

SAFETY DATA SHEET

Product Name: gleitmo 980 SPRAY

Date Revised: December 2, 2013

Version Number/Revision Number: 1/A

1. Identification of the Mixture and Company

1.1 Product Identifier

Product Name: gleitmo 980 SPRAY

Product No. A010

SDS No. A010AU

1.2 Relevant Identified uses of the mixture and uses advised against:

1.2.1 Identified uses of the mixture:

Aerosol, solid film lubricant

1.2.2 Uses advised against: NA

1.3 Details of the supplier of the Safety Data Sheet:

Manufacturer name and address/Phone/email address of responsible person:

STERIS Corporation, P. O. Box 147, St. Louis, MO 63166, US

Telephone Number for Information: 1-800-548-4873 (Customer Service-Healthcare Products)

asksteris_msds@steris.com

Importer name and address/Phone/email address of responsible person:

Device Technologies Australia Pty Ltd, ACN: 058-091-973, Unit 8, 25 Frenchs Forest Road, Frenchs Forest NSW 2086, Australia, Telephone: 1-800-804-006, Fax: 612-9975-5711. Emergency 24 Hour Telephone: 1 800 804 006.

Device Technologies New Zealand Limited, 47 Arrenway Drive, Albany, Auckland, 0632, New Zealand

Tel: 0508 338 423, Fax: 649 9913 2009. Emergency 24 Hour Telephone: 0508 338 423.

1.4 Emergency Telephone Number:

US: Emergency Telephone No.1-314-535-1395 (STERIS); 1-800-424-9300 (CHEMTREC)

2. Hazards Identification:

2.1 Classification of the mixture

Classification according to NOHSC: Hazardous Substance, Dangerous Goods

2.1.1 Classification according to Regulation (EC) 1272/2008 (CLP): Classification of CLP to be completed by June 2015.

Hazard Classification	Hazard Statement
NA	NA

2.1.2 Classification according to Directive 1999/45/EC (including amendments)


Hazard Characteristics	Risk Phrases
Extremely Flammable F+	R12: Extremely flammable

2.2 Label Elements

2.2.1 Labeling (Regulation (EC) No 1272/2008) CLP: Classification of CLP to be completed by June 2015.

Signal Word(s)	NA
Pictogram(s)	NA
Hazard Statement(s)	NA
Precautionary Statement(s)	NA

2.2.2 Labeling according to Directive 1999/45/EC (including amendments) Labeling classification to be completed by June 2015.

Hazard symbol(s):	
Risk Phrases	R12: Extremely flammable.
Safety Phrases	S2: Keep out of reach of children. S16: Keep away from sources of ignition – No smoking. Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use. Do not spray into flames or onto glowing objects. If possible work in the open air or in well-ventilated rooms.

2.3 Other Hazards:

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Physical hazards: application may cause development of explosive / inflammable vapour-air-mixtures

Human health hazards: may be irritating to eyes, at repeated exposure irritating to skin.

Environmental hazards: ND

Other adverse hazards: ND

3. Composition on Ingredients

3.1 Substances: NA

3.2 Mixtures:

Hazardous Component(s)	CAS No.	EC No.	Annex Index No.	REACH Registration No.	% by weight	Classification according to 67/548/EEC (DPD)	Classification according to EC No 1272/2008 (CLP)
Propane	74-98-6	200-827-9	ND	ND	10-20	F+, R12	ND
Butane	106-97-8	203-448-7	ND	ND	80-100	F+, R12	ND
Naphtha, petroleum, hydrotreated light	64742-49-0	265-151-9	ND	ND	<5	Xn, R10, R65, R66, R67	ND
Naphtha, petroleum, hydrotreated heavy	64742-48-9	265-150-3	ND	ND	<2	Xn, R10, R65, R66, R67	ND

3.3 Additional Information: For full text of Codes and Phrases; See Section 16.

4 First Aid Measures

4.1 Description of first aid measures:

General: Remove contaminated soaked clothing immediately, don't leave to dry.

Eye Contact: In case of contact with eyes, rinse with plenty of water carefully. In the event of persistent symptoms seek medical treatment.

Skin Contact: In case of contact with skin, wash off immediately with soap and water. Don't use organic solvents. Consult a doctor if skin irritation persists.

Inhalation: Ensure of fresh air. In the event of symptoms refer for medical treatment.

Ingestion: Do not induce vomiting. If swallowed seek medical advice immediately and show the doctor packing or label.

4.2 Most important symptoms and effects, both acute and delayed: Coughing, headache, confusion.

4.3 Indication of any immediate medical attention and special treatment needed: Aspiration hazard when vomiting after swallow up. Treat symptoms.

