

Conforms to 91/155/EEC - 2001/58/EC - Europe



SAFETY DATA SHEET

POLYPROOF RESIN

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

1. 1

Product name POLYPROOF RESIN

Common/Trade name	Not available.
Chemical product name	phenol-resorcinol-formaldehyde resin
Molecular weight	Not applicable.
Chemical Family	Adhesive.
Code:	APP670
Material Uses:	Adhesive;

1. 2

COMPANY DETAILS

Manufacturer POLYVINE LIMITED
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Prepared by:	Mike Sherman

2. Composition / information on ingredients

Substance/Preparation
Chemical name*

Preparation

Chemical name*	CAS No.	%	EC Number	Classification
Resorcinol	108-46-3	10-30	203-585-2	Xn; R22 Xi; R36/38 N; R50
Ethanol	64-17-5	5-10	200-578-6	F; R11
Phenol	108-95-2	1-5	203-632-7	T; R24/25
Sodium hydroxide	1310-73-2	0.1-1	215-185-5	C; R34 C; R35
See Section 16 for the full text of the R Phrases declared above				

* Occupational Exposure Limit(s), if available, are listed in section 8

3. Hazards identification

The preparation is classified as dangerous according to Directive 1999/45/EC and its amendments.

Classification Xn; R21/22

Xi; R36/38

R21/22- Harmful in contact with skin and if swallowed.

R36/38- Irritating to eyes and skin.

Effects and symptoms

Eye Contact Hazardous in case of eye contact (irritant).

Aggravating conditions Repeated or prolonged exposure is not known to aggravate medical condition

4. First-aid measures

First-Aid measures

Inhalation If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention if symptoms appear.

Ingestion Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt or waistband.

Skin Contact In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention if symptoms appear.

Eye Contact Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Cold water may be used. Get medical attention.

5 Fire-fighting measures.

Extinguishing Media

Suitable In case of fire, use water spray (fog), foam, dry chemical, or CO2.

Hazardous thermal (de)composition carbon oxides (CO, CO₂)
Products

Special fire-fighting procedures Fire fighters should wear positive pressure self-contained breathing apparatus (SCBA) and full turnout gear.

Protection of fire-fighters Be sure to use an approved/certified respirator or equivalent.

6. Accidental release measures

Personal precautions Splash goggles. Boots. Gloves. Overalls buttoned to the neck and wrist.

Environmental Precautions and

Clean-up Methods Stop leak if without risk. Prevent entry into sewers, basements or confined areas. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.

Note: See section 8 for personal protective equipment and section 13 for waste disposal.

7. Handling and storage

Storage Keep container in a cool, well-ventilated area. Keep container tightly closed and sealed until ready for use.

Handling Do not breathe gas/fumes/ vapour/spray. Wear suitable protective clothing, gloves and eye/face protection. If swallowed, seek medical advice immediately and show this container or label.

Packaging materials

Recommended use Use original container.

8. Exposure controls/personal protection

Engineering measures Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapours below their respective occupational exposure limits. Ensure that eyewash stations and safety showers are proximal to the work-station location.

Hygiene measures Wash hands, forearms, and face thoroughly after handling compounds and before eating, smoking,

Ingredient Name Occupational Exposure Limits

Ethanol ACGIH (United States).

TWA: 1000 ppm

TWA: 1000 ppm 8 hour(s).

TWA: 1880 mg/m³ 8 hour(s).

ACGIH TLV (United States, 2000). Notes: 1996 Adoption Refers to Appendix A -- Carcinogens.

TWA: 1880 mg/m³ 8 hour(s).

TWA: 1000 ppm 8 hour(s).

Phenol 2000/39/EC (Europe, 2000). Skin

TWA: 2 ppm 8 hour(s).

TWA: 7,8 mg/m³ 8 hour(s).

80/1107/EEC (Europe, 2000). Skin Notes: Indicative

TWA: 7,8 mg/m³ 8 hour(s).

TWA: 2 ppm 8 hour(s).

