

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION

Product Information

Trade name : CONSEAL LSC,LS AND P, RESIN COMPONENT
Company : Reactive Resins
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2. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical nature

Solvent containing epoxy resin preparation

Hazardous components

| Chemical Name | CAS-No. | Symbol(s) | R-phase(s) | Concentration (%) |
|-----------------------------|-------------|-----------|------------------------|-------------------|
| Bisphenol A epoxy resin | | | | |
| Number average MW > 700 | 25068-38-6 | Xi, N | R36/38-43-51/53 | >20.00 - <50.00 |
| Bisphenol F – epoxy resins, | | | | |
| number average MW > 700 | 28064-14-4- | Xi, N | R36/38-43-51/53 | >5.00 - <20.00 |
| Hexanedioldiglycidylether | 16096-31-4 | Xi | R 36/38-43-52/53 | >2.00 - <10.00 |
| Methyl Isobutyl Ketone | 108-10-1 | Xn | R11, R20, R36/R37, R66 | >1.00 - <5.00 |
| Methoxy-2-Propanol | 107-98-2 | | R10 | >1.00 - <5.00 |
| Xylene | 1330-20-7 | Xn | R10, R20/R21, R38 | >1.00 - <5.00 |

3. HAZARDS IDENTIFICATION

Flammable.
Harmful by inhalation and in contact with skin.
Irritating to skin.

4. FIRST AID MEASURES

Inhalation : Move to fresh air.
If symptoms persist, call a physician.

Eye contact : Rinse immediately with plenty of water for at least 15 minutes.
If eye irritation persists, consult a specialist.

Skin contact : Clean with detergents. Avoid solvents.

Ingestion : Immediately give plenty of water (is possible charcoal slurry).
If a person vomits when lying on his back, place him in the recovery position.
Oxygen or artificial respiration if needed.
Do not induce vomiting.

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5. FIRE-FIGHTING MEASURES

| | | |
|---|---|--|
| Suitable extinguishing media | : | Carbon dioxide (CO ₂). Foam. Dry powder. Sand |
| Extinguishing media which must not be used for safety reasons | : | High volume water jet. |
| Special protective equipment for fire-fighters | : | Wear self-contained breathing apparatus and protective suit |
| Further information | : | Burning produces obnoxious and toxic fumes. Carbon oxides. |

6. ACCIDENTAL RELEASE MEASURES

| | | |
|---------------------------|---|---|
| Personal precautions | : | Keep away from sources of ignition – No smoking. Avoid contact with skin, eyes and clothing. Do not breathe vapours/dust. |
| Environmental precautions | : | Prevent product from entering drains. Do not contaminate surface water. Avoid subsoil penetration. |
| Methods for cleaning up | : | Soak up with inert absorbent material and dispose of as hazardous waste. |

7. HANDLING AND STORAGE

Handling

| | | |
|-------------------------|---|--|
| Advice on safe handling | : | Provide sufficient air exchange and/or exhaust in work rooms. Remove all sources of ignition. Ensure adequate ventilation. Handle and open container with care. |
|-------------------------|---|--|

Storage

| | | |
|---|---|---|
| Further information on storage conditions | : | Keep away from food, drink and animal feeding stuffs. Keep container tightly closed. Store at room temperature in the original container. |
|---|---|---|

| | | |
|----------------------|---|------------------------------------|
| Storage hazard class | : | Storage class 3, Flammable Liquids |
|----------------------|---|------------------------------------|

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8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

| Components | CAS-No. | STEL ppm | OEL |
|------------------------|-----------|----------|-----|
| Methyl isobutyl ketone | 108-10-1 | 100 | 50 |
| Xylene | 1330-20-7 | 100 | 50 |
| Methyl Proxitol | 107-98-2 | 150 | 100 |

Engineering measures

Avoid formation of aerosol.

Provide appropriate exhaust ventilation at machinery and at places where dust can be generated.

Personal protective equipment

| | | |
|--------------------------|---|---|
| Eye protection | : | Tightly fitting safety goggles. Face-shield. |
| Hand protection | : | Rubber or plastic gloves. |
| Skin and body protection | : | Protective suit. Safety shoes. |
| Protective measures | : | Keep away from sources of ignition – No smoking. Avoid contact with skin, eyes and clothing. |

9. PHYSICAL AND CHEMICAL PROPERTIES

| | | |
|------------------------|---|--|
| Form | : | liquid |
| Colour | : | pigmented |
| Odour | : | solvent |
| Boiling point | : | approx. 140°C |
| Thermal decomposition | : | > 200°C |
| Flash point | : | 26°C Method : DIN51755 (Abel-Pensky Closed Cup) |
| Vapour pressure | : | 800 Pa at 20°C |
| Density | : | approx. 1.1 g/cm ³ at 25°C |
| Water solubility | : | at 20°C Note : practically insoluble |
| Miscibility with water | : | immiscible |

