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Envirospray300

Thermospray 800

Supercell

ENVIROSPRAY 300

SPRAY APPLIED ACOUSTIC & THERMAL SYSTEMS

MATERIAL SAFETY DATA SHEET

Updated: 01 July 2020

SECTION 1 PRODUCT IDENTIFICATION

- 1.1 **Product Name:** Envirospray 300
- 1.2 **Trade Names:** Thermospray 800, Enviropanel, Supacell Loose Fill
- 1.3 **Generic Name:** Cellulose Insulation
- 1.4 **Manufacturer:** Enviro-Acoustics Pty Ltd
- 1.5 **Address:** 2 / 29 Charles St, ST MARYS NSW 2760 Tel: +61-2-9623 4400
- 1.6 **Primary Components:** Cellulose, Boric Acid, Borax
- 1.7 **Appearance & Odour:** Fibrous loose pulped fire resistant paper with no odour and packed in woven Polythene 50 litre bags, approximate weight 12.0kg
- 1.8 **Uses:** Used as an Acoustic Absorber and Thermal Barrier on roofs, ceilings, Walls and floors. Used as solid fill to cavities for vermin proofing.
- 1.9 **Trademarks:** Envirospray 300, Thermospray 800, Enviropanel, Supacell

SECTION 2 HAZARDOUS INGREDIENTS - IDENTITY INFORMATION

CHEMICAL NAME	CAS ID NUMBER	PROPORTION	*EXPOSURE LIMITS
CELLULOSE (MACERATED PAPER)	9004-34-6	80% max	10
BORIC ACID	10043-35-3	15% max	10
BORAX	1303-96-4	5% max	15
SOLUBLE STARCH	9005-25-8	5% max	10
CALCIUM CARBONATE	1317-65-3	6.5%	15
ALUMINIUM SULPHATE	10043-01-3	3.5% max	15

Note 1 : *NOHSC (1003 – 1995) – 8hr TWA, mg/m³

Note 2 : This product does not contain any form of asbestos, CFC or man made fibres.
 Base cellulose is reconstituted from wood pulp only.

SECTION 3**HEALTH HAZARD IDENTIFICATION DATA****3.1 Route of Entry:**

- | | |
|-------------------------|----------------|
| 3.1.1 Inhalation | Yes |
| 3.1.2 Skin | Only if broken |
| 3.1.3 Ingestion | Possible |

3.2 Acute & Chronic:

- | | |
|------------------------|---|
| 3.2.1 Inhaled | Excessive airborne exposure levels may produce nuisance effects such as nose & throat irritation, coughing & sneezing |
| 3.2.2 Swallowed | Most unlikely under normal conditions of use. Intentionally consuming large amounts of this product may cause abdominal discomfort and headache |
| 3.2.3 Skin | This product is not absorbed through the skin. Entry through open wounds may cause local irritation |
| 3.2.4 Eye | The dust from this product may cause irritation, watering and redness |

3.3

- | | |
|-------------------------------|---------------|
| 3.3.1 Carcinogenicity: | None reported |
| 3.3.2 NTP: | NO |
| 3.3.3 IARC Monographs | NO |
| 3.3.4 OSHA Regulated: | NO |

3.4 Summary:

When applied according to Manufacturer's instructions, no adverse health effects have been reported

SECTION 4**FIRST AID MEASURES**

- | | |
|-------------------------|--|
| 4.1 | No unusual emergency procedures are indicated. Follow currently approved Red Cross or other suitably accredited first aid procedures as and when required |
| 4.2 Eye contact: | For severe dust exposure rinse eyes with warm water for 15 minutes
If irritation persists, seek medical attention |
| 4.3 Inhalation: | If difficulty in breathing occurs remove person to fresh air area. |
| 4.4 Ingestion: | Although ingestion of significant amounts is unlikely, symptoms include Diarrhea, nausea or vomiting. Administer 2 glasses of water and seek medical attention |

SECTION 5**FIRE FIGHTING MEASURES****5.1 Fire Resistance Properties:**

- 5.1.1 Spread of flame Index : 0 (AS 1530.3)
- 5.1.2 Heat Developed Index : 0 (AS 1530.3)
- 5.1.3 Smoke Index : 3 (AS 1530.3)
- 5.1.4 USA ASTM Fire Class : Class A (E84)
- 5.1.5 British Standard Fire Class : Class 1 (BS 476.7)
- 5.1.6 Aust/NZ Group Rating : Group 1 (AS 3837)

5.2 Extinguishing Media: No Restrictions

5.3 Unusual Fire & Explosion: None Reported

- 5.3.1 No unusual fire fighting methods are indicated
- 5.3.2 Extreme heat may produce carbon monoxide and other toxic decomposition products
- 5.3.3 Wear appropriate fire fighting protective equipment

