

MASTERSOLVE

Safety Data Sheet

1. Description of Product

Low Foam substance.

2. Composition / Information on Ingredients

2.1 Composition and classification of potentially hazardous components.

Component	Concentration Range	Classification
2-Butoxyethanol Cas. No. 111-76-2	Approx. 10%	None (harmful above 12.5%)
Sodium metasilicate Cas. No. 6834-92-0	Approx. 2%	Irritant

2.2 Occupational Exposure Limits:

2-Butoxyethanol Occupational Exposure Limited 123 mg/m³ 8 hour TWA Sk
Sk – can be absorbed through skin
From HSE Doc. EH 40/2002.

3. Hazards Identification /Ingredient(s)

This preparation is classified as IRRITANT and the following risk and safety phrases apply:
R36/38- irritating to eyes and skin
S24/25- avoid contact with the skin and eyes

4. First Aid Measures

- 4.1 Skin contact: remove contaminated clothing and wash the affected skin with clean running water for at least 15 minutes. If symptoms persist seek medical advice.
- 4.2 Eye contact: wash the affected eye with clean running water for at least 15 minutes. Seek medical advice.
- 4.3 Swallowing: (ingestion): if material is accidentally swallowed, do not make patient vomit, seek medical advice. This information should be taken with the patient when seeking medical advice.
- 4.4 Inhalation: move patient to fresh air. If patient is unconscious, place in the recovery position and seek medical help immediately

5. Fire Fighting Measures

Use dry powder or foam extinguishers only.

6. Accidental Release Measures

- 6.1 Spillages should be contained with a non-combustible adsorbent material and collected for disposal in accordance with the local regulations.
- 6.2 Spillages should not be allowed to run to surface waters.

7. Handling & Storage

- 7.1 Protect from freezing and temperatures above 50C.
- 7.2 Store away from sources of heat or ignition. All chemical preparations should be stored securely where they cannot be interfered with or used by unauthorised persons.

8. Exposure Controls & Personal Protection

- 8.1 As with any solvent containing product, prolonged exposure of the skin may cause irritation and dermatitis. Rubber or latex gloves SHOULD be used to protect the hands during use and suitable work-wear or overalls should be used to protect clothing and skin.
- 8.2 As with all cleansing products, approved eye protection should be used when handling this material.

8.3 Use only in well ventilated areas, if the OES is likely to be exceeded an approved respirator should be used.

9. Physical & Chemical Properties

9.1 Appearance:	Clear yellow liquid	9.2 Odour:	Lemon
9.3 pH:	Approx. 12	9.4 Boiling point/range:	100C
9.5 Melting point/range:	Not applicable	9.6 Flash point:	Above 67C
9.7 Flammability:	Not applicable	9.8 Auto flammability:	230 deg. C
9.9 Explosive properties:	Not applicable	9.10 Oxidising properties:	None
9.11 Vapour pressure:	Not known	9.12 Relative density:	1.02
9.13 Solubility:	Fully water soluble	9.14 Partition coefficient:	n-octanol/water / not determined

10. Stability & Reactivity

This preparation is generally stable.

11. Toxicological Information

- 11.1 The product is of moderate general toxicity.
- 11.2 This preparation may cause irritation to the eyes and mucous membranes. As with all containing based preparations it may be irritant to the skin. Any person with a history of skin sensitisation should take extra care when handling this preparation. Reducing the periods of skin exposure to any substance or preparation will reduce the risk of sensitisation or other irritation occurring.
- 11.3 If exposure levels cannot be directly measured a Biological Monitoring Guidance Value (BMGV) has been set for 2-Butoxyethanol of 240 mmol butoxyacetic acid/mol creatine in urine, the sample to be taken post shift.

12. Ecological Information

- 12.1 No data available.
- 12.2 The exact ecological effects of this product are unknown but the solvent present is likely to be a marine pollutant.

13. Disposal Considerations

- 13.1 All waste produced by industry or commerce is subject to the Duty of Care of Waste Regulations.
- 13.2 This product is classified as Special Waste and should be disposed of in accordance with the Special Waste Regulations.

14. Transport Considerations

Not classified as dangerous goods under CDGCPL2.

15. Regulatory Information

- 15.1 This preparation is classified as IRRITANT and labels for this preparation must carry a HARMFUL symbol with the word "Irritant" and the following risk and safety phrases.
Contains: Sodium Metasilicate EEC No. 229-912-9.
R36/38- : Irritating to eyes and skin
S24/25- : Avoid contact with the skin and eyes.
- 15.2 This substance is classified as a substance hazardous to health within the definition given in Regulation 2 of the COSHH Regulations. An assessment of the risks to health caused by the use of this substance and the other requirements of the COSHH regulations must therefore be made by any employer or self employed person using this preparation at work.

16. Other Information

No other safety information is applicable to the use of this preparation for its intended purpose.