Material Safety Data Sheet

Hazardous according to the criteria of NOHSC Australia

1. IDENTIFICATION OF PREPARATION AND SUPPLIER

Product name: Hardtop ASB

Intended use: Concrete coating

Supplier: CRG Pty Ltd
2/7 Davison Road
Cockburn Central WA 6164

Telephone: +61 402 960 346

UN number: 1993
Hazchem code: 3Y
Class: 3
Packing group: III
Poison Schedule: 6
Correct shipping name: FLAMMABLE LIQUID, N.O.S

2. HAZARDS IDENTIFICATION

Hazardous: according to classification by Safe Work Australia
Dangerous goods: according to the Australian Code for the Transport of Dangerous Goods by Road and Rail

Signal word(s): **DANGER**

GHS Classification	Pictogram	Hazard statement(s)
Flammable Liquids, Category 3		H226 Flammable liquid and vapour

Aspiration Hazard, Category 1 Specific Target Organ Toxicity (Repeated exposure)		H304 May be fatal if swallowed and enters airways H372 Causes damage to organs (central nervous system) through prolonged or repeated exposure
Skin Corrosion/Irritation Category 2 Specific Target Organ Toxicity (Single exposure), Category 3		H315 Causes skin irritation H335 May cause respiratory irritation
Chronic Aquatic Toxicity, Category 3		H412 Harmful to aquatic life with long lasting effects

PrecautionaryStatements

General
P101 If medical advice is needed, have product container or label on hand
P102 Keep out of reach of children
P103 Read label before use

Prevention
P210 Keep away from heat/sparks/open flames/hot surfaces - No smoking
P233 Keep container tightly closed
P234 Keep only in original container
P240 Ground /bond container and receiving equipment
P241 Use explosion-proof electrical/ventilation/lighting equipment
P242 Use only non-sparking tools
P243 Take precautionary measures against static discharge
P260 Do not breathe dust/fume/gas/mist/vapours/spray
P261 Avoid breathing mists/vapours/sprays
P264 Wash skin thoroughly after handling
P271 Use outdoors on in well-ventilated area
P273 Avoid release to the environment
P280 Wear protective gloves/clothing/eye protection/face protection

Response

P301+P330+P331 IF SWALLOWED: since mouth. Do NOT induce vomiting
P303+P361+P353 IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower
P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing
P310 Immediately call a POISON CENTRE or doctor/physician
P363 Wash contaminated clothing before reuse
P337+P313 If eye irritation persists: Get medical advice/attention
P390 Absorb spillage to prevent material damage

Storage

P403 + P233 Store in a well-ventilated place. Keep container tightly closed
P405 Store locked up
P235 Keep cool.

Disposal

P501 Dispose of contents/container according to local, state and federal regulations.

3. COMPOSITION/ INFORMATION ON INGREDIENTS

Ingredient	CAS number	Proportion
Acrylic polymer(s)	N/A	25%
Solvent naphtha (petroleum), light aromatic	64742-95-6	Remainder

4. FIRST AID MEASURES

Notes to physician: Treat symptomatically. Effects may be delayed. Following exposure the patient should be kept under medical supervision for at least 48 hours.

Ingestion: Rinse mouth with water. Give water or milk to drink. DO NOT induce vomiting. Seek immediate medical assistance.

Inhalation: Remove victim from exposure. Keep warm. Keep at rest until fully recovered. If breathing becomes laboured and patient is cyanotic (blue), ensure airways are clear and have qualified person give oxygen. If breathing has stopped apply artificial respiration at once. In the event of cardiac arrest, apply external cardiac massage. Seek immediate medical attention.

Skin contact: Wash contaminated skin with plenty of soap and water. Remove contaminated clothing and wash before re-use. If swelling, redness, blistering or irritation occurs seek medical advice.

Eye contact: Immediately irrigate with copious quantities of water for at least 15 minutes. Eyelids to be held open. Urgently seek medical assistance.

5. FIRE FIGHTING MEASURES

Specific hazards: May release Carbon monoxide incomplete combustion occurs. Will float and can be reignited on surface water. Vapour is heavier than air, can spread along ground and distant ignition is possible.

Suitable extinguishing media: Foam, water spray or fog, dry chemical powder or carbon dioxide. Do not use water jet.

Required special equipment for fire fighters: In the event of fire, wear self-contained breathing apparatus. Fire fighters must wear fire resistant personnel protective equipment.

