

MATERIAL SAFETY DATA SHEET

According to NOHSC: 2011 (2003) and HSNO CoP 8-1 (September 2006)

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product name: MASTERSEAL 1120

Other name: None allocated

Recommended use: Clear non-yellowing acrylic sealer for concrete.

Supplier: BASF Construction Chemicals Australia Pty Ltd. ABN 46 000 450 288
BASF Construction Chemicals New Zealand Ltd.

Address: 11 Stanton Road, Seven Hills, NSW, 2147 Australia
45 William Pickering Drive, Albany, Auckland, New Zealand

Telephone number: +61 2 8811 4200 +64 9 414 7233

Facsimile: +61 2 8811 3299 +64 9 414 7244

Emergency telephone number: 0417 658 263

2. HAZARDS IDENTIFICATION

Hazard classification: HAZARDOUS SUBSTANCE. DANGEROUS GOODS
Dangerous goods for transport according to the ADG code
Hazardous according to the criteria in the Hazardous Substances (Minimum Degrees of Hazard) Regulations 2001 and NOHSC.

Hazard Designation: Xi: Irritant
Xn: Harmful
Flammable

HSNO Classification

6.1C	Acutely toxic
6.1E	Acutely toxic

Risk phrase(s): R 10 Flammable
R 20 Harmful by inhalation.
R 37 Irritating to respiratory system

Safety phrase(s): S16 Keep away from sources of ignition
S23 Do not breathe gas/fumes/vapour/spray.
S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.
S43 In case of fire use sand, earth, chemical powder or foam.
S51 Use only in well ventilated areas.

3. COMPOSITION / INFORMATION ON INGREDIENTS

<u>Chemical Name</u>	<u>CAS Number</u>	<u>Proportion</u>
Xylene	1330-20-7	30 - 60%
Aromatic hydrocarbon	64742-95-6	30 - 60%
4-Hydroxy-4-methylpentanone-2	123-42-2	< 10%
Non hazardous material		to 100%

4. FIRST AID MEASURES

Inhalation: Use in well ventilated areas. If inhalation does occur, remove victim from exposure. If difficulty with breathing, administer oxygen. If breathing has stopped administer artificial respiration. Seek medical attention.

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<u>Eyes:</u>	While holding eyes open, gently flood with plenty of fresh water for 15 minutes. Seek medical attention. Skilled personnel should only undertake removal of contact lenses after an eye injury.
<u>Skin:</u>	Remove contaminated clothing. Remove excess from skin mechanically. Wash contacted areas thoroughly with soap and water. If irritation develops seek medical attention. Wash contaminated clothing before re-use.
<u>Ingestion:</u>	Not a normal route of injury. Do not induce vomiting; give large quantities of water; get immediate medical attention. If vomiting occurs spontaneously, keep head below hips to prevent aspiration of liquids into lungs. Do NOT give anything by mouth to an unconscious person.

5. FIRE FIGHTING MEASURES

<u>Suitable extinguishing media:</u>	Foam, carbon dioxide (CO ₂) and dry chemical.
<u>Hazards from combustion products:</u>	Foam, carbon dioxide (CO ₂) and dry chemical.
<u>Precautions/equipment for fire fighters:</u>	Containers can build up pressure if exposed to heat (fire). Wear full protective clothing (as per Personal Protection, section 8).
<u>Hazchem code:</u>	3Y

6. ACCIDENTAL RELEASE MEASURES

<u>Methods and materials for containment and clean up:</u>	Spills should be contained by bunding and absorbing with dry inert filler (vermiculite, sand or soil), which can then be collected and removed mechanically by shovelling into appropriately labelled drums/containers. Disposal should be effected by an approved waste disposal organisation according to local regulations.
<u>Environmental precautions:</u>	Do not allow to enter into drains, sewers or waterways.

7. HANDLING AND STORAGE

<u>Precautions for safe handling:</u>	Wear personal protective equipment (PPE) as per Section 8. Provide for good ventilation. Avoid inhalation of mists or fumes. Avoid skin contact. Avoid ignition sources. May be ignited by heat, sparks or flame. Use spark proof tools and explosion proof equipment. Ground and bond containers when transferring material. Vapours can travel to a source of ignition and flash back. Do not pressurise, cut, weld, braze, solder, drill, grind or expose such container to heat, flame, sparks, static electricity or other sources of ignition; containers may explode and cause injury or death. Fire produces irritating or poisonous gas.
<u>Conditions for safe storage:</u>	Keep containers tightly closed. Store under cover and away from moisture, heat and direct sunlight. Store in a cool dry well ventilated area between 5 – 35 °C. Avoid long-term exposure to elevated temperatures. Keep out of reach of children. Avoid contact with oxidising material and water vapour.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

<u>Ventilation:</u>	Ensure adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. State regulations on speed and direction of airflow away from operators must be observed. If these are not sufficient to maintain concentrations of particles below the OEL (Occupational Exposure Limit), suitable respiratory protection must be worn. Keep containers closed when not in use.
<u>Exposure Standards</u>	OEL (Occupational Exposure Limit) - 50 ppm total hydrocarbon as allocated by solvent manufacturer.

