



MATERIAL SAFETY DATA SHEET

Classified as HAZARDOUS according to criteria of NOHSC
Non-Dangerous according to the criteria of the ADG Code

Section 1: IDENTIFICATION

Agg-Coat 20

Recommended Use: Pre-coat adhesion agent.
Product Code: 600

UN Number : None Allocated
Dangerous Goods Class: None Allocated
Hazchem Code: None Allocated
Poisons Schedule No: 5

Otech Australia (A.B.N. 72 082 678 484)
Address: Cnr Boundary Rd & Potassium St, Narangba Qld 4504
Postal Address: P.O. Box 139, Deception Bay QLD 4508
Telephone Number: (07) 3203 2833 Facsimile: (07) 3203 3700
Email: info@otechaustralia.com.au
Emergency Telephone Number: Poisons Information Centre (National) 13 11 26

Section 2: HAZARDS

Classified as hazardous according to the criteria of NOHSC.
Not Classified as Dangerous Goods according to the criteria of ADG code.

Symbols:

Xn Harmful
N Dangerous for the environment

Risk Phases:

R65 Harmful: May cause lung damage if swallowed
R66 Repeated exposure may cause skin dryness or cracking
R51/53 Toxic to aquatic organisms, may cause long term adverse effects on the aquatic environment

Safety Phases:

S23 Do not breathe vapour
S24/25 Avoid contact with skin and eyes
S51 Use only in well ventilated areas
S61 Avoid release to the environment
S62 If swallowed, do not induce vomiting: seek medical advice immediately and show container or label
S2 Keep out of reach of children

Section 3: COMPOSITION INFORMATION

Ingredient	CAS No	Proportion
Liquid Hydrocarbons	68334-30-5	>65%
Road Grade Bitumen	8052-42-4	10 – 30%
Bitumen Adhesion Agents	7173-62-8	1 – 10%

Section 4: FIRST AID

Eye	If in eyes, hold eyes open, flood with water for at least 15 minutes and see a doctor
Skin	If skin contact occurs, remove contaminated clothing and wash skin thoroughly. Launder clothing before reuse. Seek medical attention if irritation develops
Inhalation	If over exposure occurs, leave area of exposure. Apply artificial respiration if not breathing. Seek medical attention.
Ingestion (Swallowing)	If poisoning occurs, contact a doctor or Poisons Information Centre (phone: 131 126 in Australia). If swallowed, do not induce vomiting. Give a glass of water.
First Aid Facilities	Provide eye baths and safety showers close to areas where splashing may occur.
Advice to doctors	Due to the risks of lung damage by aspiration of this product, gastric lavage should only be undertaken after endotracheal intubation.
Additional Information	None available.

Section 5: FIREFIGHTING MEASURE

Flammability	Combustible liquid (C1). Isolate from source of heat, naked flames or sparks. (refer to AS 1940)
Fire & Explosion	In event of a fire, this product has a risk of violent reaction or explosion. Remove ignition sources if safe to do so.
Extinguishing	Foam or dry foam extinguisher. Wear breathing apparatus, full protective clothing, appropriate boots and chemically impervious protective gloves while attending hazard. Prevent the product from entering drains or waterways.
Hazchem Code	Not applicable

Section 6: ACCIDENTAL RELEASE MEASURES

Observe all local and national regulations

Spills & Disposal	Avoid contact with spilled or released material. Shut off leaks, if possible without personal risk. Remove all sources of ignition in the surrounding area. Prevent entry into drainage systems, sewers and waterways. Use appropriate containment to avoid environmental contamination using sand, earth or other appropriate barriers. Ensure waste disposal conforms to local waste disposal regulations. Empty containers retain vapour and product residue and may therefore, present irritant vapour hazards. For LARGE SPILLS , contain with absorbent pads and/ or booms and inform regulatory authorities immediately.
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Section 7: HANDLING AND STORAGE

This product is classified as class C1 Combustible liquid for storage and handling purposes.

Precautions for Safe Handling

Avoid breathing of, or contact with material. Use in well ventilated areas. Ensure that the workplace is ventilated such that Occupational Exposure limit is not exceeded. Handle open containers in well ventilated areas.

Wash thoroughly after handling. Avoid contact with skin, eyes and clothing. Do not eat, drink or smoke in contaminated areas. Before eating, drinking or smoking, remove contaminated clothing and wash hands.

Do not empty into drains.

Storage

Store in a cool, well ventilated area away from heat and ignition sources. Do not store near strong oxidants.

