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Report No.: NTS2004110M

MATERIAL SAFETY DATA SHEET

Saniflex Sanitary Wipes

1. PRODUCT AND MANUFACTURER IDENTIFICATION

Product name:	Alcohol Antibacterial Wipes
Relevant Identified Uses:	Used to kill bacteria
Manufacturer/Supplier:	Saniflex PTY LTD
Address:	2-4 Tarnard Drive, Braeside, 3195, Victoria, Australia
Telephone:	+61 3 9532 7065
Effective date:	April 17, 2020
Emergency phone:	+61 3 9532 7065

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture. Classification accoridng to regulation (EC) No 1272/2008 (EU-GHS/CLP)

Flammable liquids (Category 2), H225
Eye Irritation (Category 2), H319

2.2 GHS Label elements, including precautionary statements
Labelling according Regulation (EC) No 1272/2008 (CLP)

Pictogram

Signal Word

DANGER

Hazard statements

H225
Highly Flammable liqiuid and vapour

H319
Causes serious eye irritation

Precautionary statements

P210
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

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

Supplemental Hazard statements None

2.3 Other Hazards

This substance/mixture contains no components consiered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and biioaccumulative (vPvB) at levels of 0.1% or higher

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3. COMPOSITION / INFORMATION OR INGREDIENTS

3.1 Substance or preparation: Preparation

3.2 INFORMATION ABOUT THE CHEMICAL NATURE OF PRODUCT:

COMMON CHEMICAL NAME / GENERAL NAME	CAS NO.	EINECS NO.	CONCENTRATION / CONCENTRATION RANGE	CLASSIFICATION AND HAZARD LABELLING
PURE WATER (H20)	7732-18-5	321-791-2	24.796%	Health: 0 Flammability: 0 Reactivity: 0
ETHANOL (C2H60)	64-17-5	200-578-6	75%	Health: 2 Flammability: 3 Reactivity: 0
CHLOROHEXIDINE DIACETATE	56-95-1	200-302-4	0.1%	Health: 2 Flammability: 1 Reactivity: 0
BENZALKONIUM CHLORIDE	8001-54-5	616-786-9	0.1%	Health: 3 Flammability: 1 Reactivity: 0
NANO SILVER IONS (Ag+)	7440-22-4	231-131-3	0.004%	Health: 2 Flammability: 1 Reactivity: 0

4 FIRST AID MEASURES

4.1 description of first aid measures

General advice	Consult a physician. SHow this safety data sheet to the doctor in attendance
Eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician
Skin contact	Wash off with soap and plenty of water. Consult a physician
Inhalation	If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
Ingestion	Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

4.2 Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

4.3 Indication of any immediate medial attention and special treatment needed

No data available

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5. FIRE FIGHTING MEASURES

5.1 Extinguishing Media:

Suitable extinguishing media:
Dry powder, Dry sand.

Unsuitable extinguishing media:
Do NOT use water jet.

5.2 Special hazards arising from the substance or mixture:
Carbon oxides

5.3 Advice for firefighters:
Wear self contained breathing apparatus for fire fighting if necessary

5.4 Further information:
Use water spray to cool unpoened containers.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:
Use personal protective equipment
Avoid breathing vapours, mist or gas
Ensure adequate ventilation
Remove all sources of ignition
Evacuate personnel to safe areas
Beware of vapours accumulating to form explosive concentrations
Vapours can accumulate in low areas
For personal protection see section 8.

6.2 Environmental precautions:
Prevent further leakage or spillage if safe to do so
Do not let product enter drains
Discharge into the environment must be avoided.

6.3 Methods and materials for containment and cleaning up:
Sweep up and shovel.
Keep in suitable, closed containers for disposal.

6.4 Reference ot other sections:
For disposal see section 13.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling:
Avoid contact with skin and eyes.
Avoid inhalation of vapour or mist
Keep away from sources of ignition - No smoking
Take measures to prevent the build up of electrostatic charge
For precautions see section 2.2

7.2 Conditions for safe storage, including any incompatablities:
Store in cool place
Keep container tightly closed in a dry and well-ventilated place
Containers that are opened must be carefully resealed and kept upright to prevent leakage.

7.3 Specific end uses(s)
Apart from the uses mentioned in section 1.2, no other specfic uses are stipulated

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8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters

Components with workplace control parameters:
Contains no substances with occupational exposure limit values.

8.2 Exposure controls:

Handle in accordance with good industrial hygiene and safety practice.
Wash hands before breaks and at the end of the workday.

Personal protective equipment:

Eye/face protection:
Face shield and safety glasses. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU).

Skin protection:
Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching gloves under surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. The selected protective gloves have to satisfy the specifications of EU Directive 89/86/EEC and the standard EN 374 derived from it.