6. ACCIDENTAL RELEASE MEASURES

For major or minor spillage:
1. Wear skin and eye protection.
2. Shut off leaks and isolate.
3. Do not allow into waterways, use appropriate containment to avoid environmental contamination.
4. Remove and dispose of residues according to local authority regulations.

7. HANDLING AND STORAGE

Storage: Store indoors in a dry, well-ventilated area. Flammable product, avoid open flames, heat and possible sources of ignition. Protest against electrostatic charges.

Materials to avoid: Foodstuffs, strong oxidising agents.

Unsuitable containers: Store in original containers

Handling: Wear splash proof safety goggles, gloves of rubber or neoprene. Where mists are not controlled wear a suitable respirator. Flammable vapours may accumulate in low or confined areas.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

National occupational exposure limits:
No values assigned for this specific material by the National Occupational Health and Safety Commission (Work safe Australia).

Material	TWA		STEL		Notices
	ppm	mg/m^3	ppm	mg/m^3	
Aromatic solvents		100			

TWA – the Time-Weighted Average airborne concentration over an eight-hour working day, for a five-day working week over an entire working life.

STEL (Short Term exposure limit) – the average airborne concentration over a 15 minute period which not be exceeded at any time during a normal eight hour workday. According to current knowledge these concentrations should neither impair the health of, nor cause undue discomfort to, nearly all workers.

Personal protection: Avoid inhalation of fumes, use with local exhaust ventilation. Avoid contact with skin. Wear eye protection.

9. PHYSICAL PROPERTIES

Appearance and Odour:	Clear liquid
Density:	0.9 - 1.0
PH in water:	N/A
Solubility in water:	Not miscible
Boiling point (°C):	148 - 182
Vapour pressure:	0.8
Flammability limits (LEL-UEL):	0.6 - 7.7
Flash point (°C):	42
Auto ignition temp (°C):	460

10. STABILITY AND REACTIVITY

Stable under normal conditions of storage and handling.
Avoid sources of heat and ignition sources, open flames.
Incompatible with strong oxidising agents
Thermal decomposition is highly dependent on conditions. A complex mixture of airborne solids, liquids and gasses including carbon monoxide, carbon dioxide and other organic compounds will be evolved when this material undergoes combustion or thermal or oxidative degradation.

11. TOXICOLIGICAL INFORMATION

Eye contact: May cause chemical conjunctivitis.

Skin contact: Contact will result in moderate irritation. May cause sensitisation in some individuals. Repeated or prolonged contact may result in allergic contact dermatitis.

Inhalation: An irritant to mucous membranes and respiratory tract. Inhalation of fumes can result in irritation to eyes, nose, throat and lungs, combined with dryness of the throat, tightness of the chest and difficulty breathing. A respiratory sensitiser. The onset of respiratory symptoms may be delayed for several hours after exposure.

Ingestion: May cause nausea, vomiting and irritation to the gastrointestinal tract.

Long-term effects: Material is acidic and causes caustic burns to skin and lungs and may cause gastric ulcers if swallowed.

Acute toxicity / Chronic toxicity: No LD50 data available for this product.
Not expected to be mutagenic
Not expected to be carcinogenic
Not expected to impair fertility

12. ECOLOGICAL INFORMATION

Not miscible with water.
Expected to be harmful to fish, algae, aquatic invertebrates and micro-organisms :
10 < LC/EC/IC50 <=100mg/l.
Liquid component expected to be biodegradable. Oxidises by photo-chemical reactions in air.

13. DISPOSAL CONSIDERATIONS

Refer to Local authority.

14. TRANSPORT INFORMATION

Transport information:	Dangerous goods class 3 (Flammable) are incompatible with placard loads of any of the following: Class 1, Class 4.3, Class 5, Class 6, if the Class 6 goods are cyanides, Class 7; and are incompatible with food and food packaging in any quantity.
UN Number:	1993
UN proper shipping name:	FLAMMABLE LIQUID, N.O.S
Transport class(s):	3
Hazchem code:	3Y
Packing group:	III

15. Regulatory information INFORMATION

Poisons schedule: 5

14. OTHER INFORMATION

This MSDS summarises at the date of issue our best knowledge of health and safety hazard information for this product, and in particular how to safely handle and use the product in the workplace. Each user must, prior to usage, review this MSDS in the context of how the user intends to handle and use the product in the workplace.

If clarification or further information is needed to ensure that an appropriate assessment can be made, the user should contact this company.