Section 8: EXPOSURE CONTROL/PERSONAL PROTECTION

Exposure Standards

This product is harmful if it is inhaled. There is no specified time weighted average (TWA) statistic determined exposure for Agg-Coat 20, however, 5mg / m³ (bitumen fumes) should be used.

Personal Protective Equipment

Respiratory Protection: This product is harmful if inhaled. Respiratory protection should be used if there is a risk of exposure to high vapour concentrations. Respirators should comply with AS1716 or an equivalent approved by a state/ territory authority.

Hand Protection: Wear chemical resistant gloves.

Eye Protection: Wear chemical goggles or face shield.

Protective Clothing: Wear protective clothing as necessary to avoid skin contact.

Engineering Controls

Keep away from sources of ignition.

Do not inhale vapours. Use in well ventilated areas. Provide sufficient ventilation to control exposure standards. Use local exhaust ventilation at sources of air contamination such as open process equipment.

Dangerous concentrations may exist in areas with poor ventilation such as confined spaces.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Black Liquid

Boiling Point: Typical 198°C

Odour: Hydrocarbon

Freezing/ Melting Point: -12°C

pH: Not Available

Solubility: Negligible

Specific Gravity (g/ml @ 25°C): 0.91

Flash Point: 75°C

Vapour Pressure (mmHg @ 25°C): 0.4 kPa (Typical)

Explosion Limits (%): 0.7 – 6.0

Vapour Density (air = 1): **3.45** @ 15°C.

Section 10: STABILITY AND REACTIVITY

Chemical Stability	Stable under normal conditions of use.
Conditions to avoid	Avoid heat, sparks, open flames and other ignition sources.
Incompatible materials	Strong oxidizing agents.
Hazardous Decomposition Products	Overheating may cause vaporization and decomposition with the possible production of a hydrogen sulphide gas. Incomplete decomposition will generate smoke and hazardous gases.

Section 11: TOXICOLOGICAL INFORMATION

HEALTH EFFECTS

Acute

Swallowed

The liquid is discomforting to the gastro-intestinal tract. Ingestion may result in nausea, abdominal irritation, pain and vomiting. Considered an unlikely route of entry in commercial/ industrial environments. Toxic if swallowed, greater than 500ml.

Eye

The liquid is discomforting to the eyes and is capable of causing a mild, temporary redness of the conjunctiva, temporary impairment of vision and/or other transient eye damage/ ulceration.

Skin

The material maybe harmful to the skin and is capable of causing skin reactions, which may lead to dermatitis from repeated exposures over long periods. The material may accentuate any re-existing skin condition. Bare unprotected skin should not be exposed to this material.

Inhaled

Inhalation may cause irritation to the respiratory tract. Exposure to high concentration of the solvent vapour may lead to dizziness, nausea, somnolence and narcoses.

Chronic

Repeated or prolonged contact may cause irritant contact dermatitis

Section 12: ECOLOGICAL INFORMATION

Ecotoxicity	Fish: Expected to be harmful Aquatic Invertebrates: Expected to be harmful Algae: Expected to be toxic Microorganisms: Expected to be harmful
Persistence and degradability	Readily biodegradable. Oxidises by photo-chemical reactions in air
Mobility	Floats on water causing possible damage to micro organisms.

Section 13: DISPOSAL CONSIDERATIONS

Disposal Method	Ensure waste disposal conforms to local waste disposal regulations.
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Section 14: TRANSPORT INFORMATION

Not classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code).

UN Number	None Allocated
UN Proper Shipping Name	None Allocated
Class and subsidiary risk	None Allocated
Packing Group	None Allocated
Special precautions for user	None
Hazchem Code	None Allocated

Section 15: REGULATORY INFORMATION

This product is classified as hazardous according to the National Occupational Health and Safety Commission (NOHSC) criteria.

Hazard Category Harmful

AICS (Australia) All components in this product are listed on AICS (Australian Inventory of Chemical Substances)

Poisons Schedule (SUSDP): 5

Dangerous Goods Initial Emergency Response Guide (SAA/SNZ HB76:1997): 15

Section 16: OTHER INFORMATION

Poisons Information Centre 13 11 26

Otech Australia
Contact Details:

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The information sourced for the preparation of this document was correct and complete at the time of writing to the best of the writer's knowledge. The document represents the commitment to the company's responsibilities surrounding the supply of this product, undertaken in good faith. This document should be taken as a safety guide for the product and its recommended uses but is in no way an absolute authority. Please consult the relevant legislation and regulations governing the use and storage of this type of product.

End of MSDS