## **SAFETY DATA SHEET**

Revision date 04-Jun-2018 Version 4 Supersedes Date: 27-Sep-2020

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

#### 1.1. Product identifier

Product Code AP33.L01

Product Name AP33 1K HIGH FILL PRIMER 1L

## 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

VALSPAR AUTOMOTIVE AUSTRALIA PTY LIMITED Unit 11/8 Kerta Road, Kincumber NSW 2251 Australia T: +61 2 43684054 E: autoinfo@valspar.com

DBNZ Coatings Limited NZ 6 Killarney Lane, Hamilton 3204 New Zealand T: +64 78470944 E: info@dbnz.co.nz www.dbnz.co.nz

www.valsparautomotive.com.au

## 1.4. Emergency telephone number -

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

## Poison control center phone

<u>number</u>

**Australia** 13 11 26 **New Zealand** 0800 764-766

## **Section 2: HAZARDS IDENTIFICATION**

#### **GHS - Classification**

Aspiration toxicity	Category 1
Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 2
Reproductive toxicity	Category 1B
Specific target organ toxicity (single exposure)	Category 3
Acute aquatic toxicity	Category 2
Flammable liquids	Category 2

#### Label elements



Signal word

**DANGER** 

#### **HAZARD STATEMENTS**

Highly flammable liquid and vapor

Causes skin irritation

Causes serious eye irritation

May damage fertility or the unborn child

May cause drowsiness or dizziness

Toxic to aquatic life

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

Wash face, hands and any exposed skin thoroughly after handling

Wear protective gloves

Wear eye/face protection

Avoid breathing dust/fume/gas/mist/vapors/spray

Use only outdoors or in a well-ventilated area

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 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-%
n-Butyl acetate	123-86-4	5 - 10
Xylenes	1330-20-7	5 - 10
Toluene	108-88-3	5 - 10
Ethyl acetate	141-78-6	5 - 10
Acetone	67-64-1	5 - 10
2-Pentanone, 4-methyl-	108-10-1	5 - 10
Dibutyl phthalate	84-74-2	3 - 5

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.

#### Eve 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 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 physicians 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.

#### 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 vapors 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 labeled 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

#### Advice on safe handling

Prevent the creation of flammable or explosive concentrations of vapor in air and avoid vapor 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. Vapors are heavier than air and may spread along floors. Vapors may form explosive mixtures with air. Use only with adequate ventilation. Do not breathe dust/fume/gas/mist/vapors/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 unauthorized 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
n-Butyl acetate 123-86-4	TWA: 150 ppm TWA: 713 mg/m <sup>3</sup> STEL: 200 ppm STEL: 950 mg/m <sup>3</sup>	TWA: 150 ppm TWA: 713 mg/m <sup>3</sup> STEL: 200 ppm STEL: 950 mg/m <sup>3</sup>	STEL: 150 ppm TWA: 50 ppm
Xylenes 1330-20-7	TWA: 80 ppm TWA: 350 mg/m <sup>3</sup> STEL: 150 ppm STEL: 655 mg/m <sup>3</sup>	TWA: 50 ppm TWA: 217 mg/m <sup>3</sup>	STEL: 150 ppm TWA: 100 ppm
Toluene 108-88-3	TWA: 50 ppm TWA: 191 mg/m <sup>3</sup> STEL: 150 ppm STEL: 574 mg/m <sup>3</sup>	TWA: 50 ppm TWA: 188 mg/m <sup>3</sup> S*	TWA: 20 ppm
Ethyl acetate 141-78-6	TWA: 200 ppm TWA: 720 mg/m <sup>3</sup> STEL: 400 ppm STEL: 1440 mg/m <sup>3</sup>	TWA: 200 ppm TWA: 720 mg/m <sup>3</sup>	TWA: 400 ppm
Acetone 67-64-1	TWA: 500 ppm TWA: 1185 mg/m <sup>3</sup> STEL: 1000 ppm STEL: 2375 mg/m <sup>3</sup>	TWA: 500 ppm TWA: 1185 mg/m <sup>3</sup> STEL: 1000 ppm STEL: 2375 mg/m <sup>3</sup>	STEL: 500 ppm TWA: 250 ppm
2-Pentanone, 4-methyl- 108-10-1	TWA: 50 ppm TWA: 205 mg/m <sup>3</sup> STEL: 75 ppm STEL: 307 mg/m <sup>3</sup>	TWA: 50 ppm TWA: 205 mg/m <sup>3</sup> STEL: 75 ppm STEL: 307 mg/m <sup>3</sup>	STEL: 75 ppm TWA: 20 ppm
Dibutyl phthalate 84-74-2	TWA: 5 mg/m <sup>3</sup>	TWA: 5 mg/m <sup>3</sup>	TWA: 5 mg/m <sup>3</sup>