5. Fire-Fighting Measures

5.1 Extinguishing Media: Foam, Dry fire-extinguishing substance, carbon dioxide, water spray jet.

Extinguishing media which must not be used for safety reasons: Full water jet.

5.2 Special Hazards arising from the mixture: Fire gas or organic material has to be classed invariably as respiratory poison.

Conditions of Flammability/Flash Point: < 0°C **Auto-ignition Temperature:** Unknown.

Explosibility Data: ND

5.3 Advice for fire-fighters: Use breathing apparatus with independent air supply.

Information for disposal, see chapter 13.

6. Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures: Ensure adequate ventilation. Keep away sources of ignition. Avoid contact with skin and eyes. High risk of slipping due to leakage / spillage of product.

6.2 Environmental precautions: Do not discharge into the drains / surface waters / groundwater. Active agent: Prevent spread over a wide area (e.g. by containment of oil barriers). Suppress gases / vapours / mists with water spray jet. Do not discharge into the subsoil / soil.

6.3 Methods for containment and cleaning up: Suck off by room ventilation. Take up with absorbent material (e.g. general-purpose binder)

6.4 Reference to other sections: Informations for disposal see chapter 13.

7. Handling and Storage

7.1 Precautions for Safe Handling: Care for thoroughly room ventilation, if necessary use in well ventilated area with local exhaust ventilation at workplace.

Advice on protection against fire and explosion: Keep away from sources of ignition – No smoking. The product is extremely flammable.

Vapours can form an explosive mixture with air. Bursting hazard with fire expansion and injury danger near fire.

7.2 Conditions for Safe Storage, including any incompatibilities: Keep in closed original container. Don't store in staircases and passage-ways. Don't store together with oxidizing and self-inflammable materials. Store only in closed original container at cool and aired place. Protect from heat and direct solar radiation. Keep container dry. Keep in a cool place, heat causes increase in pressure and risk of bursting.

Storage group: 2B / Fire Class: B

Storage time: 24 months

7.3 Specific end use(s): NA

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8. Exposure Controls/Personal Protection**8.1 Control Parameters:** Do not inhale aerosols caused by spraying application. Use only in well-ventilated places.**Occupational Exposure Limits:** NA**8.2 Exposure Controls:** Clean skin thoroughly after working. Cloths contaminated with product should not be kept in trouser pockets. At work, do not eat, drink, smoke or take drugs. Follow general rules of industrial hygiene for safe handling of chemical products. Keep away from food and drink. Storing of food in workroom forbidden.**Respirator Protection:** Not required at determined application.**Eye Protection:** Safety goggles.**Protective Gloves:** As this product is a preparation of several substances, the resistance of the materials used for gloves cannot be predetermined; it is therefore necessary to check this before using the product. Wear gloves of PVC at prolonged or intensive skin contact, nitrile gloves.**Personal Protection:** Usual working clothes for chemical industries. Avoid contact with eyes and skin. Do not inhale gases/vapours/aerosols.**Engineering Controls:** Work in rooms with good ventilation.**9. Physical and Chemical Properties****9.1 Information on basic physical and chemical properties:****Physical state/Appearance/Odor:** aerosol, colorless, odor like petrol (gasoline)**Solubility in water:** more or less insoluble**Specific Gravity:** NA**pH:** NA**Vapor pressure:** 2900-3900 hPa 20°C**Vapor density:** 0.6 -0.61 g/cm³ 20°C**Odor threshold, Evaporation rate, Boiling point, Freezing point:** NA**Flash Point:** < 0°C **Auto-ignition Temperature:** Unknown.**9.2 Other information:** explosive properties: in and after use danger of production of inflammable compounds. Danger of bursting when heating over 50°C.

Vapours are heavier than air. Flammable liquid.

10. Stability and Reactivity**10.1 Reactivity:** ND**10.2 Chemical stability:** ND**10.3 Possibility of hazardous reaction:** ND**10.4 Conditions to avoid:** Because of the high vapour pressure, containers are liable to burst if temperature rises. Evolution of flammable mixtures possible in air when heated above flash point and/or during spraying or misting.**10.5 Incompatible materials:** Reactions with oxidizing agents.**10.6 Hazardous decomposition products:** None at appropriate handling and storage. No decomposition if used as directed.**11. Toxicological Information****11.1 Information on toxicological effects:****11.1.1 Substances:** NA**11.1.2 Mixtures****Acute toxicity:** Not determined.**Irritation:** May have irritating effect if splash reaches eye. Frequent and/or persistent contact may cause skin irritation.**Corrosivity:** NA**Sensitization:** No sensitizing effect known.**Repeated dose toxicity:** NA**Carcinogenicity:** NA**Mutagenicity:** NA**Toxicity for Reproduction:** NA**Summarized evaluation of the CMR properties:** toxicol dates available. The product was classified on the basis of the calculation procedure of the directive 67/548/EEC (Conventional method).**12. Ecological Information****12.1 Toxicity:** ND**12.2 Persistence and Degradability:** ND**12.3 Bioaccumulative Potential:**

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12.4 Mobility in Soil: The product has not been tested. Because of the product's consistency and low solubility in water bioavailability is not likely. Preparation is water soluble and does not formate emulsion.

