchneriella subcapitata 72 h EC50 > 433 mg/L Pseudokirchneriella subcapitata 96 h EC50	5.89 - 7.81 mg/L Oncorhynchus mykiss 96h LC50 14.1 - 17.16 mg/L Oncorhynchus mykiss 96h LC50 15.22 - 19.05 mg/L Pimephales promelas 96h LC50 11.0 - 15.0 mg/L Lepomis macrochirus 96h LC50 = 54 mg/L Oryzias latipes 96h LC50 = 28.2 mg/L Poecilia reticulata 96h LC50 50.87 - 70.34 mg/L Poecilia reticulata 96h LC50 = 12.6 mg/L Pimephales promelas 96h LC50 = 58 mg/L Oncorhynchus mykiss 96h LC50	
n-Butyl acetate 123-86-4	= 674.7 mg/L Desmodesmus subspicatus 72 h EC50	= 62 mg/L Leuciscus idus 96h LC50 17 - 19 mg/L Pimephales promelas	= 72.8 mg/L Daphnia magna 24h EC50

		96h LC50 = 100 mg/L Lepomis macrochirus 96h LC50	
Ethylbenzene 100-41-4	2.6 - 11.3 mg/L Pseudokirchneriella subcapitata 72 h EC50 = 4.6 mg/L Pseudokirchneriella subcapitata 72 h EC50 > 438 mg/L Pseudokirchneriella subcapitata 96 h EC50 1.7 - 7.6 mg/L Pseudokirchneriella subcapitata 96 h EC50	7.55 - 11 mg/L Pimephales promelas 96h LC50 = 4.2 mg/L Oncorhynchus mykiss 96h LC50 = 32 mg/L Lepomis macrochirus 96h LC50 11.0 - 18.0 mg/L Oncorhynchus mykiss 96h LC50 = 9.6 mg/L Poecilia reticulata 96h LC50 9.1 - 15.6 mg/L Pimephales promelas 96h LC50	1.8 - 2.4 mg/L Daphnia magna 48h EC50
Bis(1,2,2,6,6-pentamethyl-4-piperidy I) sebacate 41556-26-7		= 0.97 mg/L Lepomis macrochirus 96h LC50	= 20 mg/L Daphnia magna 24h EC50

Persistence and DegradabilityNo information available.BioaccumulationNo information available.MobilityNo information available.

Chemical name	Partition Coefficient (n-octanol/water)
Xylenes (o-, m-, p- isomers) 1330-20-7	3.15
Methyl n-amyl ketone 110-43-0	1.98
Toluene 108-88-3	2.7
n-Butyl acetate 123-86-4	1.81
Ethylbenzene 100-41-4	3.2
Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate 41556-26-7	0.37

## **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			

**14.6 Special Provisions** 163, 367 A3, A72, A192 **EmS-No** 

F-E, S-E

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

NZIOC - New Zealand Inventory of Chemicals

All components are listed or exempt from listing

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
6 Killarney Lane
Unit 11/8 Kerta Road
Kincumber, NSW 2251
Australia

DBNZ Coatings Limited
6 Killarney Lane
Hamilton 3243
New Zealand
T: +64 7847 0944 F: +64 7847 0932

T: +612 43684054 E: info@dbnz.co.nz F: +612 43684215 www.dbnzcoatings.co.nz

www.valsparautomotive.com.au

Prepared by Product Stewardship

Revision Date 10-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**