| cosi  | HH Risk  | Assessmen                      | t No:                                     |               |           | C10004                 |  |  |
|---|--|--------------------------------|---|---------------|-----------|------------------------|--|--|
| Directorate: Establishment/Section:   |  |                                |   |               |           |                        |  |  |
| COSHH REGISTER/ C   | HEMICAL  |                                | ALL SITES                                 |               |           |                        |  |  |
| Describe the activity   |  |                                |   |               |           | 511                    |  |  |
| or work process.<br>(Include how long and how<br>often this is carried out and<br>the quantity of substance<br>used)  | ADD ANTI FREEZE TO WATER WHEN REQUIRED   |                                |   |               |           |                        |  |  |
| Location of process being carried out?  | WORKSHOP/YARD  |                                |   |               |           |                        |  |  |
| Identify the persons at r   | isk:   | Employees (including trainees) | X Contractors Public (including students) |               |           |                        |  |  |
| Name the substance involved in the process and its manufacturer. (A copy of a current safety data sheet for this substance should be attached to this assessment)  PXLC5 ANTIFREEZE PETROCHEM CARLESS LTD |  |                                |   |               |           |                        |  |  |
| Classification (state the   | category of dang   | ger)                           |   |               |           |                        |  |  |
| Very Tox  | kic .  | X Irri                         | tant                                      | *             |           | Extremely<br>Flammable |  |  |
| Toxic   |  | Sensitising 💩                  |   |               |           | Highly<br>Flammable    |  |  |
| Corrosiv  | e  | Biological                     |   |               | Flammable |                        |  |  |
| X Harmful   | idising  | *                              | X   | Environmental |           |                        |  |  |
| Hazard Type   |  |                                |   |               |           |                        |  |  |
| Gas Vapour Mist Fume X Dust Liquid X Solid Other (State)  Route of Exposure   |  |                                |   |               |           |                        |  |  |
| X X   | Г  | X X                            |   |               |           |                        |  |  |
| Inhalation Skin   | A STATE OF THE PARTY OF THE PAR | es Ingestic                    | on Other                                  | (State        | 2)        |                        |  |  |
|   |  |                                |   | (Stati        | ə) ——     |                        |  |  |
| Workplace Exposure Limits (WELs) please indicate n/a where not applicable  Long-term exposure level (8hrTWA):  Short-term exposure level (15 mins):  474 MG/M3  |  |                                |   |               |           |                        |  |  |
| State the Risks to Healt  | h from Identifie   | ed Hazards                     |   |               |           |                        |  |  |
| MAY CAUSE SENSATI<br>TO EYES  | ON BY SKIN (   | CONTACT, RESPIR                | ROTARY IRRITATI                           | ON, VC        | MITING    | S, IRRITATING          |  |  |
|   |  |                                |   |               |           |                        |  |  |

|   | es: (for example extraction, ven<br>eople and pregnant workers. Ta<br>s employees. |               |          |               |      |  |  |
|---|--|---------------|----------|---------------|------|--|--|
| WELL VENTILATED   |  |               |          |               |      |  |  |
|   |  |               |          |               |      |  |  |
|   |  |               |          |               |      |  |  |
|   |  |               |          |               |      |  |  |
|   |  |               |          |               |      |  |  |
| Is health survei  | llance or monitoring requir  | ed?           |          | Yes           | No X |  |  |
| Personal Protect  | ctive Equipment (state type a  | and standard) |          |               |      |  |  |
| Dust mask   |  |               |          |               |      |  |  |
| Respirator  |  | Goo           | X        | EN166-IF      |      |  |  |
| Gloves  |  | <b>(</b>      | x        | BS SAFETY STD |      |  |  |
| X Footwear  |  | Oth           |          |               |      |  |  |
| First Aid Measu   |  | 10.0          |          |               |      |  |  |
| INHILATION - MOVE TO FRESH AIR, CPR   |  |               |          |               |      |  |  |
| INGESTION - WASH OUT MOUTH, SMALL QUANTITIES OF WATER, DO NOT INDUCE VOMITING                           |  |               |          |               |      |  |  |
| SKIN CONTACT - REMOVE CLOTHES, RINSE WITH WATER,  |  |               |          |               |      |  |  |
| EYE CONTACT - FLUSH WITH PLENTY OF WATER LIFT EYE LIDS, SEEK MEDICAL ATTENTION IF DISCOMFORT CONTINUES. |  |               |          |               |      |  |  |
| Storage   |  |               |          |               |      |  |  |
| IN BUNDED AREA  |  |               |          |               |      |  |  |
| Disposal of Substances & Contaminated Containers  |  |               |          |               |      |  |  |
| Hazardous Waste X Skip Return to Depot Return to Supplier Other X                                       |  |               |          |               |      |  |  |
| (If Other Please State):  |  |               |          |               |      |  |  |
| Is exposure adequately controlled?  |  |               |          |               |      |  |  |
| is exposure au  | equatery controlled?   | Ye            | es X     | No            | ]    |  |  |
| Risk Rating Following Control Measures  |  |               |          |               |      |  |  |
| High  |  | Medium        |          | Low           | Х    |  |  |
| Assessed by:  | S. THOMAS  |               | Date: 05 | 5/03/2015     | 3    |  |  |