5.4 Flash Point: Not Applicable

5.6 Flammable Limits: Not Applicable

5.7 Fire & Explosion Hazard: Not Applicable

SECTION 6**ACCIDENTAL SPILL & RELEASE MEASURES****6.1 Steps to be taken in case material is released or spilled:**

- 6.1.1 Wear appropriate personal protective gear described in SECTION 8 of this MSDS
- 6.1.2 Lightly wet spilled material with water to prevent dusting and transfer to leak proof container.
- 6.1.3 Seal container, attach appropriate labels, and dispose according to State/Local regulations

SECTION 7**HANDLING & STORAGE**

- 7.1 Store in closed containers in cool, dry protected area
- 7.2 Isolate from incompatible substances.
- 7.3 Wear appropriate personal protective gear described in SECTION 8 of this MSDS
- 7.4 Lightly wet material in pumping machine to minimize generated dust

SECTION 8**EXPOSURE CONTROL & PERSONAL PROTECTION****8.1 Respiratory Protection:**

8.1.1 Under normal Manufacturer's specified application conditions, no respiratory protection should be necessary. It is recommended to avoid irritation from nuisance dust to wear dust and mist cupped respirators type P1 by 3M or similar

8.1.2 Under emergency fire fighting conditions, responders should wear appropriate protective fire fighting equipment.

8.2 Ventilation:

As may be needed to control excessive exposure to dust – Local exhaust with scrubbing filters recommended

8.3 Protective Gloves:

Optional for this product

8.4 Eye Protection:

Recommended for this product – use general purpose non fogging PVC goggles if required. Also recommended in high wind situations

8.5 Protective Clothing:

Wear usual protective gear appropriate to dusty work environment

8.6 Hygienic Practices:

Wash hands and face before eating, shower and change clothing daily

SECTION 9**PHYSICAL & CHEMICAL PROPERTIES****9.1 Physical State:**

Solid (fibrous) mass

9.2 Specific Gravity (H₂O=1):

0.86

9.3 pH

8.0 – 8.6

9.4 Solubility in water:

Slight (<20gm/litre)

9.5 Evaporation rate (Butyl Acetate=1):

Not applicable

9.6 Melting / Freezing / Boiling point:

N/A

9.7 Appearance:

Fibrous Material, Grey, White or Beige in appearance

9.8 Odour:

Odourless

9.9 Colour of material:

Grey/White/Beige – refer manufacturer

SECTION 10**STABILITY & REACTIVITY****10.1 Stability/Stable:**

Yes. Stable

10.2 Conditions to Avoid:

Stable under normal ambient room conditions

10.3 Incompatibility:

Fire retardant properties may be reduced if contamination occurs with oils, fuels, other flammable / combustible materials, and/or strong oxidizers

10.4 Hazardous Decomposition by products:

On heating expected decomposition products include, but are not limited to, the following; carbon monoxide & carbon dioxide. Fire Fighters should wear appropriate protective clothing & respiratory protective equipment.

10.5 Hazardous Polymerization:

Will not occur

SECTION 11**TOXICOLOGICAL & EPIDEMIOLOGICAL DATA**

11.1 Hazchem Code: None allocated

SECTION 12**ECOLOGICAL / GREEN STAR INFORMATION**

- 12.1 The base material is manufactured primarily from wood pulp and is not considered a hazard in any format.
- 12.2 Minimum Recycled Content : 75% by weight
- 12.3 Volatile Organic Content (VOC) : 15g/L
- 12.4 Ozone Depletion Potential (ODP) : NIL
- 12.5 Embodied Energy @ 100mm thick : 14 MJ

SECTION 13**DISPOSAL CONSIDERATIONS**

13.1 Waste Disposal Method: Dispose according to applicable waste regulations. Current legislation permit dumping of product in landfill tips.

SECTION 14**TRANSPORTATION INFORMATION**

14.1 This product is not classified as a hazardous material to transport
No special clean up procedure is required if the product is spilled.

SECTION 15**REGULATORY INFORMATION**

15.1 This product is classified as hazardous as per NOHSC's Approved Criteria for Classifying Hazardous Substances [NOHSC:1008 (2004)]

SECTION 16**HEALTH & SAFETY INFORMATION TO USERS**

- 16.1 **General Practice:**
- 16.1.1 **Ventilation:** As may be needed to control excessive exposure to dust –
Local Exhaust recommended within non ventilated enclosed areas
- 16.1.2 **Protective Gloves:** Optional for this product
- 16.1.3 **Eye Protection:** Optional for this product – use general purpose non togging PVC
Goggles if required
- 16.1.4 **Protective Clothing:** Wear usual protective gear appropriate to work environment
- 16.1.5 **Hygienic Practices:** Wash hands and face before eating
Shower and change clothing daily
- 16.2 **In case of:**
- 16.2.1 **Eye contact:** Rinse eyes with water
- 16.2.2 **Inhalation:** Remove person to fresh air area

END OF MSDS.....END OF MSDS