

Product Code: BIOSAFE-MOB-GRAZ/2

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Emergency Call (00) 36309454277 Product Manager

Emergency Action: In the event of a medical emergency, contact your doctor or local hospital emergency department, who may seek advise from our Product Manager where the full substance details are held.

Product Description: Mobilsept The Grazer Guard Surface Hygiene & Odor remover fluid, bactericid, virucid fungicid treatment bio-film antimicrobial surface protection coating. It is applied only by pressure spray application.

Packaging size: 1 liter 2 liter or 5 & 10 liter container.

DO NOT DILUTE THIS PRODUCT

Directions for use: Dispensed by Mobilsept The Grazer Guard unit. Application times are pre-programmed in unit. **Before apply, make sure hard surfaces are in average clean condition.**

Single use, no after drying-wiping is necessary.

REACH number: No registration number is available for the substance as the substance, or its use is not subject to registration (>, <)> of the annual quantity does not require registration, or the registration of a postponed to a later registration deadline.

.2. COMPOSITION / INFORMATION ON INGREDIENTS

INGREDIENT	CAS NO.	EINCS NO.	Risk %	(EC Range)
Water	7732-18-5	None	None	> 30%
Propanetriol air surfactant	56-81-5	200-289-5	None	< 5%
3 propildli methyloctadecyl ammonium chloride	27668-52-6	248-595-8	H302,H311,H331	<, mint 12%
Contains perfumes		None	None	< 4%
Methyltrimethoxysilane	1185-55-3	214-685-0	None	< 5%

3. HAZARDS IDENTIFICATION

Classification of the chemical

Danger, Skin Corr. 1A, Causes severe skin burns and eye damage.

Danger, Eye Dam. 1, Causes serious eye damage.

Label elements

Symbols:

Danger

Hazard statements:

H314 Causes severe skin burns and eye damage.

H318 Causes serious eye damage.

Precautionary statements:

P264 Wash hands thoroughly after handling.

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

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

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

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact HP123/1

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Safety Data Sheet

HYDROGEN PEROXIDE 15%

lenses, if present and easy to do. Continue rinsing.

P310 Immediately call a doctor.

P363 Wash contaminated clothing before reuse.

P501 Dispose of contents/container in accordance with applicable regulations.

Special Provisions:

None

Hazards not otherwise classified identified during the classification process:

None

Ingredient(s) with unknown acute toxicity:

4. FIRST-AID MEASURES

Description of necessary measures

In case of skin contact: Immediately take off all contaminated clothing.

OBTAIN IMMEDIATE MEDICAL ATTENTION.

Remove contaminated clothing immediately and dispose off safely.

After contact with skin, wash immediately with soap and plenty of water.

In case of eyes contact:

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately.

Protect uninjured eye.

In case of Ingestion:

Induce vomiting. SEEK A MEDICAL EXAMINATION IMMEDIATELY and present the safety-data sheet.

In case of Inhalation:

Remove casualty to fresh air and keep warm and at rest.

Most important symptoms/effects, acute and delayed

None

Indication of immediate medical attention and special treatment needed

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

Treatment:

None

5. FIRE FIGHTING MEASURES

Suitable extinguishing media:

Water.

Carbon dioxide (CO₂).

Unsuitable extinguishing media:

None in particular.

Specific hazards arising from the chemical hazardous combustion products:

None

Explosive properties: N.A.

Oxidizing properties: N.A.

Special protective equipment and precautions for fire-fighters

Use suitable breathing apparatus .

Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

Move undamaged containers from immediate hazard area if it can be done safely.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment, and emergency procedures

Wear personal protection equipment.

Remove all sources of ignition.

Wear breathing apparatus if exposed to vapours/dusts/aerosols.

Provide adequate ventilation.

Remove persons to safety.

Use appropriate respiratory protection.

See protective measures under point 7 and 8.

Methods and materials for containment and cleaning up

Wash with plenty of water.

7. HANDLING AND STORAGE

Precautions for safe handling

Avoid contact with skin and eyes, inhalation of vapours and mists.

Do not use on extensive surface areas in premises where there are occupants.

Don't use empty container before they have been cleaned.

Before making transfer operations, assure that there aren't any incompatible material residuals in the containers.

Contaminated clothing should be changed before entering eating areas.

Do not eat or drink while working.

See also section 8 for recommended protective equipment.

Conditions for safe storage, including any incompatibilities

Keep away from unguarded flame, sparks, and heat sources. Avoid direct exposure to sunlight.

Keep away from food, drink and feed.

Incompatible materials:

None in particular.

Instructions as regards storage premises:

Adequately ventilated premises.

Storage temperature:

Store at below 7 °C. Keep away from unguarded flame and heat sources. Avoid direct exposure to sunlight.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

ACGIH - STE: 1 ppm

OSHA - LTE: 1 ppm - STE: 1.4 mg/m³

Appropriate engineering controls:

None

Individual protection measures

Eye protection:

Eye glasses with side protection.

Protection for skin:

Use clothing that provides comprehensive protection to the skin, e.g. cotton, rubber, PVC or

viton.

Protection for hands:

Use protective gloves that provides comprehensive protection.

Respiratory protection:

Not needed for normal use.

