



Safety Data Sheet

according to 91/155/EWG

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Acrylic-120T

1. Chemical Product & Company Identification

Product Data	
- Trade name	Impregnant Acrylic -120T
- Article No	-
- Composition No	-
- Use of substance/Preparation	Impregnant for sealing of porous metal castings
- Manufacturer's name/Supplier	X-Seal Limited PO Box 357 Lymington Hampshire SO41 8WF UK
- Telephone	+44(0)1590675751
- Emergency	+44(0)7777607126
- Internet	http://www.x-seal.co.uk

2. Composition / Information on Ingredients

- Chemical Name	Mixture of mono & tri-functional acrylic Monomers.
- Dangerous ingredients	Methacrylic esters
- CAS-No	not applicable.
- Identification number	not applicable.
- EINECS-No	not applicable.

3. Hazard Identification

- For humans (Supplementary data see section 11)	Irritation to eyes and skin. Extended contact may cause skin irritation Sensitization is possible.
- For environment	not Known.
- For materials	not known.

4. First Aid Measures

- General Reference	Avoid contact
- After inhalation	Take person out of contaminated area. Remove person to fresh air.
- After skin contact	Take off all contaminated clothing. Wash with soap & water and rinse immediately.
- After eye contact	Rinse immediately with copious quantities of water and seek medical attention.
- After ingestion	Drink lots of water. Do not induce vomiting, seek immediate medical attention.
- Indications for doctor	none
- Special equipment for first aid	none

5. Fire Fighting Measures

- Extinguishing media	suitable not suitable	water, carbon dioxide, foam, powder. water jet.
- Special Protective equipment		Wear individual breathing apparatus. Wear suitable protective clothing, gloves and eye/face protection

5. Fire Fighting Measures continued

- **Dangerous combustion products** Carbon dioxide, carbon monoxide, methacrylic acid, acrylic acid.
- **Further Indications** In case of fire and/or explosion do not breathe fumes. Cool container with spray water to avoid polymerisation. Eliminate hot spots.

6. Accidental Release Measures

- **Personal precautions** Avoid contact. Wear protective equipment (section8).
- **Environmental precautions** Do NOT discharge in drains and sewers. Do not allow this product to enter the environment. Inform authorities if major spillage occurs.
- **Cleaning Methods** Absorbing spillage with sand, earth or vermiculite. Collect the product in a container pending future destruction. Spray recovered area with water.
- **Further Indications** Not known.

7. Handling and Storage

- **Handling** Avoid contact with skin and eyes. When in use, do not drink, eat or smoke.
- **Protection of fire and explosion** No special handling required.
- **Storage** Storage recommendations:
un-catalysed material: < 35°C
catalysed material: < 25°C
- **Recommendations for storage** For extended storage loosen bungs to allow air in - inhibitors require presence of oxygen for stability. Do not overfill containers (max volume 90%). where possible keep in the original containers. Avoid direct sunlight, UV radiation.
- **Avoid Incompatible Materials** Keep container away from oxidizing agents, acids and alkalines.
- **Storage Class** 11 (VCI-Concept)

8. Exposure Controls/ Personal Protection

- **Process material application** Good ventilation. Provide protection equipment in accordance with point 'Protective Equipment' (5)
- **Protective equipment (General preventive and hygiene measures)** Avoid contact with skin and eyes. Take off all contaminated clothing. When using, do not drink, eat or smoke. Wash hands before breaks and immediately after handling the product.
- **Inhalation protection** Local ventilation is recommended.
- **Skin and hand protection** Do not use natural rubber gloves. Wear Nitrile gloves (thickness >0.5 mm). Replace gloves immediately when torn or any change in appearance (dimension, colour, flexibility, etc) is noticed.
- **Eye protection** Wear a face-shield or chemical goggles.
- **Body protection** Wear protective clothing.

9. Physical & Chemical Properties

- | | |
|------------------------|--------------------------------|
| - Appearance | Liquid |
| - Colour | straw |
| - Odour | mild ester-like |
| - Boiling point | 240°C at 1013 mbar |
| - Freezing point | -35°C |
| - Vapour pressure | 0.1mbar @ 20°C 1,3 mbar @ 66°C |
| - Ignition temperature | >200°C |
| - Density | 1.020 g/ml @ 20°C |
| - Viscosity | 20°C No 1 Zahn 27-31 sec |
| - Solubility in water | limited |
| - Explosion | unlikely |
| - Flash point | 104°C Din 51758 |

10. Stability and Reactivity

- | | |
|---------------------------|--|
| - Stability | Stable under normal storage conditions |
| - Conditions to avoid | Direct UV/sunlight, elevated heat, no oxygen, |
| - Dangerous reactions | oxidizing agents - peroxides, free radical initiators |
| - Hazardous decomposition | Thermal decomposition - acid fumes, carbon monoxide, toxic substances. |

11. Toxicological Information

- | | |
|-----------------------|---------------------------|
| - Acute Toxicity data | |
| - Inhalation | unavailable |
| - Ingestion | unavailable |
| - Skin contact | unavailable |
| - Caustic effect | Irritation to eyes & skin |
| - Sensitization | skin contact possible |
| - Carcinogenic | unavailable |
| - Mutagenic | unavailable |
| - Teratogenic | unavailable |
| - Narcotic effect | unavailable |

12. Ecological Information

- | | |
|-------------------------------|------------------|
| - Biological degradation | unavailable |
| - Toxicity to aquatic life | Low |
| - Waste water plant treatment | Fast de-gradable |


13. Disposal

- | | |
|---------------------------|--|
| - Spent Liquid Product | |
| - EWC-Code | 20 01 27 |
| - Name | Paints, Printing -colours, Glue & Plastics |
| - Disposal recommendation | Special waste eliminated by incineration |
| - Empty drums & Packaging | Dispose locally |
| - Polymerised Product | |
| - EWC-Code | 17 02 03 |
| - Name | Plastics |
| - Disposal | Normal waste |

14. Transport Information

- | | |
|---------------------|----------------|
| - Land Transport | not classified |
| - Inland navigation | not classified |
| - Ocean traffic | not classified |
| - Air freight | not classified |

15. Regulatory Information

- | | |
|--|--|
| - Classified according to EEC directives | The product is classified as an irritant by EEC regulations of dangerous goods |
| - Letter of classification | 
Xi irritant |
| - R-Sentences | R36/38 - Irritation to eyes and skin
R43 - Sensitization is possible. |
| - S-Sentences | S2 - Keep out of reach of children.
S24/25 - Avoid contact with skin & eyes.
S26 - In case of contact with eyes rinse immediately with copious quantities of water and seek medical attention.
S37/39 - Wear suitable gloves & eye/face protection.
S46 - If swallowed seek medical attention immediately & show the container or label. |
| - National regulations | |
| - VbF | not applicable |
| - Air pollution regulations | not classified |
| - TA-Air | |
| - Class; No; Amount m% | Class 11; 5.2.5; >75 |
| - Water pollution class | not listed, 1 appreciated |

15. Other Information

The above information is believed to be correct but does not propose to be all inclusive and shall only be used as a guide. X-Seal shall not be held liable for any damage resulting from the handling or from contact with the above material.

