MATERIAL SAFETY DATA SHEET

NUVEX UNIBOARD

NUVEX®
ARCHITECTURAL PRODUCTS

SECTION 1 IDENTIFICATION OF THE MATERIAL AND SUPPLIER

PRODUCT NAME	:	Nuvex Uniboard
CHEMICAL NAMES	:	Polyethylene Homopolymer
SYNONYMS	:	Polyethylene, Polyethylene Homopolymer, PE
COMPANY NAME	:	Dotmar EPP PTY
ADDRESS	:	25 Loyalty Road, North Rocks NSW 2151
TELEPHONE NO.	:	+61 2 8848 5000
FAX NO.	:	+61 2 8848 5050
Emergency Phone No	:	1800 170 001

SECTION 2 COMPOSITION / INFORMATION ON INGREDIENTS

Component Name:	CAS #.	OSHA PEL	OSHA STEL	ACGIH TLV	ACGIH STEL	Carcinogenic Listing*	Concentration by Wt./Mol% Avg.	Min.	Max.
Polyethylene, Homopolymer	9002-88-4	N/L	N/L	N/L	N/L	N/L		98.0	100.0
Proprietary Additives		N/L	N/L	N/L	N/L	N/L			2.0

1 = OSHA 2 = IARC 3 = NTP 4 = Others N/L = Not Listed See Section 11 for more information

SECTION 3 HAZARDS IDENTIFICATION

Emergency Overview The purpose of this MSDS is to transmit important product safety information.

Signal Word	:	CAUTION!
Hazards	:	Dust may form explosive mixtures with air. Molten polymer may cause thermal burns. At process temperatures irritating fumes may be produced.
Physical State	:	Solid
Colour	:	Translucent to white.
Odour	:	Faint, mild hydrocarbon odour.

Potential Health Effects

Routes of Exposure	:	Eye Ingestion Inhalation Skin.
Signs and Symptoms of Acute Exposure	:	Hot material may cause thermal burns. At process temperatures, irritating fumes may cause soreness in the nose and throat; coughing may result. Mechanical irritation is possible.
• *Polyethylene, Homopolymer*		Hot material may cause thermal burns. At process temperatures, irritating fumes may cause soreness in the nose and throat; coughing may result. Mechanical irritation is possible.

Skin	:	Molten polymer may cause thermal burns.
Inhalation	:	Inhalation of process fumes and vapours may cause soreness in the nose and throat and coughing. “Nuisance dust” such as polymer dust typically exhibit no significant health effect when they are reasonably controlled. Exposure to high concentrations of dust may cause slight irritation by mechanical action.
Eye	:	Mechanical irritation is possible.
Ingestion	:	Ingestion not a likely route of exposure.
Chronic Health Effects	:	No known chronic health effects.
• *Polyethylene, Homopolymer*		No known chronic health effects.
Conditions Aggravated by Exposure	:	No known conditions are aggravated by this material.

SECTION 4 FIRST AID MEASURES

Take proper precautions to ensure your own health and safety before attempting rescue and providing first aid. For specific information refer to the Emergency Overview in Section 3 of this MSDS.

Inhalation	:	If symptoms are experienced, move victim to fresh air. Obtain medical attention if breathing difficulty persists.
Eye	:	Flush eyes thoroughly with water for several minutes and seek medical attention if discomfort persists.
Skin:	:	If molten material contacts the skin, immediately flush with large amounts of water to cool the affected tissue and polymer. Do not attempt to peel polymer from skin. Obtain immediate emergency medical attention if burn is deep or extensive.
Ingestion	:	Adverse health effects due to ingestion are not anticipated.

SECTION 5 FIRE FIGHTING MEASURES

Flammability Classification	:	Not Classified. Polymer will burn but does not easily ignite.
Flash Point / Method	:	Not applicable.
Auto-Ignition Temperature	:	343 °C (650 °F)
Flammable Limits	:	LOWER - Not applicable. UPPER - Not applicable.
Hazardous Combustion Products	:	Carbon monoxide, olefinic and paraffinic compounds, trace amounts of organic acids, ketones, aldehydes and alcohols may be formed.
Special Conditions to Avoid	:	Dust may form explosive mixtures with air.
Inhalation	:	If symptoms are experienced, move victim to fresh air. Obtain medical attention if breathing difficulty persists.
Extinguishing Media	:	SMALL FIRE: Use DRY chemicals, CO2, water spray LARGE FIRES: Use dry chemicals, CO2, or water spray

Fire Fighting Instructions: : Protective Equipment/Clothing
- Wear an approved positive pressure self-contained breathing apparatus and firefighter turnout gear.

INSTRUCTIONS
- Use flooding quantities of water until well after fire is extinguished.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Release Response : Pick up and retain for recycle or disposal.

Reportable Quantities : See Section 15: Regulatory Information.

SECTION 7 HANDLING AND STORAGE

Handling : Keep material off walking surfaces, it may create a slipping hazard. Polymer dust may form explosive mixtures with air. Avoid accumulation of dust in enclosed space. Use in well-ventilated area. Ground and bond equipment to prevent electrostatic charge when transferring product. Control spilled material to prevent runoff to the sewers and the environment. Do not create dust which can burn/explode. Use good housekeeping practices during storage, transfer, handling, and use to avoid excessive dust accumulation/rendering airborne.

Storage : Keep container dry. Store away from excessive heat and away from strong oxidizing agents. Keep container closed to prevent contamination.

SECTION 8 EXPOSURE CONTROLS AND PERSONAL PROTECTION

Engineering Controls : Ventilate area to prevent accumulation of dust and fumes.

