

MATERIAL SAFETY DATA SHEET

Description: SAF HEAVY PREMIX Revision Number: 02

Document Number: MSDS H002



PREMIXED HEAVY DUTY SOLVENT BASED DEGREASER

GENERAL

SAF-HEAVY PREMIX eliminates the time consuming effort of having to dilute a concentrate. This powerful premixed blend of aromatic solvents is very effective in the removal of heavy grease, oil and tar.

FORMULATION

SAF-HEAVY PREMIX is a stable emulsion formed from a blend of detergents and solvents selected for best degreasing results.

PRODUCT DESCRIPTION

TEST	UNIT	SPECIFICATION
Appearance		Clear blue liquid
Density	g/cm ³	0,85 - 0,90
Flash point	°C	45°C
pH of emulsion (5% v/v)		7,0 - 8,0
Emulsifiability (5 % v/v)	%	10 – 13 % separation after 1 hour

PROPERTIES

- Premixed – ready to use
- Powerful grease cutting properties
- Cleans without a need for agitation
- Contains emulsifiers for easy and total rinsability
- Leaves no oily film

APPLICATION

- SAF-HEAVY PREMIX can be applied by means of spraying, brushing or dip application
- Leave for a few minutes to allow penetration and hose off with water
- Avoid application on high gloss paint, where the use of SAF-LIGHT is recommended
- SAF-HEAVY PREMIX should not be used through steam or pressure washers

Prepared by: Sabelo Dladla

Reviewed by: Doug Cutter

Status: Issued

Approved by: Doug Cutter

Revision Date: 17 February 2017

Issue Date: 17 February 2017

It is the responsibility of the user to verify that this copy is the latest version.

MATERIAL SAFETY DATA SHEET

Description: SAF HEAVY PREMIX

Revision Number: 02

Document Number: MSDS H002



THE RECOMMENDATIONS CONTAINED HERE-IN IS 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.

CONTROLLED DOCUMENT

Prepared by: Sabelo Dladla

Reviewed by: Doug Cutter

Status: Issued

Approved by: Doug Cutter

Revision Date: 17 February 2017

Issue Date: 17 February 2017

It is the responsibility of the user to verify that this copy is the latest version.

MATERIAL SAFETY DATA SHEET

Description: SAF HEAVY PREMIX Revision Number: 02

Document Number: MSDS H002



Company Details

Name	S.A.F.I.C (PTY) LTD	Tel:	+27 11 406 4000
Address	32 Steele street, Steeledale, JHB	Fax:	+27 11 406 4252
Postal Address	PO BOX 1754, Alberton North, 1450	e-mail:	technical@safic.co.za

1. Product Identification

Trade Name	SAF-HEAVY PREMIX	Product:	H002
Chemical Family	Aromatic solvents, anionic & non-ionic surfactants		
Chemical Name	Formulated chemical		
Product Use	Removal of heavy grease and oil		
UN Number	1268 (Flammable liquid)		

2. Composition

CAS No.	Hazardous Components	Approximate %	Limit
64742-95-6	Light aromatic petroleum solvent	>80	TLV 100 ppm
64742-88-7	Medium aliphatic petroleum solvent	<10	
EEC classification	Flammable, SAF- HEAVY PREMIX		
R Phrases	R10, R22, R38, R52/53, SAF – HEAVY PREMIX		

3. Hazards Identification

Main hazard	Flammable, use away from ignition sources	Flash Point	41 °C
Inhalation	Symptoms: Respiratory irritation, dizziness, nausea, unconsciousness		
Skin contact	Symptoms: Prolonged or frequent contact may lead to defatting of skin resulting in irritation and dermatitis.		
Eye contact	Symptoms: Irritation of eye, burning		
Ingestion	Symptom: Nausea, vomiting & serious damage to lungs.		

4. First Aid Measures

Inhalation	Remove patients to fresh air. Seek medical attention if symptoms occur.
Skin contact	Remove contaminated clothing and launder clothing before re-use. Wash contact areas well with soap and water.
Eye contact	Flush eyes with water for at least 15 minutes. Irrigate eyes thoroughly while lifting eyelids and rolling eyeballs. Seek medical attention, if irritation persists.
Ingestion	Do not induce vomiting. Rinse mouth with water, and allow patient 1 or 2 glasses of water. Obtain medical attention.
Note to doctors	If aspirated into the lungs, product may result in chemical pneumonitis. Treat appropriately.

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

Approved by: Doug Cutter
Revision Date: 17 February 2017
Issue Date: 17 February 2017

It is the responsibility of the user to verify that this copy is the latest version.

MATERIAL SAFETY DATA SHEET



Description: SAF HEAVY PREMIX Revision Number: 02

Document Number: MSDS H002

5. Fire Fighting Measures

Extinguish with carbon dioxide (CO ₂), dry powder, foam, or water fog.	
Prevent runoff from fire control or dilution from entering streams, sewers, or drinking water supply.	
Special hazard	Do not smoke or use at elevated temperature.
Protective clothing	Approved self contained breathing apparatus should be utilised or equivalent.

