

MATERIAL SAFETY DATA SHEET



Description: SAF MISO	Revision Number: 03
Document Number: MSDS M004	

A POWERFUL ACID BASED BRICK CLEANER / MORTAR REMOVER

GENERAL

SAF-MISO is a blend of powerful cleaning acids and sequestering agents suitable for cleaning bricks and removing concrete deposits from surfaces, such as building equipment, vehicles and concrete mixers etc.

FORMULATION

SAF-MISO is based on a selection of non-ionic surfactants, powerful acids and sequestering agents.

PRODUCT DESCRIPTION

TEST	UNIT	SPECIFICATIONS
Appearance		Clear light yellow liquid
Density	g/cm ³	1,10 - 1,20
Flash point		Nil
Acidity	cm 1N KOH/cm ³	9,0 - 10,1

PROPERTIES

- * Highly concentrated
- * Contains powerful cleaning agents
- * Contains wetting agents to ensure proper rinse-off from surfaces
- * Will remove oil from bricks and concrete

Dilute concentrated product up to 1:5.

Spray, brush or pour SAF-MISO onto the affected areas.

Allow sufficient time for reaction to take place and foaming action on top of this mortar to stop.

Wash off with excess water.

WARNING

Contains acids - use protective clothing - gloves, eye protection and mask when using SAF-MISO.

THE RECOMMENDATIONS CONTAINED HERE-IN ARE BASED ON LABORATORY TESTS AND INFIELD USE EXPERIENCE AND ARE TO THE BEST OF OUR KNOWLEDGE ACCURATE. SINCE TERMS AND CONDITIONS OF ACTUAL USE ARE BEYOND OUR CONTROL, ALL RECOMMENDATIONS ARE MADE WITHOUT WARRANTY, EXPRESS OR IMPLIED.

Prepared by: Sabelo Dladla
Reviewed by: Doug Cutter
Status: Issued

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Company Details

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1. Product Identification

Trade Name	SAF-MISO	Product code: M004
Chemical Family	Acid, non-ionic surfactant, sequestering agent	
Chemical Name	Formulated chemical	
Product Use	Brick cleaner, mortar remover	
UN No:	1789	

2. Composition

CAS No.	Hazardous Components	Approximate %	OSHA PEL
7647-01-0	Hydrochloric acid 30%	>80	CL 5 ppm
EEC classification	Corrosive (C), SAF - MISO		
R Phrases	R34/36/37/38, SAF - MISO		

3. Hazards Identification

Main hazard	HIGHLY CORROSIVE MATERIAL
Inhalation	Irritation of mucous membranes and respiratory tract.
Skin contact	Tingling, burning, redness, avoid skin contact at all times.
Eye contact	Burning may result in permanent serious damage to vision.
Ingestion	Nausea, vomiting, burning of throat, stomach.

4. First Aid Measures

Inhalation	Move patient to fresh air and allow them some water
Skin contact	Immediately remove contaminated clothing/excess product and rinse area well with water. Consult a doctor (in case of continued discomfort, redness, irritation)
Eye contact	Flush eyes with water for at least 15 minutes. Irrigate eyes thoroughly while lifting eyelids and rolling eyeballs. Even if there is no pain, seek medical attention as delayed damage may occur.
Ingestion	Rinse mouth with water, and allow patient as much water as possible. Do not induce vomiting, as this may cause further injury. Seek medical attention.

5. Fire Fighting Measures

Extinguishing media	Product non-flammable. Use extinguishing agents suitable for surrounding fire.
Special hazard	Product will generate heat in contact with water.

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Protective clothing	Approved self contained breathing apparatus should be utilised or equivalent equipment.
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6. Accidental Release Measures

Personal precautions	The material is highly corrosive avoid contact with any tissue at all times.
Environmental precautions	As per good environmental management practices, prevent contamination of watercourses or ground with large quantities of undiluted product
Small spills	Neutralise with SAF – EA NUETRALISER and flush residue with plenty of water.
Large spills	Dyke ahead of liquid spill. Prevent the discharge of large amounts of concentrated product into sewerage, and watercourses. Neutralise with SAF – EA NUETRALISER and dispose small quantities to effluent with plenty water.

7. Handling & Storage

Storage	Store in a cool dry area. Keep containers sealed. Fumes may cause corrosion to ferrous metals, ensure adequate ventilation.
Handling	Handle with care – wear protective clothing & equipment, when diluting the product should always be added slowly to water.

8. Exposure Controls/Personal Protection

Workers should have access to an eye wash fountain.

HANDLE PRODUCT WITH CARE AT ALL TIMES.

- A) The below RESPIRATORY KIT is manufactured by 3M and is suitable for use on this product
- 1) Full Face Respirators – 3M6800 – where product splashing is possible
 - 2) Half mask – 3M6300 – where product splashing is unlikely
 - 3) Combination Cartridge Type: ABEK1 – 3M6059
 - 4) Pre – filter N95 – 3M5N11
 - 5) Retainer – 3M501
 - 6) Note as soon as one experiences difficulty in breathing when wearing a mask, a NEW cartridge (same as the replaced one) and pre-filter is required. ADEQUATE VENTILATION IS HIGHLY RECOMMENDED AT ALL TIMES EVEN WHEN USING THE ABOVE RESPIRATORY KIT.
- B) NEOPRENE gloves (Technic 420 supplier – MSA) must be used when handling SAF – MISO.
C) Safety shoes and overalls are recommended when handling this product.

16. Other Information

References: SABS 0265: 1999, SABS 0228 : 1999, SABS ISO 11014-1: 1994, M.S.D.S. (Suppliers of raw's)

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EMERGENCY NUMBERS: 011 406 4000 / 082 412 2298

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The information in this MSDS is based on current knowledge and experience at the date of publication. This MSDS summarises our best knowledge of the health and safety hazard information of the product and is intended only as a guide to the appropriate precautionary handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification of the product. The data relates only to the specific product designated, and does not relate to use of the product in combination with any other material or use of the product in any process. The data is not intended to constitute performance information concerning the product. No express warranty, or implied warranty of merchantability for fitness for a particular purpose is made with respect to the product, its composition, its safety or the information contained in this MSDS sheet.

APPENDIX A

Revision Date (dd/mm/yy)	Issued By	Revision History		Revision No.
		Description	DCN No.	
18/02/2011	Technical Manager	New Issue	MSDS M004	00
20/05/2013	Technical Manager	Document review and change of Company logo.	MSDS M004	01
19/07/2013	Technical Manager	Inclusion of dilution ratio	MSDS M004	02
22/03/2017	Operations Director	Document review	MSDS M004	03

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