Sodium hydroxide ACGIH TLV (United States, 2000).

CEIL: 2 mg/m³

Recommended monitoring procedures

Personal protective equipment

Respiratory system : Vapour respirator. as filter A2 Wear appropriate respirator when ventilation is inadequate.

Skin and body Overalls buttoned to the neck and wrist.

Hands Neoprene gloves. Nitrile gloves. Always check with the manufacturer of the gloves if their quality fulfils the requirements for the chemical composition.

Eyes Safety glasses with side shields.:

9. Physical and chemical properties

Physical state Liquid

Melting Point May start to solidify at -113.84°C (-172.9°F) based on data for: Ethanol.

Boiling Point The lowest known value is 78.4°C (173.1°F) (Ethanol).

Vapour Pressure The highest known value is 0.8 kPa (5.8 mmHg) (at 20°C) (Ethanol).

Density 1.115 g/cm³

Vapour Density The highest known value is 1.6 (Air = 1) (Ethanol).

Solubility Easily soluble in methanol, diethyl ether.

Soluble in hot water.

Partially soluble in cold water.

Odour Threshold The lowest known value is 180 ppm (Ethanol)

Odour Not available.

PH 7.9 to 8.15 (Conc. (% w/w): 100) [Basic.]

Colour Brown. (Dark.)

Evaporation rate (butyl acetate = 1) 1.7 (Ethanol) compared to (n-BUTYL ACETATE=1)

Auto ignition temperature The lowest known value is 398.9°C (750°F) (Ethanol).

Flash point Closed cup: 70°C (158°F).

Viscosity Dynamic: 8000 to 11000 cP

Lower explosion limit The greatest known range is LOWER: 4.3% UPPER: 19% (Ethanol)

Explosive properties Risks of explosion of the product in presence of mechanical impact: Not available.

Risks of explosion of the product in presence of static discharge: Not available.

Oxidizing Properties Not available.

10. Stability and reactivity

Stability The product is stable.

Hazardous Decomposition Products carbon oxides (CO, CO₂)

11. Toxicological information

Acute toxicity

<u>Ingredient Name</u>	<u>Test</u>	<u>Result</u>	<u>Route</u>	<u>Species</u>
Resorcinol	LD50	301 mg/kg	Oral	Rat
	LD50	200 mg/kg	Oral	Mouse
	LD50	3360 mg/kg	Dermal	Guinea pig
ETHANOL	LD50	7060 mg/kg	Oral	Rat
	LD50	6300 mg/kg	Oral	Rabbit
	LD50	3450 mg/kg	Oral	Mouse
	LDLo	1400 mg/kg	Oral	human
	LDLo	5500 mg/kg	Oral	Dog
	LC50	20000 (10 hours)	INHALATION	Rat
PHENOL	LD50	317 mg/kg	Oral	Rat
	LD50	270 mg/kg	Oral	Mouse
	LD50	500 mg/kg	Oral	Mammal
	LD50	630 mg/kg	Dermal	Rabbit
	LD50	669 mg/kg	Dermal	Rat
	LDLo	420 mg/kg	Oral	Rabbit
	LDLo	10 mg/kg	Oral	infant
	LDLo	80 mg/kg	Oral	Cat.
SODIUM HYDROXIDE	LDLo	500 mg/kg	Oral	Rabbit

Local effects

Skin irritation Hazardous in case of skin contact (irritant).

Eye irritation Hazardous in case of eye contact (irritant).

Chronic toxicity Repeated or prolonged exposure is not known to aggravate medical condition.

Specific effects

Carcinogenic Effects Classified None. by NIOSH [Potassium hydroxide]. Classified None. by NIOSH [Ethanol]. Classified A4 (Not classifiable for human or animal.) by ACGIH [Ethanol]. Classified None. by NIOSH [Sodium hydroxide]. Classified None. by NIOSH [Phenol]. Classified A4 (Not classifiable for human or animal.) by ACGIH, 3 (Not classifiable for human.) by IARC [Phenol].