Supersedes date 11/02/2014



## SAFETY DATA SHEET PXLC5

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

#### 1.1. Product identifier

**REACH Registration notes** 

This material is a mixture. All components have been registered under REACH by the Manufacturer or

Supplier.

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

Identified uses

Automotive Industry. Coolant applications requiring a low toxicity coolant

### 1.3. Details of the supplier of the safety data sheet

Supplier

Petrochem Carless Limited Head Office - Cedar Court Guildford Road, Fetcham Leatherhead, Surrey

KT22 9RX

+44(0)1372 360000 +44(0)1372 380400

Contact Person

MSDSTeam@h-c-s-group.com

### 1.4. Emergency telephone number

Please contact SHE Department on +44(0) 1255 502372

### **SECTION 2: HAZARDS IDENTIFICATION**

#### 2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

Physical and Chemical Hazards Not classified.

Human health

Repr. 2 - H361d

Environment

Not classified.

Classification (1999/45/EEC)

Not classified

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

### 2.2. Label elements

Label In Accordance With (EC) No. 1272/2008



Signal Word

Warning

**Hazard Statements** 

H361d

Suspected of damaging the unborn child.

**Precautionary Statements** 

P281

Use personal protective equipment as required.

P501

Dispose of contents/container in accordance with local regulations.

Supplementary Precautionary Statements

P201

Obtain special instructions before use.

P202 P282 Do not handle until all safety precautions have been read and understood.

P308+313

Wear cold insulating gloves/face shield/eye protection.

IF exposed or concerned: Get medical advice/attention.

P405

Store locked up.

#### 2.3. Other hazards

Not Classified as PBT/vPvB by current EU criteria.

#### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

#### 3.2. Mixtures

 Mono Propylene Glycol
 85-99%

 CAS-No.: 57-55-6
 EC No.: 200-338-0
 Registration Number: 01-2119456809-23-xxxx

 Classification (EC 1272/2008)
 Classification (67/548/EEC)

 Not classified.
 Not classified.

CAS-No.: 149-57-5 EC No.: 205-743-6 Registration Number: 01-2119488942-23-xxxx

Classification (EC 1272/2008) Classification (67/548/EEC)
Repr. 2 - H361d Repr. Cat. 3;R63

Potassium Hydroxide 0.1-1.0%

CAS-No.: 1310-58-3 EC No.: 215-181-3 Registration Number: 01-2119487136-33-xxxx

Classification (EC 1272/2008) Classification (67/548/EEC)
Met. Corr. 1 - H290 Xn:R22

Met. Corr. 1 - H290 Xn;R22.
Acute Tox. 4 - H302 C;R35.
Skin Corr. 1A - H314

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

REACH Registration notes

This material is a mixture. All components have been registered under REACH by the Manufacturer or Supplier.