## **Biological Limit Values:.**

Chemical Name	Australia	New Zealand
Xylenes		1.5 g/L urine end of shift Methylhippuric acid
1330-20-7		
Acetone		50 mg/L urine end of shift Acetone
67-64-1		-
2-Pentanone, 4-methyl-		2 mg/L urine end of shift MIBK
108-10-1		

#### 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

Wear safety glasses with side shields (or goggles).

#### Skin and body protection

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

#### **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

Odor Solvent Color grey

Odor Threshold
PH
No information available
No information available
No information available
No information available
Soiling point / freezing point
Boiling point / boiling range
flash point
No information available

Method

evaporation rate No information available Flammability (solid, gas) No information available

Flammability Limit in Air

Upper flammability limit:
Lower flammability limit:
Vapor Pressure
vapor density

No information available
No information available
No information available

specific gravity 1.133

Solubility(ies) No information available No information available Partition coefficient No information available Autoignition temperature No information available **Decomposition temperature** Kinematic viscosity No information available Dynamic viscosity No information available No information available **Explosive properties** No information available Oxidizing properties

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 polymerization

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 oxidizing agents. Strong reducing agents.

#### 10.6. Hazardous decomposition products

Carbon monoxide. Carbon dioxide (CO2). Nitrogen oxides (NOx). 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.

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

**Inhalation** May cause drowsiness or dizziness.

## Numerical measures of toxicity - Product Information

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

ATEmix (dermal) 14,103.00 Mg/kg
ATEmix (inhalation-dust/mist) 9.60 mg/l
ATEmix (inhalation-vapor) 71.00 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
n-Butyl acetate 123-86-4	= 10768 mg/kg ( Rat )	> 17600 mg/kg ( Rabbit )	= 390 ppm ( Rat ) 4 h
Xylenes 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
Toluene 108-88-3	= 2600 mg/kg ( Rat )	= 12000 mg/kg ( Rabbit )	= 12.5 mg/L(Rat)4 h
Ethyl acetate 141-78-6	= 5620 mg/kg ( Rat )	> 20 mL/kg ( Rabbit ) > 18000 mg/kg ( Rabbit )	-
Acetone 67-64-1	= 5800 mg/kg ( Rat )	> 15700 mg/kg ( Rabbit )	= 50100 mg/m <sup>3</sup> ( Rat ) 8 h
2-Pentanone, 4-methyl- 108-10-1	= 2080 mg/kg ( Rat )	= 3000 mg/kg ( Rabbit )	= 8.2 mg/L ( Rat ) 4 h
Dibutyl phthalate 84-74-2	= 7499 mg/kg ( Rat )	> 20 mL/kg ( Rabbit )	> 15.68 mg/L ( Rat ) 4 h

## 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 Causes serious eye irritation

Skin sensitizationNot applicableRespiratory sensitizationNot applicableGerm cell mutagenicityNot applicableCarcinogenicityNot applicable

Reproductive Toxicity

May damage fertility or the unborn child

Specific target organ toxicity (single exposure)