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Personal Protective Equipment (PPE):

<u>Respiratory protection:</u>	Type A1 if ventilation is inadequate
<u>Glove type (AS2161):</u>	Solvent resistant impervious gloves e.g. PVC or nitrile rubber gauntlets.
<u>Eye protection:</u>	Chemical worker's goggles or well fitting safety glasses or full face shield.
<u>Clothing:</u>	No special clothing required but overalls or other suitable industrial clothing which provides full skin coverage are suggested as a general precaution, especially where heavy contamination is likely.
<u>Other:</u>	Use barrier creams to protect skin from contact with the material. Do not eat drink or smoke while working with the material. Always wash hands before smoking, eating, drinking or using the toilet and after finishing work. Observe the usual precautions when handling chemicals.

9. PHYSICAL AND CHEMICAL PROPERTIES

<u>Appearance:</u>	Clear light amber, low viscosity liquid.
<u>Odour:</u>	Aromatic hydrocarbon odour.
<u>pH:</u>	Not applicable
<u>Specific gravity:</u>	Approx. 0.900 g/cm ³ at 20°C
<u>Solubility in water:</u>	Insoluble
<u>Flash point:</u>	approx 36°C
<u>Explosion Limit:</u>	UEL – 5.5% LEL – 0.9%
<u>Vapour pressure:</u>	Not available
<u>Boiling point:</u>	> 190 °C

10. STABILITY AND REACTIVITY

<u>Chemical stability:</u>	Normally stable when stored in original sealed containers in cool dry conditions. Not sensitive to mechanical impact.
<u>Incompatible materials:</u>	Acids and strong oxidisers.
<u>Hazardous decomposition products:</u>	May evolve toxic gases if heated to decomposition.
<u>Hazardous reactions:</u>	None known

11. TOXICOLOGICAL INFORMATION

<u>Health Hazard Summary:</u>	Susceptible individuals may develop allergic reactions such as dermatitis or asthma-like symptoms on a single significant skin exposure or may become sensitised to the material on repeated contact. Hence it is imperative that all forms of exposure be kept to an absolute minimum. Be warned that intentional misuse by deliberately inhaling the contents may be harmful and fatal.
<u>Inhalation:</u>	Harmful if inhaled. Headaches, dizziness, nausea, decreased blood pressure; changes in heart rate and cyanosis may result from overexposure to vapour.
<u>Eyes:</u>	May be irritating to the eyes. Will cause eye discomfort, but will not injure eye tissue
<u>Skin contact:</u>	Causes skin irritation. Repeated or prolonged contact can result in defatting and drying of the skin that may result in skin irritation and dermatitis (rash)..
<u>Ingestion:</u>	Irritating to mouth, throat and stomach. Small amounts of liquid aspirated into the

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respiratory system during ingestion or from vomiting may cause bronchopneumonia or pulmonary oedema.

Toxicity Data:

OEL (Occupational Exposure Limit) – 50ppm total hydrocarbon as allocated by solvent manufacturer.

12. ECOLOGICAL INFORMATIONEcology:

Do not discharge into drains, sewers or waterways.
Degradability not determined.

13. DISPOSAL CONSIDERATIONSDisposal method and containers:

Ensure containers are sealed. Avoid mist generation. Dispose of to an approved chemical waste disposal site. Refer to local Waste Management Authority.

Special precautions for landfill or incineration:

None known

14. TRANSPORT INFORMATIONUN number:

1263

Proper shipping name:

PAINT RELATED MATERIAL (CONTAINS AROMATIC HYDROCARBONS)

Dangerous goods class:

3

Subsidiary risk:

None allocated

Packing group:

III

Hazchem code:

3Y

15. REGULATORY INFORMATION

NICNAS / AICS:

All components are listed

Poisons Schedule:

6

HSNO Classifications:

6.1C, 6.1E

ERMA Group Standard:

HSR002662

ERMA / NZIoC:

All components are listed

Tracking:

Not required

Approved Handler:

Not required

16. OTHER INFORMATION

Reason for issue: New format; New BASF product code due to change of company name and system.

This MSDS summarises our best knowledge of the health and safety hazard information of the product and how to safely handle and use the product in the workplace. Each user should read this MSDS and consider the information in the context of how the product will be handled and used in the workplace including in conjunction with other products. If clarification or further information is needed to ensure that an appropriate risk assessment can be made, the user should contact this company. Our responsibility for products sold is subject to our standard terms and conditions, a copy of which is sent to our customers and is also available on request. All information contained in this MSDS is as accurate and up-to-date as possible. No warranty expressed or implied is made as to its accuracy, reliability or completeness.