### Composition Comments

The potassium hydroxide and 2- ethylhexanoic acid are neutralised in the formulation so that although they are both corrosive materials the final formulation is non-corrosive

#### SECTION 4: FIRST AID MEASURES

### 4.1. Description of first aid measures

### General information

CAUTION! First aid personnel must be aware of own risk during rescue!

Remove affected person from source of contamination.

General first aid, rest, warmth and fresh air.

### Inhalation

Remove victim immediately from source of exposure.

In case of inhalation of spray mist: Move person into fresh air and keep at rest.

When breathing is difficult, properly trained personnel may assist affected person by administering oxygen.

Get medical attention if any discomfort continues.

### Ingestion

Rinse mouth thoroughly.

Do not give victim anything to drink if he is unconscious.

Get medical attention immediately!

#### Skin contact

Remove contaminated clothing.

Wash skin with soap and water.

Get medical attention if any discomfort continues.

#### Eye contact

Promptly wash eyes with plenty of water while lifting the eye lids.

Make sure to remove any contact lenses from the eyes before rinsing.

Continue to rinse for at least 15 minutes.

Get medical attention if any discomfort continues.

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

#### Inhalation

Exposure to high concentrations may cause dizziness, headache, dry / sore throat, coughing Hot vapours may cause lung damage

#### Ingestion

May cause discomfort if swallowed.

#### Skin contact

Prolonged contact may cause redness, irritation and dry skin.

#### Eye contact

May cause temporary eye irritation.

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

Treat Symptomatically.

#### SECTION 5: FIREFIGHTING MEASURES

### 5.1. Extinguishing media

### Extinguishing media

Stop flow of material to fire.

Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog.

#### Unsuitable extinguishing media

Do not use water jet as an extinguisher, as this will spread the fire.

### 5.2. Special hazards arising from the substance or mixture

#### Unusual Fire & Explosion Hazards

Heat may cause the containers to explode.

### Specific hazards

Fire creates:

Carbon dioxide (CO2).

Carbon monoxide (CO).

### 5.3. Advice for firefighters

### Special Fire Fighting Procedures

Avoid breathing fire vapours.

Use water to keep fire exposed containers cool and disperse vapours.

Keep run-off water out of sewers and water sources. Dike for water control.

If possible, fight fire from protected position.

Move container from fire area if it can be done without risk.

Avoid water in straight hose stream; will scatter and spread fire.

### Protective equipment for fire-fighters

Self contained breathing apparatus and full protective clothing must be worn in case of fire.

### SECTION 6: ACCIDENTAL RELEASE MEASURES

### 6.1. Personal precautions, protective equipment and emergency procedures

Wear protective clothing as described in Section 8 of this safety data sheet.

In case of spills, beware of slippery floors and surfaces.

#### 6.2. Environmental precautions

Do not discharge into drains, water courses or onto the ground.

#### 6.3. Methods and material for containment and cleaning up

Stop leak if possible without risk.

Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate.

Wear necessary protective equipment.

Absorb in vermiculite, dry sand or earth and place into containers.

Collect spillage in containers, seal securely and deliver for disposal according to local regulations.

### 6.4. Reference to other sections

Wear protective clothing as described in Section 8 of this safety data sheet. For waste disposal, see section 13.

### SECTION 7: HANDLING AND STORAGE

### 7.1. Precautions for safe handling

Do not use in confined spaces without adequate ventilation and/or respirator.

Eliminate all sources of ignition.

Keep away from heat, sparks and open flame.

Avoid inhalation of vapours.

Avoid acids, moisture, and combustible materials.

Spills can make walking difficult and surfaces slippery. Absorb into granular medium.

### 7.2. Conditions for safe storage, including any incompatibilities

Store in tightly closed original container in a dry, cool and well-ventilated place.

Keep away from heat, sparks and open flame.

Hydrocscopic.

Keep out of direct sunlight

Store in closed original container at temperatures between 0°C and 40°C.

Maximum storage period: 2 years

### 7.3. Specific end use(s)

The identified uses for this product are detailed in Section 1.2.

### SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1. Control parameters

| Name                  | STD<br>WEL | TWA - 8 Hrs |           | STEL - 15 Min |  | Notes |
|-----------------------|------------|-------------|-----------|---------------|--|-------|
| Mono Propylene Glycol |            | 150 ppm     | 474 mg/m3 |               |  |       |
| PXLC5                 | WEL        | 474 No std. |           | mg/m3         |  |       |

WEL = Workplace Exposure Limit.

### Ingredient Comments

WEL = Workplace Exposure Limits

### 2-ETHYLHEXANOIC ACID (CAS: 149-57-5)

| DNEL                 |             |                   |                     |               |
|----------------------|-------------|-------------------|---------------------|---------------|
| Industry             | Dermal      | Long Term         | Systemic Effects    | 12 mg/kg/day  |
| Industry             | Inhalation. | Long Term         | Systemic Effects    | 32 mg/m3      |
| Consumer             | Dermal      | Long Term         | Systemic Effects    | 6 mg/kg/day   |
| Consumer             | Inhalation. | Long Term         | Systemic Effects    | 8 mg/m3       |
| Consumer             | Oral        | Long Term         | Systemic Effects    | 2.5 mg/kg/day |
| PNEC                 |             | 20                | 8                   |               |
| Freshwater           | 0.36        | mg/l              |                     |               |
| Marinewater          | 0.036       | mg/l              |                     |               |
| STP                  | 71.7        | mg/l              |                     |               |
| Sediment             | 6.37        | mg/kg             |                     |               |
| Soil                 | 1.06        | mg/kg             |                     |               |
| Intermittent release | 0.493       | mg/l              |                     |               |
| Sediment (Marinewat  | 0.637       | mg/kg             |                     |               |
|                      |             | Mono Propylene Gl | ycol (CAS: 57-55-6) |               |

Ingredient Comments

WEL = Workplace Exposure Limits

DNEL

Inhalation. Long Term Systemic Effects 168 mg/m3 Industry Industry Inhalation. Long Term Local Effects 10 mg/m3 Consumer Inhalation. Long Term Systemic Effects 50 mg/m3 Consumer Inhalation. Long Term Local Effects 10 mg/m3

PNEC

260 Freshwater mg/l Marinewater 26 mg/l 20000 mg/l Sediment Freshwater 572 mg/kg Sediment Marinewate 57.2 mg/kg Soil mg/kg 50 Intermittent release 183 mg/l

Potassium Hydroxide (CAS: 1310-58-3)

Ingredient Comments

WEL = Workplace Exposure Limits

DNEL

IndustryInhalation.Long TermLocal Effects1 mg/m3ConsumerInhalation.Long TermLocal Effects1 mg/m3

No PNEC available

### 8.2. Exposure controls

### Protective equipment





### Engineering measures

Must not be handled in confined space without sufficient ventilation.

Provide adequate general and local exhaust ventilation.

### Respiratory equipment

If ventilation is insufficient, suitable respiratory protection must be provided.

Chemical respirator with organic vapour cartridge.

#### Hand protection

Chemical resistant gloves required for prolonged or repeated contact.

The most suitable glove must be chosen in consultation with the gloves supplier, who can inform about the breakthrough time of the glove material.

Butyl rubber gloves are recommended.

PVC gloves are recommended.

Nitrile gloves are recommended.

Polyethylene gloves are recommended.

### Eye protection

Wear approved safety goggles.

### Other Protection

Wear suitable protective clothing as protection against splashing or contamination.

#### Hygiene measures

Wash hands at the end of each work shift and before eating, smoking and using the toilet.

Wash promptly with soap & water if skin becomes contaminated. DO NOT SMOKE IN WORK AREA!

### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1. Information on basic physical and chemical properties

Appearance

Liquid Viscous

Colour

Colourless.

Odour

Odourless.

Solubility

Soluble in water.

Initial boiling point and boiling

155 - 199°C 760 mm Hg

range (°C)

Melting point (°C)

<-60°C

Relative density

1.050 @ 25°C

Vapour density (air=1)

2.6

Vapour pressure

<0.1 mmHg @ 21°C

Viscosity

46 mPas @ 25°C

Solubility Value (G/100G

100

H2O@20°C)

Flash point (°C)

103°C CC (Closed cup).

