

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 355

Other Name: None allocated

Recommended Use: Clear hydrophobic impregnant for concrete.

Company: BASF New Zealand Ltd.

Address: 45 William Pickering Drive,
Albany, Auckland,
New Zealand

Telephone Number: +64 9 414 7233

Facsimile: +64 9 414 7244

Emergency Telephone Number: +64 417 658 263

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: Flammable

HSNO Classification

3.1C	Flammable liquid and vapour
6.1D	Acutely toxic (oral)
6.9A	Toxic to human target organs or systems (Inhalation)

Risk Phrase(s):

R10	Flammable
R 22	Harmful if swallowed
R 36/37/38	Irritating to eyes, respiratory system and skin

Safety Phrase(s):

S 3/7/9	Keep container tightly closed in a cool, well-ventilated place
S 36/37/39	Wear suitable protective clothing, gloves and eye/face protection
S 51	Use only in well ventilated areas

3. COMPOSITION / INFORMATION ON INGREDIENTS

<u>Chemical Name</u>	<u>CAS Number</u>	<u>Proportion</u>
Aliphatic, cycloparaffinic, aromatic hydrocarbon	64742-82-1	> 60%
Alkyl silicone resin	Propriety	10 -< 30%
Non hazardous ingredients		to 100%

4. FIRST AID MEASURES

Inhalation: Not a normal route of injury. If inhalation occurs, remove victim from exposure. If difficulty breathing, administer oxygen. If breathing stopped administer artificial respiration. Seek medical attention

Eyes: While holding eyes open, gently flood with plenty of fresh water for 15 minutes. If irritation persists or recurs seek medical attention. Skilled personnel should only undertake removal of contact lenses after an eye injury.

MATERIAL SAFETY DATA SHEET

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

Skin: Remove contaminated clothing. Wash contacted areas thoroughly with soap and water. If irritation persists seek medical attention. Wash contaminated clothing before re-use.

Ingestion: 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

Suitable extinguishing media: Use extinguishing agent suitable for type of surrounding fire e.g. Water Spray or Fog, Foam, Carbon dioxide (CO₂) and Dry Chemical.

Hazards from combustion products: Oxides of carbon and nitrogen from combustion of dried residues.

Precautions and equipment for fire fighters: None known

Hazchem code: None allocated

6. ACCIDENTAL RELEASE MEASURES

Methods and materials for containment and clean up: Caution slippery when spilt. Stop leak if possible without risk. Spills should be contained by absorbing with dry inert filler (vermiculite, sand or soil), which can then be shovelled into appropriately labelled drums for disposal. Carefully dilute with water (fine spray or fog). Wash down area with excess water into a containment area or contain with inert filler for disposal. Spills in a contained area such as a bund can be removed by a commercial bulk liquid waste disposal organisation. Refer to the local Waste Management Authority and comply with local regulations.

Environmental precautions: Do not discharge into sewers or waterways.

7. HANDLING AND STORAGE

Precautions for safe handling: Wear PPE as per Section 8. Avoid heat and sources of ignition.

Conditions for safe storage: Store in a cool dry area at 5 to 35°C for optimum shelf life. Store undercover and away from frost. Avoid strong oxidising agents. Avoid heat and sources of ignition.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Ventilation: Ventilation is generally not required

Personal Protective Equipment (PPE):

Respiratory protection: Not normally applicable. Avoid mists.

Glove type (AS2161): Impervious gloves e.g. PVC, butyl or nitrile rubber.

Eye protection: Safety glasses or face shield or chemical worker's goggles.

Clothing: General protective clothing such as overalls or long pants and a long sleeve shirt or a chemical apron. Remove contaminated clothing as soon as possible. Launder thoroughly before reusing. For large spills or ponded areas impervious footwear is preferred.

Other: Use barrier creams to protect skin from contact with the material. Always wash hands before smoking, eating, drinking or using the toilet and after finishing work.

MATERIAL SAFETY DATA SHEET

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

Observe the usual precautions when handling chemicals.

9. PHYSICAL AND CHEMICAL PROPERTIES

<u>Appearance:</u>	Clear Low viscosity liquid
<u>Odour:</u>	Solvent
<u>pH:</u>	Not applicable
<u>Boiling point:</u>	> 149°C
<u>Solubility in water:</u>	Insoluble
<u>Specific gravity:</u>	approx. 0.80 (23 °C)
<u>Flash point:</u>	approx. 36 °C
<u>Flammability limits:</u>	UEL – 7.5% LEL – 1.0%

10. STABILITY AND REACTIVITY

<u>Chemical stability:</u>	Stable. Not sensitive to mechanical impact.
<u>Incompatible materials:</u>	Strong oxidising agents. Avoid heat and sources of ignition
<u>Hazardous decomposition products:</u>	Oxides of carbon and nitrogen from combustion of dried residues.
<u>Hazardous reactions:</u>	Hazardous polymerisation will not occur.

11. TOXICOLOGICAL INFORMATION

Effects of Overexposure

<u>Inhalation:</u>	Causes irritation to mucous membrane and respiratory tract.
<u>Eyes:</u>	Causes eye irritation and redness.
<u>Skin contact:</u>	Causes skin irritation and prolonged contact may cause dermatitis.
<u>Skin absorption:</u>	Can absorb through skin.
<u>Ingestion:</u>	May cause irritation to mouth, throat and digestive tract. Large dose may cause drowsiness and may lead to unconsciousness.
<u>Chronic:</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.

12. ECOLOGICAL INFORMATION

<u>Ecology:</u>	Do not discharge into sewers or waterways.
<u>Marine pollutant:</u>	Not listed

13. DISPOSAL CONSIDERATIONS

<u>Disposal method and containers:</u>	Refer to Waste Management Authority. Dispose of material through a licensed waste contractor.
<u>Special precautions (landfill/incineration):</u>	None known.

MATERIAL SAFETY DATA SHEET

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

14. TRANSPORT INFORMATION

<u>UN Number:</u>	1993
<u>UN Proper Shipping Name:</u>	FLAMMABLE LIQUID, N.O.S.
<u>Dangerous Goods Class:</u>	3
<u>Subsidiary Risk:</u>	None allocated
<u>Packing Group:</u>	III
<u>Hazchem Code:</u>	3[Y]

15. REGULATORY INFORMATION

NICNAS / AICS:	All components are listed
Poisons Schedule:	5
HSNO Classifications:	3.1C, 6.1D, 6.9A
ERMA Group Standard:	HSR002662
ERMA / NZIoC:	All components are listed
Tracking:	Not required
Approved Handler:	Not required

16. OTHER INFORMATION

Reason for issue: Update to New Zealand MSDS.

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.