



HEALTH AND HYGIENE Safety Data Sheet

Product: F919SC Biofilm Remover and Heavy Duty Degreaser

Revision Date: 7 December 2015

Revision Number: 002

Print date: 11 December 2015

NOTE: To further assist with the interpretation of the MSDS, explanatory notes have been added in italics

SECTION 1: Identification of the substance/mixture and of the company/undertaking

Product identifier

Product Name: F919SC Biofilm remover and heavy duty degreaser

Relevant identified uses of the substance or mixture and uses advised against

F919SC Biofilm remover and heavy duty degreaser is used for the removal of heavy soiling and biofilm from hard surfaces and equipment

Details of the supplier of the safety data sheet

Company name: Health and Hygiene (Pty) Ltd

Full address: PO Box 906, Florida Hills 1716, South Africa.

Telephone number: +27 11 474-1668

E-mail address of competent person responsible for the SDS: info@healthandhygiene.co.za

Emergency telephone number

Emergency telephone number: +27 11 474-1668

Hours of operation: 8:00am to 4:30pm

Service is provided in the following language: English

SECTION 2: Hazards identification (refers to the F919SC Biofilm remover and heavy duty degreaser undiluted product)

Classification of the substance or mixture

Signal Word

Danger

Hazard class	Hazard category	Classification procedure
Skin corrosion and eye damage	1	GHS classification

Hazard statements

H314: Causes severe burns and eye damage



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Precautionary statements

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

SECTION 3: MIXTURES: Composition/information on ingredients

Name	CAS number	Proportion
C10 Alcohol ethoxylate	68439-46-3	1-10%
Sodium Hydroxide	1310-73-2	1-10%

SECTION 4: First aid measures

If in Eyes:

Remove contact lenses if any. Open the eyelids widely and flush eye(s) immediately by thoroughly rinsing with plenty of clean water or buffered eye wash for at least 20 minutes. Contact a specialist of occupational medicine or an eye specialist.

If on skin:

Remove contaminated clothing, footwear, watches, etc. and clean thoroughly before re-using them. Rinse the affected area with soap and water.



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If swallowed:

Do not induce vomiting. If the person is conscious, wash out mouth thoroughly with water. Get immediate medical attention

Most important symptoms and effects, both acute and delayed

Eyes: May be some pain and reddening of the eye, which will moderate after some time

Skin: Causes skin irritation. Prolonged and frequent contact may cause redness and irritation.

Ingestion: Ingestion of the concentrate may cause irritation to mouth, throat and digestive tract

Indication of any immediate medical attention and special treatment needed

Follow First Aid Procedures.

SECTION 5: Fire-fighting measures

Suitable Extinguishing media

Use appropriate fire extinguisher for surrounding environment.

Hazards from Combustion Products

Non-combustible material.

Specific Hazards Arising from the chemical

This product is non-combustible. However heating can cause expansion or decomposition leading to violent rupture of containers.

Special protective equipment and precautions for fire fighters

Fire fighters should wear full protective clothing and self-contained breathing apparatus (SCBA) operated in positive pressure mode. Fight fire from safe location



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SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Wear appropriate personal protective equipment and clothing to prevent exposure to clothing, skin and eyes. Increase ventilation. Dispose of waste according to the applicable local and national regulations

Environmental precautions

None

Methods and material for containment and cleaning up

Small spillages: Wash away with water. Large spillages: Soak up with an inert absorbent material, such as dry earth. Keep in suitable containers for disposal.

SECTION 7: Handling and storage

Precautions for safe handling

Avoid skin or eye contact. Keep containers sealed when not in use. Maintain high standards of personal hygiene i.e. washing hands prior to eating, drinking, and smoking or using toilet facilities.



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Conditions for safe storage, including any incompatibilities

Store in a cool, dry, well ventilated area, out of direct sunlight. Store in suitable, labelled containers. Keep containers tightly closed. Store away from incompatible materials. Ensure that storage conditions comply with applicable local and national regulation.