May cause drowsiness or dizziness

Specific target organ toxicity (repeated exposure) Not applicable

**Xylenes** 

kidney, liver, Nervous System

**Toluene** Nervous System Not applicable

Aspiration hazard Not applicable

## Section 12: ECOLOGICAL INFORMATION

#### **Ecotoxicity**

#### **Environmental precautions** Prevent product from entering drains.

Chemical Name	Algae/aquatic plants	Fish	Crustacea
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 96h LC50	= 72.8 mg/L Daphnia magna 24h EC50
		= 100 mg/L Lepomis macrochirus 96h LC50	
Xylenes 1330-20-7		> 780 mg/L Cyprinus carpio 96h LC50	= 3.82 mg/L water flea 48h EC50 = 0.6 mg/L Gammarus lacustris 48h
		= 780 mg/L Cyprinus carpio 96h LC50	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	
	42 - 4 - 4 - 4 - 4 - 4	reticulata 96h LC50	44.5 # 5 4 4
Toluene 108-88-3	= 12.5 mg/L Pseudokirchneriella subcapitata 72 h EC50	5.89 - 7.81 mg/L Oncorhynchus mykiss 96h LC50	= 11.5 mg/L Daphnia magna 48h EC50
	> 433 mg/L Pseudokirchneriella subcapitata 96 h EC50	14.1 - 17.16 mg/L Oncorhynchus mykiss 96h LC50	5.46 - 9.83 mg/L Daphnia magna 48h EC50
	·	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	
		= 5.8 mg/L Oncorhynchus mykiss 96h LC50	
Ethyl acetate 141-78-6	= 3300 mg/L Desmodesmus subspicatus 48 h EC50	220 - 250 mg/L Pimephales promelas 96h LC50	= 560 mg/L Daphnia magna 48h EC50
		= 484 mg/L Oncorhynchus mykiss 96h LC50	
		352 - 500 mg/L Oncorhynchus mykiss 96h LC50	
Acetone 67-64-1		4.74 - 6.33 mL/L Oncorhynchus mykiss 96h LC50	12600 - 12700 mg/L Daphnia magna 48h EC50
		6210 - 8120 mg/L Pimephales promelas 96h LC50	10294 - 17704 mg/L Daphnia magna 48h EC50
		= 8300 mg/L Lepomis macrochirus 96h LC50	J
2-Pentanone, 4-methyl- 108-10-1	= 400 mg/L Pseudokirchneriella subcapitata 96 h EC50	496 - 514 mg/L Pimephales promelas 96h LC50	= 170 mg/L Daphnia magna 48h EC50
Dibutyl phthalate 84-74-2	= 1.2 mg/L Desmodesmus subspicatus 72 h EC50	0.31 - 5.45 mg/L Pimephales promelas 96h LC50	= 3.4 mg/L Daphnia magna 48h EC50
	= 0.4 mg/L Pseudokirchneriella subcapitata 96 h EC50	0.71 - 1.2 mg/L Pimephales promelas 96h LC50	= 2.99 mg/L Daphnia magna 48h EC50
		> 1.24 mg/L Oncorhynchus mykiss 96h LC50	
		1.24 - 5.3 mg/L Oncorhynchus	
		mykiss 96h LC50 1.38 - 1.74 mg/L Lepomis	
		macrochirus 96h LC50 0.42 - 1.28 mg/L Lepomis	
		macrochirus 96h LC50	

Persistence and degradability No information available. No information available. **Bioaccumulation** No information available. **Mobility** 

Chemical Name	Partition Coefficient (n-octanol/water)
n-Butyl acetate	1.81
123-86-4	
Xylenes	3.15
1330-20-7	
Toluene	2.7

108-88-3	
Ethyl acetate 141-78-6	0.6
Acetone 67-64-1	-0.24
2-Pentanone, 4-methyl- 108-10-1	1.19
Dibutyl phthalate 84-74-2	5.38

## **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** <u>ADG</u> **IATA** UN1993 UN1993 14.1 UN/ID no UN1993

14.2 Proper shipping name Flammable liquid, n.o.s. Flammable liquid, n.o.s. Flammable liquid, n.o.s. n-Butyl acetate n-Butyl acetate n-Butyl acetate Ethyl acetate Ethyl acetate Ethyl acetate

14.3 Hazard Class 3 3 3 14.4 Packing Group Ш Ш Ш 14.5 Environmental hazard

14.6 Special Provisions 274

274 **A3** 

**EmS-No** F-F S-F

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 **DBNZ Coatings Limited** Limited 6 Killarney Lane Unit 11/8 Kerta Road Hamilton 3243 Kincumber, NSW 2251 New Zealand

T: +64 7847 0944 F: +64 7847 0932 Australia

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www.valsparautomotive.com.au

Prepared By Product Stewardship

Revision date 04-Jun-2018

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**