

IMEB INC.

170 Vallecitos De Oro
San Marcos, CA 92069
800-543-8496

Material Safety Data Sheet

according to 91/155/EEC

1. Identification of the substance/preparation and of the company

Trade name
SHUR-FIXX

Emergency telephone
IMEB 800-543-8496

2. Composition/Information on ingredients

Ingredients

	CAS no.	Classification	Exposure limits
Glyoxal	107-22-2	X1; R36/38	-
Ethanol 64-17-5	F; RI 1	1900 mg/m3	
Acetic acid	64-19-7	RIO C; R35	25 mg/m3
Methanol 260 mg/m3	67-56-1	F; RI I T; R23/25	

3. Hazards identification Particular information pertaining specific risk for human and environment: Irritant solution with organic solvents.

4. First-aid measures

General

If any symptoms occur, seek medical advice. Show this Safety Data Sheet to a physician or emergency ward.

Eye contact

Flush with water or physiological salt water for 15 minutes. Remember to remove contact lenses. If irritation persists, seek medical advice. Continue flushing on the way.

Skin contact

Remove contaminated clothing and wash skin with water and mild soap. Flush 15 minutes with water. Rub the skin with a hand lotion.

Inhalation

Remove to fresh air. Keep at rest. If symptoms persists, seek medical advice.

Ingestion

Rinse mouth and drink plenty water. Do not provoke vomiting. If vomiting occurs, bend over and keep head down to avoid vomit in the lungs.

Burns

Flush with water until pain ceases.

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5. Fire-righting measures

Flammability

Combustible liquid.

Extinguishing media - suitable

Use water, carbon dioxide, dry chemical or alcohol type foam.

Extinguishing media - NOT suitable

Special risks in a fire situation

Application of water fog/spray will aid in keeping fire-exposed materials cool. In case of fire the product may form hazardous decomposition products such as oxides of carbon.

Protective equipment

When extinguishing fires use self-contained breathing apparatus.

Additional information

Remove containers if possible.

6. Accidental release measures

Personal precautions

Provide for sufficient ventilation/respiratory protection. See protective equipment listed in section 8.

Remove sources of ignition.

Environmental precautions

If the product contaminates lakes, rivers or sewages, inform appropriate authorities in accordance with local regulations.

Methods for cleaning up/collecting

Sweep up with an absorbent material. Flush with water.

7. Handling and storage

Safe handling

There shall be access to water and eye wash fountain. Wash with water and soap after work.

Safe storage

Store at room temperature and well ventilated and away from strong oxidizers. Keep container tightly closed when not in use. Store in a flammable liquid storage area (flash point: 66°C).

8. Exposure controls and personal protection Engineering measures (prevention of worker exposure) Avoid breathing of vapors and contact with skin, eyes and clothes. Provide adequate ventilation.

Exposure limits: See section 2.

Personal protective equipment

Eye protection:	Wear safety goggles when risk of splashing.
Skin protection:	Use gloves of butyl rubber or 4H.
Respiratory protection:	In case of badly ventilated areas use an approved mask with a gas filter: A when risk of inhaling vapours.

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9. Physical and chemical properties

Appearance:	Clear, colourless to very slightly pale yellow liquid
Odour:	Mild acetic/alcoholic
PH:	3.50-4.25
Boiling point (°C):	85 - 104
Flash point (°C):	66 (closed cup)
Density g/ml at 19°C:	1.134
Vapor density (air=1):	-
Solubility in water:	Complete
Solubility other solvents:	-

10. Stability and reactivity

Stability

Vapors can be ignited by a spark, a hot surface or a glow. Vapors are heavier than air and can travel along the ground to an ignition source and flash back to vapor source.

Conditions to avoid

Sources of ignition, such as heat, sparks, and flames.

Materials to avoid

Strong oxidizing agents.

Hazardous decomposition products

Combustion may produce oxides of carbon.

11. Toxicological information Routes of exposure May be absorbed through skin, by inhalation and ingestion.

Acute toxicity:

Eyes	Irritation with redness and vapours cause a blurred vision.
Skin	Irritation with redness. Methanol can be absorbed through skin and prolonged or repeated exposure cause toxic effects (see inhalation).
Inhalation	Inhalation of vapors in high concentrations may irritate mucous membranes and induce headache, nausea, vomiting and dizziness.
Ingestion	May result in vomiting, nausea, headache, dizziness and intoxication.

Long term toxicity:

Prolonged or frequent exposure to vapors of VOC's may result in damage to liver, kidneys, blood or central nervous system (brain damage) and damage to the optical nerve. Excreted in breast milk.

Additional toxicological information

The product was classified in toxicological terms on the basis of the results of the calculation procedure outlined within General directive on Preparations (88/379/EEC).

12. Ecological information

Glyoxal is readily biological biodegradable. For glyoxal: LC50 : 460-680 mg/l (goldfish, 96 hr)

EC50 -.404 mg/l (daphnia magna, 48 hr); IC50 -. > 500 mg/l (algae, 96 hr).

13. Disposal considerations

Disposal should be according to local, state or national legislation. Dispose of through authority facilities or pass to chemical disposal company.

EWC-code: 160503

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14. **Transport information**

The product is not considered as hazardous according to any transportation regulation.

15. **Regulatory information**

Classification according to EEC directives

Danger symbol and danger designation: Irritant

Contains: Glyoxal

Risk-phrases: R 36/38: Irritating to eyes and skin.

Safety-phrases: S 26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

EINECS no.:

National regulations:

16. **Other information**

Use

For research and analysis.

Restriction on application

Requirements concerning special training

No special training is anticipated, however, the user should be well instructed for the execution of his task, have knowledge of this Safety Data Sheet and normal training in the use of personal protective equipment.

Edition no.: 01 (Revision) Date: 03/31/98 Changes in section(s):

Devised 7-7-2000