Auto Ignition Temperature (°C) Flammability Limit - Lower(%)

371°C 2.4

Flammability Limit - Upper(%) **Partition Coefficient** 

17.4 -1.07

(N-Octanol/Water) Method: OECD TG 107

Comments

Information given concerns the major ingredient.

### 9.2. Other information

#### SECTION 10: STABILITY AND REACTIVITY

### 10.1. Reactivity

There are no known reactivity hazards associated with this product.

### 10.2. Chemical stability

No particular stability concerns. The substance is hygroscopic and will absorb water by contact with the moisture in the air.

### 10.3. Possibility of hazardous reactions

### Hazardous Polymerisation

Will not polymerise.

### 10.4. Conditions to avoid

Avoid exposure to high temperatures or direct sunlight.

### 10.5. Incompatible materials

#### Materials To Avoid

Strong oxidising substances. Strong acids. Strong alkalis.

### 10.6. Hazardous decomposition products

Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

### SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1. Information on toxicological effects

#### Toxicological information

Toxicological information on major component only.

### Acute toxicity:

#### Acute Toxicity (Oral LD50)

22000 mg/kg Rat

Low acute toxicity by the oral route OECD 401

### Acute Toxicity (Dermal LD50)

> 2000 mg/kg Rabbit

Low acute toxicity by the dermal route OECD 402

#### Acute Toxicity (Inhalation LC50)

317042 mg/l (vapours) Rabbit

Low acute toxicity by the inhalation route OECD 403 2 hours

#### Skin Corrosion/Irritation:

**OECD 404** 

Not irritating.

Clinical human dermal patch study

Slightly irritating.

### Serious eye damage/irritation:

Not Irritating. OECD 405

#### Respiratory or skin sensitisation:

Respiratory sensitisation

Not relevant

Skin sensitisation

Local Lymph Node Assay (LLNA) Mouse

Not Sensitising.

### Germ cell mutagenicity:

### Genotoxicity - In Vitro

Chromosome aberration:

OECD Guideline 475

Negative.

This substance has no evidence of mutagenic properties.

### Genotoxicity - In Vivo

**Bacterial Reverse Mutation Test** 

Method equivalent or similar to OECD 471

Negative.

This substance has no evidence of mutagenic properties.

### Carcinogenicity:

#### Carcinogenicity

NOAEL 1700 mg/kg Oral Rat

This substance has no evidence of carcinogenic properties.

#### Reproductive Toxicity:

### Reproductive Toxicity - Fertility

Two-generation study: NOAEL 10100 mg/kg/day Mouse

Method OECD 416

This substance has no evidence of toxicity to reproduction.

#### Reproductive Toxicity - Development

Developmental toxicity: NOAEL 10400 mg/kg/day Mouse

Method OECD 414

A component in the mixture is classified as reprotoxic for development - under the CLP regulations, the mixture also requires classification due to the amount present in the mixture

### Specific target organ toxicity - repeated exposure:

STOT - Repeated exposure

NOAEL 1700 mg/kg Oral Rat

### Inhalation

Upper respiratory irritation.

#### Skin contact

Prolonged contact may cause dryness of the skin. May cause defatting of the skin, but is not an irritant. Not a skin sensitiser.

#### Eye contact

May cause temporary eye irritation.

#### **Target Organs**

Skin

#### **Medical Considerations**

Pre-existing eye problems.