Personal Protection

Inhalation : Use appropriate respiratory protection where atmosphere exceeds recommended limits.
Skin : Protective clothing such as long sleeves or a lab coat should be worn
Eye : Safety glasses are required as minimum requirements.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point : Not applicable
pH : Not applicable
Vapour Pressure : Not applicable
Viscosity : Not applicable
Specific Gravity : Solid/Liquid: 0.91 - 0.98 (water=1)
Vapour : Not applicable.

Water Solubility	:	Insoluble.
Octanol/Water Partition Coefficient in Kow	:	Specific data not available.
Melting/ Freezing Point	:	104 - 138 °C (219 - 280 °F)
Evaporation Rate	:	Not applicable.

SECTION 10 STABILITY AND REACTIVITY

Chemical Stability	:	The product is stable.
Conditions to Avoid	:	Avoid contact with strong oxidizers, excessive heat, sparks or open flame.
Incompatibility with	:	Material may be softened by some hydrocarbons. Reacts with fluorine gas.
Hazardous Products of Decomposition	:	Not expected to decompose under normal conditions.
Hazardous Polymerization	:	Not likely.
Reactions with Air and Water	:	Does not react with air, water or other common materials.

SECTION 11 TOXICOLOGICAL INFORMATION

Product Summary:

ACUTE ORAL EFFECTS: No adverse health effects were noted on the digestive system of test animals when fed up to 20% polyethylene.

SKIN EFFECTS : No adverse effects are expected.

Repeated Dose Toxicity

- Sub chronic, 50-90 day, feeding studies conducted on rats, dogs and swine showed no effects from dietary levels of 1-20%powdered and shredded polyethylene.

Reproductive / Development Effects

- Not expected to occur.

Component Summary:

- **Polyethylene, Homopolymer**

ACUTE ORAL EFFECTS: No adverse health effects were noted on the digestive system of test animals when fed up to 20% polyethylene.

SKIN EFFECTS : No adverse effects are expected.

Repeated Dose Toxicity

- Sub chronic, 50-90 day, feeding studies conducted on rats, dogs and swine showed no effects from dietary levels of 1-20%powdered and shredded polyethylene.

Reproductive / Development Effects

- Not expected to occur.

SECTION 12 TOXICOLOGICAL INFORMATION

Ecotoxicity : Ecotoxicity is expected to be minimal based on the low water solubility of polymers. Pellets can be harmful to birds and fish if ingested.
Environmental Fate : No information found in our selected references.
Bioaccumulation : Not expected to occur.

SECTION 13 DISPOSAL CONSIDERATIONS

Use only licensed transporters and permitted facilities for waste disposal. Recycle if possible.

SECTION 14 TRANSPORT INFORMATION

Proper Shipping Name : Polyethylene, ot liquid
DOT Hazard Class : Not Regulated.
UN/NA ID : Not Regulated Marine
Pollutant : No
Packing Group : Not applicable
NAER Guidebook : Not Regulated
Labels : Not Regulated
DOT Status : Not Regulated

SECTION 15 REGULATORY INFORMATION

TSCA : All components of this product are listed or are exempt from listing on the TSCA 8(b) inventory. If identified components of this product are listed under the TSCA 12(b) Export Notification rule, they will be listed below.

TSCA 12(b) Component

SARA - Section 313 Emissions Reporting:

Component Summary:	Reporting Threshold

SARA - Section 311/312:

CERCLA Hazardous Substances and their Reportable Quantities:

Component Summary:	Reportable Quantity

California Prop. 65:
Proposition 65 requires manufacturers or distributors of consumer products into the State of California to provide a warning statement if the product contains ingredients for which the State has found to cause cancer, birth defects or other reproductive harm. If this product contains an ingredient listed by the State of California to cause cancer or reproductive toxicity it will be listed below.

SECTION 16 OTHER INFORMATION

DISCLAIMER OF RESPONSIBILITY : CAUTION DO NOT USE NUVEX MATERIALS IN APPLICATIONS INVOLVING IMPLANTATION WITHIN THE BODY; DIRECT OR INDIRECT CONTACT WITH THE BLOOD PATHWAY; CONTACT WITH BONE, TISSUE, TISSUE FLUID, OR BLOOD; OR PROLONGED CONTACT WITH MUCOUS MEMBRANES. NUVEX MATERIALS ARE NOT DESIGNED OR MANUFACTURED FOR USE IN IMPLANTATION IN THE HUMAN BODY OR IN CONTACT WITH INTERNAL BODY FLUIDS OR TISSUES. NUVEX WILL NOT PROVIDE TO CUSTOMERS MAKING DEVICES FOR SUCH APPLICATIONS ANY NOTICE, CERTIFICATION OR INFORMATION NECESSARY FOR SUCH MEDICAL DEVICE USE REQUIRED BY FDA REGULATION OR ANY OTHER STATUTE. NUVEX MAKES NO REPRESENTATION, PROMISE, EXPRESS WARRANTY OR IMPLIED WARRANTY CONCERNING THE SUITABILITY OF THESE MATERIALS FOR USE IN IMPLANTATION IN THE HUMAN BODY OR IN CONTACT WITH INTERNAL BODY TISSUES OR FLUIDS.

The information on this MSDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, expressed or implied, regarding its correctness. Some information presented and conclusions drawn herein are from sources other than direct test data on the substance itself. The conditions or methods of handling, storage, use and disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage, or expense arising out of or in any way connected with handling, storage, use, or disposal of this product. If the product is used as a component in another product, this MSDS information may not be applicable.

Latest Revision(s) : Conversion to SAP template.

END OF DOCUMENT