Reproduction toxicity Classified Reproductive system/toxin/female, Reproductive system/toxin/male [PROVEN] [Ethanol].

Developmental and Teratogenic Effects

GENERAL INFORMATION :

The product contains phenol-resorcinol-formaldehyde resin, unreacted phenol and resorcinol. Vapours may be irritating to respiratory tract and eyes. Inhalation may cause nose and throat irritation, coughing, hoarseness, lachrymation, headache and nausea.

The liquid is irritating to skin and may cause burns. Skin contact may cause smarting pain, loss of pain sensation and later wounds. If the adhesive is not removed at once, there is a risk of absorption of phenol and resorcinol through skin, causing i.a systemic effects. Prolonged or repeated contact with adhesive/hardener mixture may cause hardening and cracking of skin and sensitization.

Contact with eyes causes intense pain. Great risk of burns and remaining eye damage.

Ingestion may cause burns with intense pain in mouth and throat, stomach pains, vomiting and systemic effects.

12 Ecological information.

Ecotoxicity Data

Ingredient Name ETHANOL **Species** Trout (LC50) **Period** 96 hours **Result** 14100 mg/l

GENERAL INFORMATION : The product contains resorcinol, which is hazardous to the environment. Very toxic to aquatic organisms.

13. Disposal considerations

Methods of disposal ; Waste of residues ; Contaminated packaging

Type: Hazardous chemical waste.

Location: not available

Classification: not available

Disposal.: Waste must be disposed of in accordance with federal, state and local environmental control regulations.

Storage: not available

Recycling: not available

Instructions for emptying of different packages are available.

Waste Classification Not applicable.

European Waste Catalogue (EWC) : 080409*

Hazardous Waste: The classification of the product may meet the criteria for a hazardous waste

14. Transport information

International transport regulations

Regulatory Information	UN number	Proper shipping name	Class	Packing Group	Label	Additional information
ADR/RID Class	UN2810	Toxic liquid, organic, n.o.s. (Resorcinol, Phenol)	6.1	III		-
ADN Class	UN2810	Toxic liquid, organic, n.o.s. (Resorcinol, Phenol)	6.1	III		-
IMDG Class	UN2810	Toxic liquid, organic, n.o.s. (Resorcinol, Phenol)	6.1	III		Emergency Schedules (EMS) 6.1-02
IATA-DGR Class	UN2810	Toxic liquid, organic, n.o.s. (Resorcinol, Phenol)	6.1	III		-

15. Regulatory information

EU Regulations



Hazard symbol(s)

Harmful

Risk Phrases R21/22- Harmful in contact with skin and if swallowed.
R36/38- Irritating to eyes and skin.

Safety Phrases S23- Do not breathe vapour.
S26- In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S28- After contact with skin, wash immediately with plenty of water.
S51- Use only in well-ventilated areas.

Contains Phenol 203-632-7
Resorcinol 203-585-2

Product Use Classification and labelling have been performed according to EU directives 67/548/EEC, 1999/45/EC including amendments and the intended use.
- Industrial applications.

16. Other information

Full text of R-Phrases with no.

Appearing in Section 2 - Europe

R11- Highly flammable.
R24/25- Toxic in contact with skin and if swallowed.
R21/22- Harmful in contact with skin and if swallowed.
R22- Harmful if swallowed.
R34- Causes burns.
R35- Causes severe burns.
R36/38- Irritating to eyes and skin.

R50- Very toxic to aquatic organisms.

**: Text of classifications appearing in
Section 2 – Europe**

F - Highly flammable

T - Toxic

C - Corrosive

Xn - Harmful

Xi - Irritant

N - Dangerous for the environment.