Thermal Hazards:

None

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance and colour: Liquid, light gray haze

Odour: Flower

Odour threshold: N.A.

pH: ± 3.3

Melting point / freezing point: -25°C (-13F)

Initial boiling point and boiling range: 108°C (226F)

Solid/gas flammability: N.A.

Upper/lower flammability or explosive limits: N.A.

Vapour density: 1.17

Flash point: N.A. °F

Evaporation rate: N.A.

Vapour pressure: 25 mm Hg 30°C (86F)

Relative density: 1.11

Solubility in water: 100%

Solubility in oil: N.A.

Partition coefficient (n-octanol/water): N.A.

Auto-ignition temperature: N.A.

Decomposition temperature: N.A.

Viscosity: N.A.

Miscibility: N.A.

Fat Solubility: N.A.

Conductivity: N.A.

Substance Groups relevant properties N.A.

10. STABILITY AND REACTIVITY

Reactivity

Stable under normal conditions

Chemical stability

Stable under normal conditions

Possibility of hazardous reactions

It may generate flammable gases on contact with nitrides.

It may generate toxic gases on contact with aliphatic and aromatic amines, carbamates, dithiocarbamates, mercaptans and other organic sulphides, nitriles, inorganic sulphides, and combustible and inflammable materials.

It may catch fire on contact with alcohols and glycols, azo, diazo and hydrazines compounds, carbamates, dithiocarbamates, mercaptans and other organic sulphides, nitrides, and combustible and inflammable materials.

None

Conditions to avoid
Stable under normal conditions.
Incompatible materials
Zinc, Powdered metals, Iron, Copper, Nickel, Brass, Iron and iron salts.
Hazardous decomposition products
None.

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects
Toxicological information of the mixture:
N.A.

Toxicological information of the main substances found in the mixture:

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat = 376 mg/kg

Test: LC50 - Route: Inhalation - Species: Rat = 2.000 mg/m³

Test: LD50 - Route: Skin - Species: Rat = 4.060 mg/kg

Substance(s) listed on the NTP report on Carcinogens:

None.

Substance(s) listed on the IARC Monographs:

Hydrogen Peroxide - Group 3.

Substance(s) listed as OSHA Carcinogen(s):

None.

Substance(s) listed as NIOSH Carcinogen(s):

None.

12. ECOLOGICAL INFORMATION

Ecotoxicity

Adopt good working practices, so that the product is not released into the environment.

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish = 22 mg/l - Duration h: 96

Endpoint: EC50 - Species: Daphnia = 24 mg/l - Duration h: 48

Persistence and degradability

N.A.

Bioaccumulative potential

N.A.

Mobility in soil

N.A.

Other adverse effects

None

13. DISPOSAL CONSIDERATIONS

Waste treatment and disposal methods

Recover, if possible. Send to authorised disposal plants or for incineration under controlled conditions. In so doing, comply with the local and national regulations currently in force.

14. TRANSPORT INFORMATION

DOT UN/ID no 2984

Proper Shipping Name MobGraz/2 AQUEOUS SOLUTION

Hazard class 5.1

Packing Group III

TDG

UN/ID no 2984

Proper Shipping Name MobGraz/2

Hazard class 5.1

Packing Group III

ICAO/IATA Air regulation permit shipment (<=40%) in non-vented containers for Air Cargo Only aircraft, as well as for Passenger and Cargo aircraft. HOWEVER, all . IATA air regulations state that venting of packages containing oxidizing substances is not permitted for air transport.

Other Adverse Effects Decomposes into oxygen and water. No adverse effects.

Proper Shipping Name MobbGraz/2 AQUEOUS SOLUTION

Hazard class 5.1

Packing Group III

OTHER INFORMATION Protect from physical damage. Keep drums in upright position. Drums should not be stacked in transit. Do not store drums on wooden pallets.

15. REGULATORY INFORMATION

U.S. Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any

chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

SARA 311/312 Hazard Categories

Acute health hazard Yes

Chronic health hazard No

Fire hazard Yes

Sudden release of pressure hazard No

Reactive Hazard No

Clean Water Act

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40

CFR 122.42)

CERCLA

Chemical name Hazardous Substances

SARA RQ

Component TSCA (United States)

DSL (Canada)

EINECS/EL INCS (Europe)

ENCS (Japan)

China (IECSC)

KECL (Korea)

PICCS (Philippines)

AIC (Australia)

NZIoC (New Zealand)

X X X X X X X X

Mexico - Grade Serious risk, Grade 3

CANADA

WHMIS Statement

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the

MSDS contains all the information required by the CPR.

WHMIS Hazard Class C - Oxidizing materials

D2B - Toxic materials

Revision date: 2015-05-07

Version 1

16. OTHER INFORMATION

NFPA/HMIS Ratings Legend Severe = 4; Serious = 3; Moderate = 2; Slight = 1; Minimal = 0

Special Hazards: OX = Oxidizer

Protection = H (Safety goggles, gloves, apron, the use of supplied air or SCBA respirator is required in lieu of a vapor cartridge respirator)

Uniform Fire Code Oxidizer: Class 1--Liquid

Revision note Initial Release

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Prepared By:

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