Body protection:
Impervious clothing, flame retardant antistatic protective clothing. Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific workplace. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection:
Where risk assessment shows air purifying respirators are appropriate, use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a back up to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Environmental exposure controls:
Prevent further leakage or spillage if safe to do so
Do not let priduct enter drains
Discharge into the environment must be avoided.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

a). Appearance:	White solid sheet
b). Colour:	White
c). Odour:	Alcohol odour
d). pH:	6.5-7.5
e).Melting/freezing point:	No data available
f).Initial boiling point & Boiling range:	No data available
g).Flash point:	› 20°C
h).Evaporation rate:	No data available
i).Flammability:	Combustible
j).Explosive properties:	No data available
k).Upper/lower flammability explosive limits:	No data available
l).Vapour presure (at 20°C):	No data available
m).Vapour density:	No data available
n). Density (at 20°C):	0.55 to 0.95 g/cm^3 at 25°C

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o). Water solubility:	Partly soluble
p). Partition coefficient:	
n-octanol/water: Water solubility:	No data available
q). Auto-ignition temperature:	No data available
r). Decomposition temperature:	No data available
s). Evaporation rate:	No data available
t). Oxidizing properties:	No data available

10 STABILITY AND REACTIVITY

10.1 Reactivity: No data available
10.2 Chemical stability: Stable under recommended storage and handling conditions
10.3 Possibility of hazardous reactions No data available
10.4 Conditions to avoid: Heat, flames and sparks
10.5 Incompatible materials: Strong oxidizing agents
10.6 Hazardous decompostion products:
Other decomposition products - No data available
Hazardous decomposition products formed under fire conditions - carbon oxides.

11 TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects:

Acute toxicity: LD50 Oral - Rat - male and female - › 10 500 mg/kg
(OECD Test Guideline 401)
LC50 Inhalation - Rate - male and female - 4 h - › 250 mg/L
(OECD Test Guideline 403)

Skin corrosion/irritation:

Skin - Rabbit
Result: No skin irritation - 24 h
(OECD Test Guideline 404)

Serious eye damage/eye irritation:

Eyes - Rabbit
Result: Eye irritation
(OECD Test Guideline 405)

Respiratory or skin sensitization:

Local lymph node assay (LLNA) - Mouse
Result: Negative
(OECD Test Guideline 429)

Germ cell mutagenicity:

Ames test
Salmonella typhimurium
Result: Negative
In vitro mammalian cell gene mutation test
Mouse lymphoma test
Result: negative

Carcinogenicity:

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

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Reproductive toxicity: No data available.

Reproductive toxicity: No data available.

Specific target organ toxicity -single exposure: No data available.
Specific target organ toxicity - repeated exposure: No data available.
Aspiration hazard: No data available.
Additional information
RTECS: Not available
Irritant effects, respiratory paralysis, dizziness, narcosis, inebriation, euphoria, nausea, vomiting.
To the best of our knowledge, the chemical and toxocological properties have not been thoroughly investigated.

12 ECOLOGICAL INFORMATION

12.1 Toxicity:

Toxicity to fish:	Flow-through test EC50 - Pimephales promelas (fathead minnow) - 24 030 mg/L - 96 h (US-EPA)
Toxicity to daphnia and other aquatic invertebrates	Static test EC50 - Ceriodaphnia dubia (water flea) - 8012 mg/L - 48 h (OECD Test Guideline 202)
Toxicity to algae	IC5 - Scenedesmus quadricauda (Green algae) - 7000 mg/l - 7 d Remarks: (Lit)
Toxicity to bacteria	EC%) - Pseudomonas putida - 9050 mg/L - 16 h Remarks: (IUCLID)

12.2 Persistence and degradability

Biodegradability	Result: 90% - Partially biodegradeable (OECD) Test Guideline 302B)
Biochemical Oxygen Demand (BOD)	930 - 1670 mg/kg Remarks: (Lit)
Theoretical oxygen Demand	2100 mg/kg Remarks (Lit)

12.3 Bioaccumulative potential: No data available

12.4 Mobility in soil: No data available

12.5 Result of PBT and vPvB assessment: This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

12.6 Other adverse effects: Toxic to aquatic life
Additoinal ecological enformation : No data available

13 WASTE HANDLING

Disposal of product:
Offer surplus and non-recyclable solutions to a licensed disposal company.
Waste material must be disposed of in accordance with the Direcctive on waste 2008/98/EC as well as other national and loal regulations.
Leave chemicals in original containers.
No mixing with other waste.
Handle uncleaned containers like the product itself.

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SECTION 14: TRANSPORT INFORMATION

14.1 UN Number:

ADR/RID: 3175 IMDG: 3175 IATA 3175

14.2 UN proper shipping name:

ADR/RID: Solids Containing Flammable Liquids, N.O.S.
IMDG/IMO: Solids Containing Flammable Liquids, N.O.S.
IATA/ICA: Solids Containing Flammable Liquids, N.O.S.

14.3 Transport hazard class(es):

Label: 

ADR/RID: 4.1 IMDG: 4.1 IATA: 4.1

14.4 Packaging group:

ADR/RID: II IMDG: II IATA: II

14.5 Environmental hazards:

ADR/RID: no IMDG: no IATA: no

14.6 Special precautions for user: No data available

SECTION 15: REGULATION INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

This safety datasheet complies with the Regulation (EC) No. 1907/2006.

REACH – Restrictions on the manufacture, placing on the market and use of certain dangerous substances, preparations and articles (Annex XVII)

15.2 Chemical Safety Assessment

For this product a chemical safety assessment was not carried out

EU Directive 2006/66/EC

EINECS: This product is on the European Inventory of Existing Commercial Chemical Substances.

US Federal:

OSHA: Not Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200).

WHMIS (Canada)

Not controlled under WHMIS (Canada).

SECTION 16: OTHER INFORMATION

This information contained in this Safety data sheet is based on the present state of knowledge and current legislation.

Since this information may be applied under conditions beyond our control and with which may be unfamiliar and since data made available subsequent to the data hereof may suggest modifications of the information, we do not assume any responsibility for the results of its use.

This information is furnished upon condition that the person receiving it shall make his own determination of the suitability of the material for his particular purpose.

This safety data sheet provides guidance on health, safety and environmental aspects of the product and should not be construed as any guarantee of technical performance or suitability for particular applications.

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