6. Accidental Release Measures

Small spills	Remove excess with absorbent material and dispose of in accordance with current laws and regulations.
Large spills	Notify appropriate authorities. Prevent discharge of product into sewers, and water courses as this product can be harmful to aquatic environment.

7. Handling & Storage

Storage	Store in a cool dry area. Keep containers sealed. Store away from sparks, and sources of ignition.
Handling	Avoid prolonged repeated skin contact, wear suitable gloves.

8. Exposure Controls/Personal Protection

Workers should have access to an eye wash fountain.	
If the specific application may result in splashing, safety goggles (VNC11 – supplier – MSA) should be supplied.	
If prolonged or frequent contact is expected, NITRILE gloves (Ultranitril 492 – supplier – MSA) should be utilised	
Handle in a well ventilated area, or 6300 respiratory/6059 cartridge (3M – supplier) should be utilised if ventilation is not adequate.	

9. Physical and Chemical Properties

Appearance	Clear blue liquid
pH	7.0 – 8.5 (5%)
Density	0.89 – 0.91 g/cm ³
Emulsifiability	2 – 3% separation after 1 hour
Solubility (water)	Emulsifies

10. Stability and Reactivity

Stability	Stable under normal conditions.
Incompatible materials	Strong oxidizers, excessive heat.
Hazardous decomposition products	Carbon monoxide and other toxic fumes.

11. Toxicological Information (based on aliphatic/aromatic petroleum blend)

Toxicity	Acute oral : LD50 > 2000 mg/kg, rat
----------	-------------------------------------

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

Approved by: Doug Cutter
Revision Date: 17 February 2017
Issue Date: 17 February 2017

It is the responsibility of the user to verify that this copy is the latest version.

MATERIAL SAFETY DATA SHEET

Description: SAF HEAVY PREMIX

Revision Number: 02

Document Number: MSDS H002



Skin & eye contact	Dermal, LD ₅₀ (rabbits) > 2000 mg/kg, based on similar products and/or the components. Dermal, practically non-toxic.
Carcinogenicity	No evidence of carcinogenic properties
Mutagenicity	No evidence of mutagenic effects
Teratogenicity	No evidence of teratogenic effects
Reproductive hazard	Not expected to impair fertility.

12. Ecological Information (based on aliphatic/aromatic petroleum blend)

Aquatic toxicity – rainbow trout	IC50 < or = 10 mg/l Harmful to aquatic organisms
Aquatic toxicity – daphnia	IC50 < or = 10 mg/l Harmful to aquatic organisms
Aquatic toxicity - algae	IC50 < or = 10 mg/l Harmful to aquatic organisms
Biodegradability	The product is inherently biodegradable
Bio accumulation	No evidence of bioaccumulation
Mobility	Spillages may penetrate the soil to cause ground water contamination.

13. Disposal Considerations

May be incinerated. Note local restrictions.	
Prevent the discharge of large amounts of concentrated product into sewerage, and water courses.	
Disposal of packaging	Empty containers may contain product residue, including flammable or explosive vapours. Do not cut, puncture or weld on or near container.

14. Transport Information

UN Number	1268
Substance identity no	H002
ADR/RID class	Class 3: Flammable liquid
IMDG – packaging group	III
Marine Pollutant	Harmful to aquatic organisms
IMO/IMDG Classification	IMDG Class 3 Flammable liquid
IATA Classification	Class 3 Flammable liquid

15. Regulatory Information

EEC-Hazard classification	Flammable (F)
Risk phrases	R10, R22, R38, R52/R53
Safety phrases	S23, S23, S43, S61/62

16. Other Information

References : SABS 0265: 1999, SABS 0228: 1995, SABS ISO 11014-1:1994, M.S.D.S.(Suppliers of raw's)
--

Prepared by: Sabelo Dladla

Reviewed by: Doug Cutter

Status: Issued

Approved by: Doug Cutter

Revision Date: 17 February 2017

Issue Date: 17 February 2017

It is the responsibility of the user to verify that this copy is the latest version.

MATERIAL SAFETY DATA SHEET



Description: SAF HEAVY PREMIX **Revision Number:** 02
Document Number: MSDS H002

Issued by: Sabelo Dladla
EMERGENCY NUMBERS: 011 406 4000 / 082 412 2298

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.

APPENDIX A

Revision Date (dd/mm/yy)	Issued By	Revision History		Revision No.
		Description	DCN No.	
18/02/2011	Technical Manager	New Issue	MSDS H002	00
20/05/2013	Technical Manager	Document review and change of Company logo.	MSDS H002	01
17/02/2017	Operations Director	Document review	MSDS H002	02

Prepared by: Sabelo Dladla **Approved by:** Doug Cutter
Reviewed by: Doug Cutter **Revision Date:** 17 February 2017
Status: Issued **Issue Date:** 17 February 2017

It is the responsibility of the user to verify that this copy is the latest version.