

Safety Data Sheet (in compliance with REACH Regulation (EC) N° 1907/2006, Title IV /Annex II)

Name of the product: Neptune Docking Detergent

Revision date: September 2009

1. SUBSTANCE AND COMPANY IDENTIFICATION

1.1 Identification of the substance or preparation

Name : Neptune Docking detergent

Trade Names:

Chemical name / Synonyms:

1.2 Use of the substance/preparation

Neptune Docking detergent is a liquid used as a cleaning agent/detergent in conjunction with the Neptune medical device.

The detergent itself is classed as a medical device i.e. Class 1 non-sterile device.

1.3 Company identification

Name: Stryker Instruments

Address: 4100 E. Milham Avenue, Kalamazoo, Michigan, USA 49001-6197

Phone N°: 1-(269)-323-7700

1-(800)-253-3210

Fax N°: 1-(800)-9993811

E-mail of responsible person for SDS in EU: seamus.healy@stryker.com

Seamus Healy, Stryker Corporation, Stryker Orthopaedics, Raheen Business Park, Limerick, Ireland.

Ph No.: 00 353 61 498352

Fax No.: 00 353 61 229941

1.4 Emergency telephone

Emergency telephone number:

CHEMTREC 1-(800)-424-9300

2. HAZARDS IDENTIFICATION

Neptune docking detergent does not meet the criteria for classification according to Directives 67/548/EEC and 1999/45/EC.

National Fire Protection Association (NFPA) (US):

- Health hazard rating: H1 (slight)
- Flammability rating: F0 (minimal, will not burn)
- Instability rating: R0 (minimal, normally stable)

National Paint & Coating Hazardous Materials Identification System (HMIS) (US):

- Health hazard rating: H1 (slight)
- Flammability rating: F0 (minimal)
- Reactivity rating: R0 (minimal)

4. FIRST AID MEASURES

Skin Contact: Wash area thoroughly with water, then with mild soap and water. Contaminated clothing should be washed before reuse. Normal good personal hygiene practices.

Inhalation: If irritation occurs remove to fresh air. Seek medical assistance if irritation persists.

Eye Contact: Immediately flush eyes, including under the eyelids, with large amounts of running water for at least 15 minutes. Seek medical assistance if irritation persists.

Ingestion: If individual is conscious and alert, give 1-2 glasses of water to drink. Do not give anything by mouth to an unconscious person. Do not induce vomiting. Seek medical attention. Do not leave individual unattended.

5. FIRE-FIGHTING MEASURES

NFPA Rating: Health: 1 Flammability: 0 Instability: 0

Flammability properties: non-flammable water solution

Flammability limits: not determined as not required

Combustion products: Water must be boiled off before product components will burn. Burning produces oxides of carbon and sulphur in large fires.

Fire Fighting Instructions: Extinguishing media include water (fog) or foam for large fires and CO₂ or dry chemicals for small fires.

Fire fighting procedures: Liquid will not sustain combustion.

Unusual fire: None

Explosive hazards: None

6. ACCIDENTAL RELEASE MEASURES

Spills will result in slippery conditions; use caution in spill area.

Recover as much of the material as practicable and possible.

Soak up remainder with sand, vermiculite, or other inert absorbent material and discard in appropriate container for disposal.

Dispose of spill waste material in accordance local, state and federal regulations.

Wash contaminated area with copious amounts of water and flush into sanitary sewer line(s).

Avoid direct discharge into natural waterways.

9.2 Important health, safety and environmental information

Boiling point: begins foaming at about 200°F (93.3°C)

Vapor pressure: < 25 mm Hg @ 77° F (25°C)

Density: 8.6 to 8.8 lb @ 77° F (25°C), gallon

Volatiles by weight: approx. 80% (water)

Solubility in Water: infinite

Specific gravity: 1.01 – 1.03

pH of liquid: 7.0 – 9.5

10. STABILITY and REACTIVITY

Stability: Product is stable under normal conditions of temperature and pressure.

Hazardous Polymerization: Cannot occur.

Incompatibilities: Strong oxidizers, strongly acidic solutions.

10.1 Conditions to avoid

Avoid temperatures of below 50°F (10°C) or above 150°F (65.6°C).

10.2 Materials to avoid

Do not mix with strong oxidizers or strongly acidic solutions

10.3 Hazardous decomposition products

None.

11. TOXICOLOGICAL INFORMATION

There is no specific toxicological data on the product itself.

Regarding the individual constituents:

Sodium Lauryl Sulphate: - Various positive Draize tests (rabbit) i.e. moderate to severe irritant

LD50 (rat): 1288 mg/kg

Ammonium Hydroxide: LD50 (rat): 0.35g/kg

At concentrations in excess of 10%, if sodium lauryl sulphate remains in contact with skin for prolonged periods, moderate to severe skin irritation may result. Repeated exposure to sodium lauryl sulphate may cause dermatitis in susceptible individuals.

Alcohol ethoxylates are known to cause skin and eye irritancy on prolonged exposure.

12. ECOLOGICAL INFORMATION

The major component of this product is readily biodegradable.

Do not release directly into surface waters.

Discharge of large quantities into the aquatic environment may kill fish or other aquatic organisms

Complete biodegradation of the primary alkyl sulphate observed within 7 days.