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any

liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with

caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

Conforms to 91/155/EEC - 2001/58/EC - Europe



SAFETY DATA SHEET

POLYPROOF HARDENER

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

1. 1

Product name POLYPROOF HARDENER

Common/Trade name	Not available.
Chemical product name	phenol-resorcinol-formaldehyde resin
Molecular weight	Not applicable.
Chemical Family	Adhesive.
Code:	APP670
Material Uses:	Adhesive;

1. 2

COMPANY DETAILS

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1. 3

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Prepared by:	Mike Sherman

2. Composition / information on ingredients

Substance/Preparation
Chemical name*

Preparation

Chemical name*	CAS No.	%	EC Number	Classification
Formaldehyde.	50-00-0	30-60	200-001-8	Carc. Cat. 3; R40 T; R23/24/25 C; R34 R43
2,2'-oxybisethanol Methanol	111-46-6 67-56-1	5-10 1-5	203-872-2 200-659-6	Xn; R22 F; R11 T; R23/24/25, 39/23/24/25
See Section 16 for the full text of the R Phrases declared above				

* Occupational Exposure Limit(s), if available, are listed in section 8

3. Hazards identification

The preparation is classified as dangerous according to Directive 1999/45/EC and its amendments.

Classification : Carc. Cat. 3; R40
T; R23/24/25
Xn; R68/20/21/22
C; R34
R43
R40- Limited evidence of a carcinogenic effect.
R23/24/25- Toxic by inhalation, in contact with skin and if swallowed.
R68/20/21/22- Harmful: possible risk of irreversible effects through inhalation, in contact with skin and if swallowed.
R34- Causes burns.
R43- May cause sensitization by skin contact.

Effects and symptoms

Inhalation : May be fatal if inhaled.

Ingestion : May be fatal if swallowed.

Aggravating conditions : Repeated exposure to a highly toxic material may produce general deterioration of health by an accumulation in one or many human organs.

4. First-aid measures

First-Aid measures

Inhalation If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention if symptoms appear.

Ingestion Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt or waistband.

Skin Contact In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention if symptoms appear.

Eye Contact Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention immediately.

5 Fire-fighting measures.

Extinguishing Media

Suitable In case of fire, use water spray (fog), foam, dry chemical, or CO2.

Hazardous thermal (de)composition carbon oxides (CO, CO₂)
Products

Special fire-fighting procedures Fire fighters should wear positive pressure self-contained breathing apparatus (SCBA) and full turnout gear.

Protection of fire-fighters Be sure to use an approved/certified respirator or equivalent.

6. Accidental release measures

- Personal precautions** : Splash goggles. Full suit. Vapor respirator. Boots. Gloves. A self-contained breathing apparatus should be used to avoid inhalation of the product.
- Environmental Precautions and Clean-up Methods** : Keep away from heat. Keep away from sources of ignition. Stop leak if without risk. Do not touch spilled material. Use water spray to reduce vapors. Absorb with an inert material and put the spilled material in an appropriate waste disposal. Prevent entry into sewers, basements or confined areas. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.

7. Handling and storage

- Handling** : Keep locked up. Keep away from heat. Keep away from sources of ignition. Ground all equipment containing material. Do not ingest. Do not breathe gas/fumes/ vapor/spray. Avoid contact with skin. Wear suitable protective clothing. If ingested, seek medical advice immediately and show the container or the label.
- Storage** : Keep container in a cool, well-ventilated area. Keep container tightly closed and sealed until ready for use. Avoid all possible sources of ignition (spark or flame). Store between -30 to 30°C (-22 to 86°F).
- Packaging materials**
- Recommended use** : Use original container.

8. Exposure controls/personal protection

- Engineering measures** : Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective occupational exposure limits. Ensure that eyewash stations and safety showers are proximal to the work-station location.
- Hygiene measures** : Wash hands, forearms, and face thoroughly after handling compounds and before eating, smoking, using lavatory, and at the end of day.

<u>Ingredient Name</u>	<u>Occupational Exposure Limits</u>
Formaldehyde.	ACGIH TLV (United States, 2000). Notes: Substance identified by other sources as a suspected or confirmed human carcinogen. 2000 Adoption. Refers to Appendix A -- Carcinogens. CEIL: 0,37 mg/m ³ CEIL: 0,3 ppm
Methanol	EU OEL (Europe, 1991). Notes: Indicative TWA: 260 mg/m ³ 8 hour(s). TWA: 200 ppm 8 hour(s).