### SECTION 12: ECOLOGICAL INFORMATION

#### **Ecotoxicity**

Not regarded as dangerous for the environment. Ecotoxicological data on main component only

### 12.1. Toxicity

#### Acute Toxicity - Fish

LC50 96 hours 40613 mg/l Onchorhynchus mykiss (Rainbow trout)

### Acute Toxicity - Aquatic Invertebrates

EC50 48 hours 18340 mg/l Freshwater invertebrates

Species: Ceriodaphnia Dubia (water flea) Method: EPA 600/4-90-027

#### Acute Toxicity - Aquatic Plants

EC50 96 hours 19000 mg/l Selenastrum capricornutum

**OECD 201** 

EC50 96 hours 19100 mg/l

Skeletonema costatum

#### Acute Toxicity - Microorganisms

NOEC > 20000 mg/l

Pseudomonas putida, 18 hr

### Chronic Toxicity - Fish Early life Stage

2500 mg/l Freshwater fish

30 days

### Chronic Toxicity - Aquatic Invertebrates

NOEC 13020 mg/l

Ceriodaphnia (water flea), static renewal, 7d Method: EPA 600/4-89/001

#### 12.2. Persistence and degradability

### Degradability

The product is easily biodegradable. The product has proven to be degradable under anaerobic conditions.

### Phototransformation

Air. DT50 0.83 days

Method: AOPWIN v1.92

### Biodegradation

Water Degradation (81%) 28 days

Test - 301F Ready Biodegradability - Manometric Respiratory Test

Water Degradation (96%) 64 days

### 12.3. Bioaccumulative potential

### Bioaccumulative potential

Not expected to bioaccumulate

Bioaccumulation factor

BCF ~ 0.09

Partition coefficient

-1.07

Method: OECD TG 107

### 12.4. Mobility in soil

### Mobility:

The product is soluble in water.

#### Henry's Law Constant

0.000000012 atm m3/mol

#### Surface tension

71.6 mN/m

#### 12.5. Results of PBT and vPvB assessment

Not Classified as PBT/vPvB by current EU criteria.

### 12.6. Other adverse effects

None known.

### SECTION 13: DISPOSAL CONSIDERATIONS

#### General information

When handling waste, consideration should be made to the safety precautions applying to handling of the product.

Waste is suitable for incineration.

### 13.1. Waste treatment methods

This material must be disposed of via an Authorised Waste/Disposal Company in accordance with Local and or National Waste Disposal Regulations.

#### Waste Class

The user must be aware that the waste category of this product may be affected by the conditions of use. Please refer to Directive 2001/118/EC for waste nomenclature.

#### SECTION 14: TRANSPORT INFORMATION

General

The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID).

#### 14.1. UN number

Not applicable.

#### 14.2. UN proper shipping name

### 14.3. Transport hazard class(es)

ADR/RID/ADN Class

Not classified for transportation.

#### 14.4. Packing group

ADR/RID/ADN Packing group

None

### 14.5. Environmental hazards

Environmentally Hazardous Substance/Marine Pollutant

No.

### 14.6. Special precautions for user

**EMS** 

None

Hazard No. (ADR)

Not relevant

### 14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

### SECTION 15: REGULATORY INFORMATION

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

### **Uk Regulatory References**

The Control of Substances Hazardous to Health Regulations 2002 (S.I 2002 No. 2677) with amendments.

Health and Safety at Work Act 1974.

#### Statutory Instruments

Control of Substances Hazardous to Health.

### **Guidance Notes**

Workplace Exposure Limits EH40.

#### **EU** Legislation

Dangerous Substance Directive 67/548/EEC.

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments. Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 with amendments.

### 15.2. Chemical Safety Assessment

No chemical safety assessment has been carried out. This substance does not meet the criteria for human health or environmental classification. In addition, this substance does not meet PBT/vPvB criteria. Therefore no exposure scenarios are required.

#### SECTION 16: OTHER INFORMATION

#### **Revision Comments**

Classification in line with CLP End uses updated

Issued By

PCL Technical Team

**Revision Date** 

17/02/2014

Revision

Supersedes date

11/02/2014

SDS No.

11356

Safety Data Sheet Status

Approved.

28/11/2008

Risk Phrases In Full

R35

Causes severe burns.

R22

Harmful if swallowed.

NC

Not classified.

R63

Possible risk of harm to the unborn child.

### Hazard Statements In Full

H290

May be corrosive to metals.

H302

Harmful if swallowed.

H314 H361d Causes severe skin burns and eye damage.

Suspected of damaging the unborn child.

### Disclaimer

This 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. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.