

FBX Ltd

MATERIAL SAFETY DATA SHEET - Ref: FBX / SDS / KOBWEB3

Product Name:- KOBWEB AEROSOL

1. IDENTIFICATION OF PRODUCT AND COMPANY

Product Description: A blend of solvents and resins which produces a cobweb effect when sprayed onto a supporting framework

Company: FBX Ltd: 3B Chestnut Estate, Bassingham Lincs., LN5 9LL
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2. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous Ingredients:

Ingredient	% wt	Classification
Halogenated Aliphatic Hydrocarbon	39 - 44	Xn. R20
1,1,1,2 - Tetrafluoroethane	40 - 45	Not Classified

The composition is a trade secret as defined by Chemical Hazard Information and Packaging (CHIP) regulations 1994 Schedule 6 and is withheld under exemption from UK Health and Safety Executive 06/25/97, Preparations Directive No. 88/379/EEC and Generic Terms Directive No. 92/214/EEC. Whilst the product contains substances encapsulated in the dangerous substances directive 67/548/EEC, given normal use with normal sensitivity and by following the guidelines in this data sheet the product should prove not to be harmful.

3. HAZARDS IDENTIFICATION:

Important Generally: Harmful by prolonged inhalation
Liable to abuse - see section 16.

Thermal decomposition giving toxic fumes and flammable gases

Eye Contact: Vapour may irritate eyes

Skin Contact: Prolonged contact may cause dryness or irritations.

Inhalations: Harmful and may cause adverse effect in liver, lung and kidneys at narcosis levels.
Irritating to respiratory tract in big concentrations.

Ingestion: Unlikely, but aspiration may cause rapid absorption via the lungs, resulting in injury to other body systems.

Pressure Injection: Injection will cause severe internal damage if not treated promptly.

4. FIRST AID MEASURES:

Eye Contact: Wash out immediately with copious amounts of clean water. In all cases of doubt or when symptoms persist seek medical aid.

Skin Contact: Remove contaminated clothing. Wash skin thoroughly with soap and water, or a proprietary skin cleanser.

Inhalations: Remove to fresh air and keep warm. If breathing is irregular or stopped, administer artificial respiration. If unconscious, place in the recovery position and seek medical advice.

Ingestion: If accidentally swallowed obtain immediate medical attention. Keep at rest. Do not induce vomiting..

Pressure Injection: Always obtain medical attention even though the injury may appear minor.

5. FIRE FIGHTING MEASURES:

Self contained breathing apparatus and a protective suit should be worn if the product has been exposed to fire conditions. Fire exposed containers should be sprayed with water to lessen the risk of explosion.

Specific Hazards: Temperatures above 120 Degrees C result in thermal decomposition giving the toxic irritating and corrosive fumes of hydrogen halides and carbon monoxide and phosphene gases.

Extinguishing Media: CDFM / CO2 / Foam or Dry Chemical Powder

6. ACCIDENTAL RELEASE MEASURES:

Exclude all sources of ignition and ventilate the area.

- Personal precautions** : Employ good ventilation. Use suitable vapour mask if any risk of extended exposure. Avoid contact with skin, eyes and inhalation of vapour
- Environmental precautions** : Should not be released into the environment. Do not let the product enter drains and water courses.
- Methods of cleaning** : Contain and collect liquid spillages with non combustible absorbent material, placing it in an inert, clearly labelled container and dispose of in accordance with local Waste Regulations.

7. HANDLING AND STORAGE:

Store in a temperate dry place, protected from frost. Exclude sources of heat , sparks and open flames.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION:

8.1 Exposure Controls

U.K. Occupational Exposure Limits EH 40 / 97

Ingredient	Long Term Exposure Limit (8 hours T.W.A.)	Short Term Exposure Limit (15 Minute Period)
Halogenated Aliphatic Hydrocarbon	100 p.p.m	not established.
1,1,1,2 Tetrafluoroethane	1000p.p.m.	non quoted

Occupational Exposure Limits (OEL) under review by U.S. EPA SNAP Program. ETI is recommending a Workplace Exposure Guideline of 100ppm Time Weighted Average (TWA) as an interim exposure guideline pending EPA's review of OEL. A recommendation of 200ppm has been obtained by an independent test laboratory and this assessment has been verified by Environment Canada's Environmental Technology Verification Program.