Recommended monitoring procedures :

Personal protective equipment

- Respiratory system** : Vapor respirator. Wear appropriate respirator when ventilation is inadequate. (as filter B)
- Skin and body** : Protective Clothing
- Hands** : Butyl gloves. Neoprene gloves. Nitrile gloves. Always check with the manufacturer of the gloves if their quality fulfils the requirements for the chemical composition.
- Eyes** : Safety glasses with side shields.

9. Physical and chemical properties

Physical state	: Liquid.
Color	: White to yellowish.
Odor	: Strong.
pH	: 5 (Conc. (% w/w): 100) [Acidic.]
Boiling Point	: The lowest known value is 64.55°C (148.2°F) (Methanol). Weighted average: 111.15°C (232.1°F)
Melting Point	: May start to solidify at -7.95°C (17.7°F) based on data for: 2,2'-oxybisethanol. Weighted average: -82.95°C (-117.3°F)
Flash point	: Closed cup: 81°C (177.8°F).
Autoignition temperature	: The lowest known value is 223.9 to 228.9°C (435 to 444°F) (2,2'-oxybisethanol).
Explosive properties	: Risks of explosion of the product in presence of mechanical impact: Not available. Risks of explosion of the product in presence of static discharge: Not available.
Lower explosion limit	: The greatest known range is LOWER: 7% UPPER: 73% (Formaldehyde.)
Oxidizing Properties	: Not available.
Vapor Pressure	: The highest known value is 1.7 kPa (12.9 mmHg) (at 20°C) (Methanol).
Density	: 1.2 g/cm ³ (25°C / 77°F)
Solubility	: Soluble in hot water. Very slightly soluble in cold water.
Viscosity	: Dynamic: 17000 to 24000 cP
Vapor Density	: The highest known value is 3.66 (Air = 1) (2,2'-oxybisethanol). Weighted average: 1.34 (Air = 1)
Evaporation rate (butyl acetate = 1)	: The highest known value is 2.1 (Methanol) Weighted average: 0.89 compared to (n-BUTYL ACETATE=1)

10. Stability and reactivity

Stability The product is stable.

Hazardous Decomposition Products carbon oxides (CO, CO₂)

11. Toxicological information

Acute toxicity

<u>Ingredient Name</u>	<u>Test</u>	<u>Result</u>	<u>Route</u>	<u>Species</u>
formaldehyde	LD50	100 mg/kg	Oral	Rat
	LD50	42 mg/kg	Oral	Mouse
	LD50	260 mg/kg	Oral	Guinea pig
	LDLo	108 mg/kg	Oral	woman
glycol ether	LD50	12565 mg/kg	Oral	Rat
	LD50	4400 mg/kg	Oral	Rabbit
	LD50	3300 mg/kg	Oral	Cat.
	LD50	11890 mg/kg	Dermal	Rabbit
methanol	LD50	5628 mg/kg	Oral	Rat
	LD50	14200 mg/kg	Oral	Rabbit
	LD50	7300 mg/kg	Oral	Mouse
	LD50	15800 mg/kg	Dermal	Rabbit
	LDLo	143 mg/kg	Oral	human
	LDLo	428 mg/kg	Oral	human
	LDLo	6422 mg/kg	Oral	man
	LDLo	393 mg/kg	Dermal	Monkey.

Local effects

Skin irritation	: Hazardous in case of skin contact (corrosive).
Eye irritation	: Hazardous in case of eye contact (corrosive).
Sensitization	: Hazardous in case of skin contact (sensitizer).

