

MATERIAL SAFETY DATA SHEET**1. Identification**

Material: Styccobond F60

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2. Composition(a) Substances Posing a Health Hazard: - Toluene: CAS 108-88-3; OES 50 ppm, 8 hr TWA; 150 ppm, 15 min ref; Risk R11-R20; conc 30-35% w/w. M E K: CAS 78-93-3; OES 200 ppm, 8hr TWA; 300 ppm, 15 min ref; Risk R11-R36/37; conc <5% w/w.(b) Substances With Recognised Exposure Limit: - Acetone: CAS 67-64-1; OES 750 ppm, 8 hr TWA; 1500 ppm, 15 min ref; conc <5% w/w.(c) General Description: Solution of resins and elastomers in a blend of organic solvents with small percentage inert, inorganic materials.**3. Hazards Identification**Most Important Hazards to Man: - R20. Harmful by inhalation. Vapour irritant, may cause drowsiness, nausea, dizziness and other narcotic effects: Liquid acts as skin degreaser and may with frequent or prolonged contact cause dermatitis. Ingested liquid will cause irritation of digestive tract and may cause involuntary vomiting which may then be inhaled. Liquid and its vapours are irritant to eyes.Most Important Hazards to Environment: -Solvent contamination of drains and surface waters and land. VOC emissions to air. Potential fire and explosion hazard.**4. First Aid Measures**Inhalation: - Remove affected person to fresh air, keep warm and at rest. In the event of severe effects of exposure obtain immediate medical aid and apply appropriate first-aid techniques.Skin Contact: - Wash affected areas thoroughly with soap and water. Do not use solvents. Suitable proprietary skin cleansers may be used for difficult to remove adhesions, followed by wash with soap and water.Eye Contact: - Irrigate the eyes with water or suitable proprietary eyewash for at least fifteen minutes. Ensure product is flushed from under eyelids. Obtain medical attention.Ingestion: - Wash the mouth out with water, but do not swallow, then drink one or two pints of water. Do not induce vomiting. Obtain immediate medical attention.**5. Fire Fighting Measures**Extinguish with foam, CO₂ or dry powder appliances. Do not use water jets. Cool containers adjacent to the fire area with water spray. Fire-fighters must use self-contained breathing-air equipment to prevent inhalation of toxic smoke.**6. Accidental Release Measures**

Extinguish any naked flames or other sources or ignition. Avoid inhaling vapours. Evacuate non-essential personnel from the spill area. Absorb onto sand, earth or similar inert, inorganic material and consign to a suitable sealed, labelled container prior to disposal. If the material has contaminated drains or other waters, inform relevant authorities.

7. Handling and Storage

Store in a well-ventilated area at a temperature between 5°C and 30°C under conditions that comply with the requirements of the Petroleum (Mixtures) Order 1929, The Petroleum (Consolidation) Act 1928, and the Highly Flammable Liquids and Liquefied Petroleum Gases Regulations 1972. Keep containers tight-sealed and protect from mechanical damage. Store away from heat sources, any means of ignition and out of direct sunlight. A strict No-Smoking rule must be enforced. Notices to prohibit smoking and the use of naked lights should be posted. Free access to safe exits must be maintained. Suitable fire extinguishers should be kept on-hand. Store away from foodstuffs and oxidising agents. Maintain Toluene, Acetone and Methyl Ethyl Ketone in-air levels below the Occupational Exposure Limits. Keep containers tight-sealed when not in use and avoid breathing product vapours. Exercise particular care in low-lying or confined spaces to prevent creation of hazardous vapour/air mixtures. Avoid transfer of product from hand or glove to face, lips or eyes. Prohibit smoking and the use of naked lights at and adjacent to the work area. Do not smoke or approach a means of ignition if product contaminates clothing. Remove contaminated clothing and laundry before re-use. Employ good hygiene practises. Wash hands before food or beverage breaks and at the end of work periods. The preparation or consumption of food or drink in the work area should be prohibited.

8. Exposure Controls/Personal Protection

Use flame proof means of ventilation where natural ventilation facilities are inadequate, and/or use suitable RPE such as organic vapours filter or independent air supply. Where danger of splash or eye contact exists, wear goggles or face mask. If danger of skin contact exists, use suitable barrier cream or impervious gloves and any other necessary impervious protective clothing such as an apron etc.

9. Physical and Chemical Properties

Appearance: Brown, viscous liquid.
Odour: Typical organic solvent odour.
pH: Not applicable.
Volatiles: 74% w/w approx.
Rel Density: 0.85 - 0.89 @ 20°C approx.
Flashpoint: - 18°C approx.
Viscosity: 8000 - 10000 cps @ 20°C
Other:

10. Stability and Reactivity

Stable under normal conditions of handling, storage and use. Incompatible with oxidising agents. Product is highly flammable and when burning evolves noxious gases including oxides of carbon and hydrogen chloride. When heated to over 200°C, base polymers decompose to release hydrogen chloride gas.

11. Toxicological Information

Inhalation: - Prolonged exposure to concentrations of product vapours slightly in excess of Occupational Exposure Limits may cause dizziness, nausea, light-headedness and irritation of the respiratory tract. Higher concentrations of vapour cause drowsiness, headache, mental-confusion and other narcotic and anaesthetic effects.

Skin Contact: - Product has a de-fatting effect on skin and may cause the skin to crack, with risk of secondary infection and dermatitis.

Eye Contact: - Causes irritation and reddening of the eye. Causes corneal burns on prolonged contact or failure to irrigate the eye adequately.

Ingestion: - Causes irritation of the throat and alimentary tract, with possibility of nausea and involuntary vomiting. Vapours from the stomach may be inhaled and create similar hazards as for Inhalation.

12. Ecological Information

Solvent content may pose potential ecological hazard. Solid components are inert and resistant to biological degradation and unlikely to pose particular hazard to ecological systems once separated from the solvent fraction of the product.

13. Disposal Considerations

Dispose of product waste via licensed operators, ultimately to an approved landfill or incineration unit for organic solvents.

14. Transport Information

UN No. 1133: Packing Group III: IMDG 3.2. ADR; 3.5(C).

15. Regulatory Information

Classified Highly Flammable and Harmful. Risk Phrases: R11. Highly flammable. R20 Harmful by inhalation. Safety Phrases: S9. Keep container in a well ventilated place. S16. Keep away from sources of ignition - No Smoking. S23. Do not breathe vapour. S24/25. Avoid contact with skin and eyes. S29. Do not empty into drains. S33. Take precautionary measures against static discharges.

16. Other Information

(i) Stycobond F60. Product Data Sheet.