8.2 Personal Protection

Do not spray aerosol in the direction of eyes and body. Wear protective clothing as necessary. Avoid contact with skin and eyes and do not inhale the vapours. Do not smoke. Provide adequate ventilation by creating sufficient air changes to keep vapour levels within the U.K. Occupational Exposure Limits, or by using exhaust systems in working areas, or in the absence of these measures by wearing self contained breathing apparatus as necessary.

9. PHYSICAL AND CHEMICAL PROPERTIES:

- Appearance - Sprayed** : A whiteish Cobweb
- Appearance - Wet** : Clear and Blue Straw Colour
- Solubility - in water** : Almost insoluble
- Solubility - in Organic Solvents** : Soluble in some
- Odour** : Characteristic and strong
- Flash Point** : Under normal test conditions non-flammable
- Thermal Decomposition** : Above 120 Degrees C.
- Vapour Pressure** : Propellant - 5.7 bars at 20 Degrees C.

10. STABILITY AND REACTIVITY

- Stability** : Stable at normal room temperature
- Conditions to avoid** : Protect from moisture, frost, heat sources sparks and open flames
- Materials to avoid** : Strong Oxidising Agents
- Hazardous decomposition products** : At temperatures above 120 Degrees C., decomposes giving the toxic and corrosive fumes of hydrogen halides, carbon monoxide, carbon dioxide and phosgene.

11. TOXOLOGICAL INFORMATION

Effects of over exposure:-

Eye Contact	:	Irritates
Skin Contact	:	May irritate. Skin penetration is possible.
Ingestion	:	Unlikely, but in the event it could prove harmful and may cause gastrointestinal disturbance, nausea, vomiting or diarrhoea. Other effects seen under inhalation may occur due to aspiration.
Inhalation - prolonged and narcosis	:	Depression of the central nervous system, headache sleepiness. Possible loss of consciousness and cardiac disorders, aggravated by stress and lack of oxygen, with a risk of mortality. Formation of carboxy haemoglobin. May cause adverse effects in liver, lung and kidney at levels.

12. ECOLOGICAL INFORMATION

Does not contain any substance known to damage the ozone layer
Rapid evaporation rate.
Should not be allowed to enter drains or watercourses. Global warming potential almost zero.

13. DISPOSAL CONSIDERATIONS:

Aerosol containers should be buried. Do not puncture or burn even when empty.

14. TRANSPORT INFORMATION

UN No. : 1950 for Aerosols

15. REGULATORY INFORMATION

The product is classified and labelled for supply in accordance with the Chemicals, Hazard Information and Packaging Regulations.

Classification	:	Halogenated Aliphatic Hydrocarbon - Xn ; Harmful. 1,1,1,2 Tetrafluoroethane - not classified
Risk Phrases	:	R20 - Harmful by inhalation.
Safety Phrases	:	S2 - Keep out of reach of children. S9 - Keep container in a well ventilated place. S16 - Keep away from sources of ignition. No smoking. S23 - Do not breathe spray / vapour S24/25 - Avoid contact with skin and eyes S36/37 - Wear suitable protective clothing/gloves S51 - Use only in well ventilated areas S38 - In case of insufficient ventilation, wear suitable respiratory equipment.

16. OTHER INFORMATION:

Care should be taken to ensure that only authorised users can obtain the aerosol/product.

Inhalation should be avoided as vapour has narcotic effect and can be significantly aggravated when alcohol is present in the blood stream which can lead to fatal liver and kidney failure. Prolonged inhalation could cause cephalgia, drowsiness, cardiovascular troubles at high concentration levels, lesions of the liver are also possible.

The information contained in this document is intended to describe the product only in terms of health, safety and environmental requirements for the purpose of safe handling, use and disposal and is to the best of FBX's knowledge and belief correct. FBX 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, FBX disclaims any liability for loss, injury or damage which may result from the use of the product, or this information FBX give no warranty as to the fitness of the product for any particular purpose.

The information does not comprise a technical or performance specification for the product.