Chronic toxicity	: Repeated exposure to a highly toxic material may produce general deterioration of health by an accumulation in one or many human organs.
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Specific effects

Carcinogenic Effects	: Classified + (Proven.) by OSHA [Formaldehyde.]. Classified 3 (Possible for human.) by European Union [Formaldehyde.]. Classified A2 (Suspected for human.) by ACGIH, 2A (Probable for human.) by IARC, 2 (Reasonably Anticipated To Be Human Carcinogens.) by NTP [Formaldehyde.]. Classified None. by NIOSH [Formaldehyde.]. Classified None. by NIOSH [2,2'-oxybisethanol.]. Classified None. by NIOSH [Methanol].
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Developmental and Teratogenic Effects	:
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GENERAL INFORMATION	: Not available.
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12 Ecological information.

Ecotoxicity Data

<u>Ingredient Name</u>	<u>Species</u>	<u>Period</u>	<u>Result</u>
glycol ether	Pimephales promelas (LC50)	96 hours	75200 mg/l
methanol	Daphnia magna (EC50)	48 hours	>10000 mg/l
	Oncorhynchus mykiss (EC50)	48 hours	13200 mg/l
	Lepomis macrochirus (EC50)	48 hours	16000 mg/l
	Pimephales promelas (LC50)	96 hours	>100 mg/l
	Daphnia magna (LC50)	96 hours	>100 mg/l
	Lepomis macrochirus (LC50)	96 hours	15400 mg/l

GENERAL INFORMATION : Not available.

13. Disposal considerations

Methods of disposal ; Waste of residues ; Contaminated packaging

Type: Hazardous chemical waste.

Location: not available

Classification: not available

Disposal.: Waste must be disposed of in accordance with federal, state and local environmental control regulations.

Storage: not available

Recycling: not available

Instructions for emptying of different packages are available.

Waste Classification Not applicable.

European Waste Catalogue (EWC): 080109*

Hazardous Waste: The classification of the product may meet the criteria for a hazardous waste

14. Transport information

International transport regulations

<u>Regulatory Information</u>	<u>UN number</u>	<u>Proper shipping name</u>	<u>Class</u>	<u>Packing Group</u>	<u>Label</u>	<u>Additional information</u>
<u>ADR/RID Class</u>	2209	Formaldehyde solution solution	8	III		<u>Hazard Identification Number</u> 80
<u>ADN Class</u>	2209	FORMALDEHYDE SOLUTION solution	8	III		-
<u>IMDG Class</u>	2209	FORMALDEHYDE SOLUTION solution	8	III		<u>Emergency Schedules (EmS)</u> 8-07
<u>IATA-DGR Class</u>	2209	FORMALDEHYDE SOLUTION solution	8	III		-

15. Regulatory information

EU Regulations

Hazard symbol(s)	: 
	Toxic
Risk Phrases	: R40- Limited evidence of a carcinogenic effect. R23/24/25- Toxic by inhalation, in contact with skin and if swallowed. R68/20/21/22- Harmful: possible risk of irreversible effects through inhalation, in contact with skin and if swallowed. R34- Causes burns. R43- May cause sensitization by skin contact.
Safety Phrases	: S26- In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S36/37/39- Wear suitable protective clothing, gloves and eye/face protection. S45- In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
Contains	: Formaldehyde. 200-001-8 Methanol 200-659-6
Product Use	: Classification and labeling have been performed according to EU directives 67/548/EEC, 1999/45/EC including amendments and the intended use. - Industrial applications.

16. Other information

Full text of R-Phrases with no. appearing in Section 2 - Europe	: R11- Highly flammable. R40- Limited evidence of a carcinogenic effect. R23/24/25- Toxic by inhalation, in contact with skin and if swallowed. R39/23/24/25- Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed. R22- Harmful if swallowed. R68/20/21/22- Harmful: possible risk of irreversible effects through inhalation, in contact with skin and if swallowed. R34- Causes burns. R43- May cause sensitization by skin contact.
Text of classifications appearing in Section 2 - Europe	: F - Highly flammable Carc. Cat.3 - Carcinogen Category 3 T - Toxic C - Corrosive Xn - Harmful

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any

liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with

caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.