12.5 Results of PBT & vPvB assessment: ND

12.6 Other Adverse Effects: Product gets duly not into waste water before it is not treated according to the local regulations. Ecological data is not available. Do not allow uncontrolled leakage of product into the environment. Product is not allowed to be discharged into aquatic environment.

13. Disposal Considerations

13.1 Waste Treatment Methods: ND

13.2 Product / Package Disposal: Disposal according to local authority prescriptions. Totally emptied packaging may be taken for recycling. Dispose one-trip container according to local authority prescriptions.

Other information: Ultimately responsible for correct classification is the waste producer, as the EWC names different codes for different origins of same waste.

14. Transport Information

	Ground	Sea (IMDG Class)	Air (ICAO/IATA Class)
14.1 UN Number	UN1950	UN1950	UN1950
14.2 UN proper shipping name	Aerosols	Aerosols	Aerosols
14.3 Transport hazard class(es)	Flammable	Flammable	Flammable
14.4 Packing group	2.1	2.1 (maximum 1 L)	2.1-UN-4G/Y
14.5 Environmental hazards	ND	ND	ND
14.6 Special precautions for user	Minor quantities are not considered	NA	Fiberboard boxes required
14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	NA	NA	NA

Australia: ADG/HazChem Code: 2WE Special Provision: 3.8.2 RT2 Class 2.1

15. Regulatory Information

15.1 Safety, Health and Environmental Regulations / Legislation Specific for the Mixture:

EU Regulations: This product is classified and labeled in accordance with EC directive / German regulations on dangerous substances. Classification is done on the basis of calculation methods of substance directive (67/548/EEC).

National regulations: Decree for case of interference/remarks: anhang I, Nr. 11; Water hazard class: 1, Misture-WGK according to VwVwS (GER) preliminary.

Other regulations: take note of: TRG 300 Aerosole (GER)

VOC standard/content: ca. 98%

Australian Regulations: AICS Listed or Exempt. Hazard Category: Flammable Poison Schedule: NA ADG/HazChem Code: 2WE Special Provision: 3.8.2 RT2

Authorisations and/or restrictions on use: NA

REACH regulation Annex XVII (restriction): NA

REACH regulation Annex XIV (authorization): NA

REACH candidate list: NA

2037/200/EC regulation (ozone depleting substances): NA

850/2004/EC regulation (persistent organic pollutants): NA

15.2 Chemical safety assessment: Chemical Safety Assessment is not needed for mixtures.

16. Other Information

16.1 Changes at revision: According to Regulation 453/2010/EU and 1907/2006/EC (REACH)

16.2 Abbreviations

NA - Not Applicable

ND - No Data

CMR - Carcinogen, Mutagen, or Reproductive Toxicant

PBT - Persistent, Bioaccumulative and Toxic substance

vPvB – very Persistent, very Bioaccumulative

16.3 Literature references: NA

16.4 Mixture Classification: See Section 2

16.5 Relevant R, H, S and P Phrases (if not written in Section 2-15):

Classification: F+ Extremely flammable.

H phrases: NA

R phrases: 12 Extremely flammable. 10 Flammable. 65 Harmful: may cause lung damage if swallowed. 66 Repeated exposure may cause skin dryness or cracking.

67 Vapours may cause drowsiness and dizziness.

Hazardous Ingredients for labeling: Butane, Propane.

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Special labeling for certain preparations: Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use. Keep out of reach of children. Do not spray into flames or onto glowing objects. Keep away from sources of ignition, don't smoke. If possible, work in the open air or in well-ventilated rooms.

16.6 Recommended Trainings: Use information in this SDS.**16.7 Information about the Safety Data Sheet (SDS)****Date Initially Created:** December 2, 2013**Date Revised:** NA**Date Reviewed:** NA**Other information:** According to Regulation 453/2010/EU and 1907/2006/EC (REACH)**Prepared by:** STERIS Corporation

The information on this sheet is not a specification and does not guarantee specific properties. The information is intended to provide general knowledge as to health and safety based upon our knowledge of the handling, storage and use of the product. It is not applicable to unusual or non-standard uses of the product or where instructions or recommendations are not followed.

NFPA 704 HAZARD RATING:**HEALTH:** 3**FIRE:** 0**REACTIVITY:** 1**End of Safety Data Sheet**