

SAFETY DATA SHEET SOMPLEX FATSOLVE

1. IDENTIFICATION OF CHEMICAL

Chemical name: SOMPLEX FATSOLVE

2. COMPOSITION

<u>Ingredient:</u>	<u>CAS No.</u>	<u>R No.</u>	<u>Conc. Range</u>
Disodium metasilicate	6834-92-0	R34-37	1-5%
Sodium hydroxide	1310-73-2	R35	1-5%

3. HAZARD IDENTIFICATION

Human: If ingested may burn the mouth and upper digestive tract. Contact with the eyes can cause severe irritation. If not washed out promptly, will injure the eye tissue and permanent damage may result. May burn the skin if not washed off without delay. Unlikely to cause damage to internal organs following skin contact. Inhalation of the spray may cause significant irritation of the nose and upper respiratory tract.

Safety: Not classified as "Dangerous" according to the criteria for safety.

Ecological: Readily biodegradable so unlikely to accumulate in the aquatic environment. Discharge of large quantities into the aquatic environment may kill fish and other aquatic organisms.

4. FIRST-AID MEASURES

Skin contact: In case of skin contact immediately remove contaminated clothing and wash affected area thoroughly with soap and water. Seek medical attention if skin appears damaged. Launder clothing before use.

Eye contact: In case of eye contact, immediately wash out the eye for at least 15 minutes holding the eye open. Seek medical attention urgently.

Ingestion: If the chemical has been confined to the mouth, give large quantities of water as a mouth wash. Ensure the mouth wash is not swallowed. If the chemical has been swallowed, give about 250ml water to dilute it in the stomach. In severe cases seek medical attention.

Inhalation: Remove the casualty out of the danger area after first ensuring your own safety. Loosen the patient's clothing. If the casualty is unconscious, place in the recovery position and monitor breathing. Apply artificial respiration only if patient is not breathing. Seek medical attention when anyone has symptoms apparently due to swallowing or inhalation.

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5. FIRE-FIGHTING MEASURES

Exposure hazards: Fumes containing carbon dioxide and carbon monoxide may be formed in large fires. In case of fire, self-contained breathing apparatus should be worn.

Suitable extinguisher: Extinguish fire using powder, foam, sand or water spray. The product is unlikely to support combustion due to its water content. Avoid using large quantities of water.

6. ACCIDENTAL RELEASE MEASURES

Personal protection: Wear impervious gloves/overalls and eye protection.

Leaks & spills: Contain and collect spillage. Absorb on to sand/kieselguhr or other inert material. Failure to contain a release must be notified to the local authority.

Clean-up procedures: May make floor very slippery. Do not wash into drains. Place in plastic barrels for disposal. Do not mix with other waste materials. Dispose of in accordance with state and local authority regulations. Seek advice from the local waste authority.

7. HANDLING AND STORAGE

Handling requirements: Wear impervious gloves/overalls and eye protection.

Storage precautions: Store in plastic, plastic lined or stainless steel, tightly closed containers at between 5 and 40°C. Protect from frost. Do not close to strong oxidising agents which could aggravate any fire situation. Do not store close to acids. Use in a well ventilated area.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Avoid contact with eyes, skin or clothes, do not inhale the spray. Working procedures should be designed to minimise worker exposure to this product. Where this is not possible the following personal protective equipment should be worn.

Hand protection: Impervious gloves must be worn.

Skin protection: Protective overalls and shoes/boots must be worn.

Eye protection: Safety face shield must be worn.

Respiratory protection: When spraying adequate protection must be worn.

All personal protective equipment must comply with the appropriate EEC (CE) standards and should be maintained and stored to ensure continued suitability for use. Workers should be trained in the effective use and maintenance of the personal protective equipment provided.

Occupational Exposure Limits:

Sodium hydroxide OES 10 min. STEL 2 mg/m³ EH40/94

9. PHYSICAL AND CHEMICALS PROPERTIES

Appearance: A slightly viscous clear pale yellow liquid.

Odour: A characteristic odour.

pH: Approx. 13 @ 20°C. as supplied
Approx. 11 @ 20°C. as 10 g/l in water.

Relative density: Approx. 1.08 g/ml @ 20°C.

Solubility in water: Soluble.

10. STABILITY AND REACTIVITY

May react exothermically with acids. May react with strong oxidants. Decomposition can occur above 100°C after loss of any volatile components.

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11. TOXICOLOGY INFORMATION

Health effect: Skin: May burn the skin after prolonged contact.
Eyes: May cause severe, possibly permanent eye damage.
Inhalation: May cause significant irritation of the nose and upper respiratory tract.
Ingestion: Harmful if swallowed. May burn the mouth and upper digestive tract.

12. ECOLOGICAL EFFECTS

This product is readily biodegradable. Do not release into surface water.

13. DISPOSAL CONSIDERATIONS

Waste disposal: When disposing of waste or surplus material avoid contact with the eye and skin. Impervious gloves/overalls, a face shield and adequate respiratory protection must be worn. Do not wash into drains. Do not mix with other waste materials. Seek advice from the local waste authority.

14. TRANSPORT INFORMATION

IMDG code
UN no: 1719

15. REGULATORY INFORMATION

Classification: Corrosive
Risk phrases: R34: Causes burns.
Safety phrases: S24/25: Avoid contact with skin and eyes.
S23: Do not breathe spray
S36/37/39: Wear suitable protective clothing, suitable gloves and eye/face protection.
S28: After contact with the skin, wash immediately with plenty of soap and water.
S26: In case of contact with eyes, rinse immediately with plenty of water. Seek medical advice.
S45: In case of accident or if you feel unwell seek medical advice immediately (show the label where possible).
S51: Use only in well ventilated areas.

Chemicals to be reported on the label
Disodium metasilicate
Sodium hydroxide

16. ADDITIONAL INFORMATION

Legal disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. Chemical Treatment Services Ltd shall not be held liable for any damage resulting from handling or from contact with the above product.