10. STABILITY AND REACTIVITY

| | | |
|----------------------------------|---|--|
| Conditions to avoid | : | Note: Take necessary action to avoid static electricity discharge. |
| Materials to avoid | : | Strong acids and strong bases. Strong oxidizing agents. |
| Hazardous decomposition products | : | Carbon oxides. Burning produces obnoxious and toxic fumes. |

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11. TOXICOLOGICAL INFORMATION

| | | |
|---------------------|---|---|
| Acute oral toxicity | : | LD50 rat Dose: >5,000 mg/kg |
| Eye irritation | : | irritating rabbit Method : estimated |
| Skin irritation | : | irritating rabbit Method : estimated |
| Sensitization | : | dermal Causes sensitization guinea pig Method:Maximisation Test (GPMT) dermal |

12. ECOLOGICAL INFORMATION

Ecotoxicity effects

Further information on ecology

| | |
|-------------------------------------|--|
| Additional ecological information : | Avoid subsoil penetration. Prevent product from entering drains. Do not contaminate surface water. |
|-------------------------------------|--|

13. DISPOSAL CONSIDERATIONS

| | | |
|-----------|---|--|
| Container | : | Empty containers can be landfilled after cleaning, when in compliance with the Environmental Protection (Duty of Care) Regulations 1991. |
| Product | : | Waste Key Number: 070208 |

14. TRANSPORT INFORMATION

Land Transport

ADR:

| | | |
|----------------------|---|---------------------------|
| UN-No. | : | 1866 |
| Class | : | 3 |
| Item | : | F1 |
| Risk No. | : | 30 |
| ADR/RID-Labels | : | 3 |
| Proper Shipping Name | : | RESIN SOLUTION, FLAMMABLE |

RID:

| | | |
|----------------------|---|---------------------------|
| UN-No. | : | 1866 |
| Class | : | 3 |
| Item | : | F1 |
| Risk No. | : | 30 |
| ADR/RID-Labels | : | 3 |
| Proper Shipping Name | : | RESIN SOLUTION, FLAMMABLE |

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Sea Transport

IMDG:

| | | |
|----------------------|---|---------------------------|
| UN-No. | : | 1866 |
| Class | : | 3 |
| Packaging Group | : | III |
| ADR/RID-Labels | : | 3 |
| MFAG | : | |
| EmS | : | F-E-S-E |
| Proper Shipping Name | : | RESIN SOLUTION, FLAMMABLE |

Air Transport

IATA-DGR:

| | | |
|--------------------------------------|---|---------------------------|
| UN-No. | : | UN 1866 |
| Class | : | 3 |
| Packaging Group | : | III |
| Packing Instruction (cargo aircraft) | : | 310 |
| ADR/RID-Labels | : | 3 |
| Proper Shipping Name | : | RESIN SOLUTION, FLAMMABLE |

15. REGULATORY INFORMATION

Labelling according to EEC Directive

Labelling required

| | | | |
|-------------|---|--------|---|
| Symbol(s) | : | Xn | Harmful |
| R-phrase(s) | : | R10 | Flammable |
| | | R20/21 | Harmful by inhalation and in contact with skin |
| | | R43 | May cause sensitization by skin contact |
| | | R36/38 | Irritating to eyes and skin |
| S-phrase(s) | : | S28 | After contact with skin, wash immediately with plenty of soap and water |
| | | S37/39 | Wear suitable gloves and eye/face protection |

Hazardous components which must be listed on the label

bisphenol A- epoxy resins, number average MW >700 – <1100

bisphenol F- epoxy resins, number average MW >700 – <1100

methyl isobutyl ketone

xylene

16. OTHER INFORMATION

The provision of Safety Data Sheets comes under regulation 6 of CHIP (CHIP is the recognised abbreviation for the Chemicals Hazard Information and Packaging regulations). This is an addition to the Health & Safety at Work Act 1974.

Users of products supplied by Reactive Resins should take appropriate measures to ensure working practices are in accordance with the Control of Substances Hazardous to Health Regulations (COSHH)

All information is based on results gained from experience and tests and is believed to be accurate but is given without acceptance of liability for loss or damage attributable to reliance thereon as conditions of use lie outside our control. Users should always carry out sufficient tests to establish the suitability of any products for their intended applications. No statements shall be incorporated in any contract unless expressly agreed in writing nor construed as recommending the use of any product in conflict of any patent. All goods are supplied subject to Reactive Resins General Conditions of Sale.