

FLAMEBAR

MATERIAL SAFETY DATA SHEET

Products: FLAMEBAR PE6, N5, S3, SIWA2, ACE 6 and DP.

1. IDENTIFICATION OF PRODUCT AND COMPANY

Product Description: Practically clear, water based flame retardant solution, used to provide improved fire safety on various materials.

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2. COMPOSITION / INFORMATION ON INGREDIENTS

Non Volatile: A mixture of water soluble organic and inorganic flame retardant compounds including salts of phosphorous and halogen.

Volatile: Water

3. HAZARDS IDENTIFICATION:

This health hazard assessment is based on a consideration of the composition of the product, and it is believed to be low hazard in normal conditions of use.

Splashes may cause eye irritation and irritate sensitive skin if exposure is prolonged.

4. FIRST AID MEASURES

Eye Contact : Wash out eye immediately with clean water for at least 10 minutes. Seek medical advice.

Skin Contact : Removed contaminated clothing. Wash skin with plenty of mild soap and water. Seek medical advice if any irritation persists.

Ingestion : Wash out mouth with plenty of water. If swallowed give plenty of water to drink and seek medical advice immediately.

Inhalation : Remove from exposure, to fresh air.

5. FIRE FIGHTING MEASURE

Not classed as flammable, but if involved in a fire it will decompose at high temperatures to emit limited quantities of toxic fumes which will assist in extinguishing the flames. Avoid breathing the products of combustion, and wear self contained breathing apparatus in the vicinity of the conflagration. Extinguishing media can be water spray, powder, foam, carbon dioxide, or pressurised gas extinguishers.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions : Avoid contact with eyes and skin. Wash off with water.

Environmental precautions : All spillages must be contained and collected. Do not release into drains and water courses.

Methods of cleaning : Absorb spillages in suitably absorbent material. Transfer to suitable container for disposal.

7. HANDLING AND STORAGE:

Apply proper industrial standards and wear suitable protective clothing. (See section 8).

7.1 Handling : Avoid prolonged and repeated skin contact. Do not take internally.

7.2 Storage : In suitable closed containers at normal room temperatures. Protect from frost.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Exposure Controls : None of the components has T.L.V./O.E.L. listed in the H.S.E. EH40, nor is mentioned in the CHIPS supply list of hazardous chemicals.

8.2 Personal Protection : Avoid eye contamination. Do not take internally. Avoid prolonged and repeated skin contact.

Eye : Yes. Wear goggles or safety spectacles.

Hand : Yes. Wear protective gloves.

Skin : Yes. Wear overalls.

Respiratory : Yes. When spraying, wear a mask.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : Almost clear liquid.
Viscosity : Water thin.
Solubility : Readily in water.
pH : Approximately 5/6.
Specific Gravity : 1.1 to 1.2
Odour : Slight and characteristic.
Flash Point : Not applicable.
Flammability : Not flammable.
Explosion Limit : Not applicable.
Thermal Decomposition : Above 110°C.

10. STABILITY AND REACTIVITY

Stability : Stable at normal room temperatures.

Conditions to avoid : Temperatures above 110°C and below freezing.

Materials to avoid : Oxidising agents, strong acids and alkalis. Some metals may be corroded and some polished surfaces may be stained.

Hazardous decomposition products : Ammonia, carbon monoxide, nitrogen oxides, phosphorus oxides, and halogen gases will be released at conflagration temperatures.

11. TOXICOLOGICAL INFORMATION

Effects of over exposure:-

Eye contact : May irritate.

Skin contact : May irritate on prolonged exposure.

Ingestion : Large doses may cause stomach upsets, abdominal pains, nausea, vomiting, falling asleep, muscular inco-ordination and respiratory depression.

Inhalation : Unlikely to be hazardous under normal conditions using a mask during spraying.

Long term : No documented evidence available, but see 16.

12. ECOLOGICAL INFORMATION:

Contains a mixture of water soluble, mainly non biodegradable chemicals, some of which may degrade water quality, but bioaccumulation is unlikely, because it is readily soluble in water.

13. DISPOSAL CONSIDERATIONS:

Dispose of contaminated product and any material used for cleaning up spillages, in a manner approved for this type of material. Review national, regional, and local government requirements prior to disposal, or seek guidance advice from local waste authority about the disposal route.

14. TRANSPORT INFORMATION non hazardous

UN No. : Not regulated.
IMDG code : Not regulated.
ADR / RID : Not regulated.
ICAO / IATA : Not regulated.

15. REGULATORY INFORMATION

Classification : Not classified as hazardous to users.

Risk Phrases : Not required on label.

Safety Phrases : Not required on label.

16. OTHER INFORMATION:

This product has been supplied by Flamebar Ltd. for many years, with no reported health problems. Use in accordance with the specific recommendation of the product technical data sheet.

The information contained in this document is intended to describe the product only in terms of health, safety and environmental requirements for the purposes of safe handling, use and disposal and is to the best of Flamebar's knowledge and belief correct. Flamebar will be pleased to give further advice and assistance, but customers must satisfy themselves, by appropriate testing if necessary, that the product is suitable for their purposes and conditions of use and that their facilities and arrangements are suitable for handling or using the product. Accordingly Flamebar disclaims any liability for loss, injury or damage which may result from the use of the product, this information or from such advice and assistance that is requested.

The information does not comprise a technical or performance specification for the product and customers are referred to any relevant product technical information issued by Flamebar Ltd.

This data sheet was prepared in accordance with Directive 91 / 155 /EEC