SECTION 8: Exposure controls/personal protection (*refers to the F919SC Biofilm remover and heavy duty degreaser undiluted product*)

Occupational exposure limit values

No exposure standards have been established for the mixture. However, over-exposure to some chemicals may result in enhancement of pre-existing adverse medical conditions and/or allergic reactions and should be kept to the least possible levels.

Biological Limit Values

No biological limits allocated

Appropriate Engineering Controls

No engineering controls required

Respiratory Protection

No respiratory protection required

Eye Protection

Eye protection should be used.

Hand Protection

Wear gloves of impervious material. Final choice of appropriate gloves will vary according to individual circumstances i.e. methods of handling or according to risk assessments undertaken.

SECTION 9: Physical and chemical properties

Appearance:	clear, colourless liquid.
Odour:	slight natural odour
Odour threshold:	not available
pH:	13.0
Melting point/freezing point	not available
Boiling point:	100°C
Flash point:	not available
Evaporation rate	not available



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Flammability: not combustible
Vapour pressure: not available
Vapour density (air=1): not available
Density: 1.0
Solubility in water: soluble
Partition coefficient: not known
Auto-ignition temperature: not available
Decomposition temperature: not available
Viscosity: 5mpa

SECTION 10: Stability and reactivity

Chemical stability

Stable under normal conditions of storage and handling.

Possibility of hazardous reactions

Stable under normal conditions of storage and handling

Conditions to Avoid

Do not use with acids

Incompatible materials

Acids

Hazardous Decomposition Products

Not available

Possibility of hazardous reactions

Not available

SECTION 11: Toxicological information

Information on toxicological effects

Toxicity	Packed Concentrate	Use Dilutions (1:100 and higher)
Acute Oral Toxicity	Based on available data, the classification criteria are not met.	Based on available data the classification criteria are not met.
Acute Dermal Toxicity	Not available	Not available



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Acute Eye Irritation	Causes serious eye damage	Not available
Acute Dermal Irritation	Causes burns	Not available
Acute Inhalation Toxicity	Not available	Not available
Skin Sensitization	Not a classified as a skin sensitizer	Not a classified as a skin sensitizer
Carcinogenicity, mutagenicity And toxicity for reproduction	Based on data for the raw materials, no carcinogenic, mutagenic or toxicity for reproduction is predicted	

STOT-single exposure

Not expected to cause toxicity to a specific target organ.

STOT-repeated exposure

Not expected to cause toxicity to a specific target organ.

Aspiration Hazard

Not expected to be an aspiration hazard.

SECTION 12: Ecological information

Eco toxicity

The available ecological data is given below.

Persistence and degradability

Biodegradable

Mobility

Not mobile

Bioaccumulative Potential

Not available

Other Adverse Effects

Not available

Environmental Protection

Prevent this material entering waterways, drains and sewers



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SECTION 13: Disposal considerations

Disposal methods

Dispose of in accordance with local regulations.

SECTION 14: Transport information (according to SANS 10228 and 10229-1)

UN Number: None allocated

UN Proper Shipping Name: None allocated

Transport Hazard Classes

None allocated

IMDG Marine pollutant

No

SECTION 15: Regulatory information

Classified as Hazardous according to SANS 10234:2008: Globally Harmonised System of Classification and labelling of Chemicals (GHS)

SECTION 16: Other information

16.1 Abbreviations and acronyms

CAS	Chemical Abstracts Service
PBT	Persistent, bio-accumulative and toxic
REACH	Registration, Evaluation and Authorisation of Chemicals
SDS	Safety Data Sheet
vPvB	Very persistent, very bio-accumulative
w/w	Weight by weight



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Other Information

Date of preparation or last revision of SDS

SDS Created: December 2015. Prepared according to SANS 10234:2008: Globally Harmonized System of classification and labelling of chemicals (GHS)

References

SANS 10234:2008: Globally Harmonized System of classification and labelling of chemicals (GHS)

SANS 10234:2008: ANNEX C: Preparation of Safety Data Sheets for Hazardous Chemicals Code of Practice

SANS 10228: The identification and classification of dangerous goods for transport