

Safety Data Sheet

Neptune Docking Detergent

0700001026

	Australian Sponsor	New Zealand Sponsor
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SECTION 1: IDENTIFICATION**1.1 Product Identifier:**

Product name: Neptune Docking Detergent

1.2 Relevant Identified Uses of the Substance or Mixture and Uses Advised Against:

Identified uses: Neptune Docking Detergent is a liquid used as a cleaning agent/detergent.

1.3 Details of the Supplier of the Safety Data Sheet (SDS):

Supplier: Howmedica International S. de R.L.

Raheen Business Park
Limerick, Ireland
Phone: 0035361498200

Contact: Melissa.Kann@stryker.com

Manufacturer: Stryker Instruments
4100 E. Milham Avenue
Kalamazoo, Michigan 49001
United States

1.4 Emergency Telephone Number:

From Europe: 00353 61 498200 (24 hrs)

From US or Canada: CHEMTREC 1-(800)-424-9300
For Hazardous Materials [or Dangerous Goods] Incidents ONLY (spill, leak, fire, exposure or accident), call CHEMTREC within the USA and Canada at 800-424-9300 or globally at 703-527-3887 (collect calls accepted).

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the Substance or Mixture:

2.1.1 Classification in accordance with EC 1272/2008 and 1999/45/EEC:

Not classified

2.1.2 Classification in accordance with GHS:

Not classified

2.1.3 Classification in accordance with 29 CFR 1910 (OSHA HCS):

Not classified

2.1.4 Classification in accordance with HSNO:

Not classified

2.1.5 Classification in accordance with WHMIS:

Not WHMIS controlled

2.1.6 Classification in accordance with HMIS:

Health hazard:	1
Flammability:	0
Reactivity:	0

2.1.7 Classification in accordance with NFPA:

Health hazard:	1
Flammability:	0
Reactivity:	0

2.2 Label Elements:

EU supplementary label information:

EUH210 SDS available on request.

2.3 Other Hazards:

No additional information available.

2.3.1 Potential Health Effects:

Inhalation:	May cause respiratory tract irritation.
Ingestion:	May be harmful if swallowed.
Skin:	May cause skin irritation.
Eyes:	May cause eye irritation.
Route of entry:	Skin/eye contact, inhalation, and ingestion.
Target organs:	Eyes, skin, respiratory system, and lungs.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances:

This product is a preparation.

3.2 Mixtures:

Product Name:	Product Identifier:		Percent Range:	GHS Classification (EC1272/2008):
Ammonia	CAS No:	1336-21-6	<1%	Skin Corr. 1B - H314 Aquatic Acute 1 - H400
	EC No:	215-647-6		
Sodium Dodecyl Sulphate	CAS No:	151-21-3	10-20%	Acute Tox. 4 - H302 Skin Irrit. 2 - H315 Eye Irrit. 2 - H319
	EC No:	205-788-1		

Note: The full text for all R-Phrases and Hazard Statements are displayed in *Section 16*.

SECTION 4: FIRST AID MEASURES

4.1 Description of First Aid Measures:

Inhalation:	Move the exposed person to fresh air at once. Get medical attention if discomfort continues.
Ingestion:	Do not induce vomiting. Immediately rinse mouth and drink plenty of water (200-300 ml). Consult a physician for specific advice.
Skin:	Wash skin with soap and water. Get medical attention if irritation persists after washing.
Eyes:	Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyes wide apart. Get medical attention if discomfort continues.

4.2 Most Important Symptoms and Effects, Both Acute and Delayed:

General information:	Refer to Instructions For Use information for warnings, precautions, interactions, adverse reactions and important physician information.
Inhalation:	May cause irritation to the respiratory system.
Ingestion:	May be harmful if swallowed.
Skin:	Prolonged skin contact may cause redness and irritation.
Eyes:	Prolonged contact may cause redness and/or tearing. May cause severe irritation to eyes.

4.3 Indication of Any Immediate Medical Attention and Special Treatment Needed:

Treat symptomatically.

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing Media:

Water (fog) or foam for large fires. CO₂ or dry chemicals for small fires.

5.2 Special Hazards Arising from the Substance or Mixture:

Hazardous combustion products:	Water must be boiled off before product components will burn. Burning produces oxides of carbon and sulfur in large fires.
Unusual fire and explosion hazards:	None
Specific hazards:	None

5.3 Advice for Firefighters:**Special firefighting procedures:** Liquid will not sustain combustion.**Protective equipment for firefighters:** No specific recommendations.**SECTION 6: ACCIDENTAL RELEASE MEASURES****6.1 Personal Precautions, Protective Equipment, and Emergency Procedures:**

Follow precautions for safe handling described in this SDS. In case of spills, beware of slippery floors and surfaces.

6.2 Environmental Precautions:

Do not discharge non-diluted detergent into drains, water courses, or onto the ground. Diluted detergent offloaded from the Neptune system during the docking cycle is safe to dispose into drains.

6.3 Methods and Material for Containment and Cleaning Up:

Recover as much of the material as practical. Soak up remainder with sand, vermiculite, or other inert absorbent material and haul to an approved dump in accordance with federal, state, and local regulations. Wash contaminated area with copious amounts of water and flush into sanitary sewer line(s). Avoid direct discharge into natural waterways.

6.4 Reference to Other Sections:For waste disposal, see *Section 13*.**SECTION 7: HANDLING AND STORAGE****7.1 Precautions for Safe Handling:**

See Instructions For Use information for precautions. Wash hands after handling. Avoid contact with skin and eyes.

7.2 Conditions for Safe Storage, Including any Incompatibilities:

Keep containers tightly closed. Container should be stored at temperatures between 12.8°C (55°F) and 37°C (98.6°F) for product stability. DO NOT store near strong oxidizing agents. Avoid excessive heat for prolonged periods of time.

7.3 Specific End Use(s):The identified uses for this product are detailed in *Section 1.2*.**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION****8.1 Control Parameters:**

Product Name:	Country:	TWA - 8 (hrs):	STEL - 15 (min):
Ammonium Hydroxide	USA - TLV	25 ppm	35 ppm

8.2 Exposure Controls:**8.2.1 Engineering measures:**

Provide adequate ventilation.

8.2.2 Protective equipment:**Eye protection:** Wear safety glasses with side-shields or goggles to protect eyes against splashes and aerosol content.**Skin protection:** Protective gloves, face mask, long sleeved shirt, trousers and resistant footwear. Impervious apron may be used.**Other protection:** Provide eyewash station and safety shower where splashing is probable.



8.2.3 Environmental exposure controls:

Do not discharge into drains, water courses, or onto the ground.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on Basic Physical and Chemical Properties:

Appearance:	Green liquid	Vapor Pressure:	25 mm Hg 25°C (77°F)
Odor:	Aromatic	Vapor Density:	No data
Odor Threshold:	No data	Relative Density:	1.01-1.03
pH:	7.0-9.5	Bulk Density:	8.6-8.8 lb at 77°F (25°C), gal
Melting Point/Freezing Point:	No data	Solubility(ies):	Completely soluble in water
Initial Boiling Point	93.3°C (200°F)	Partition Coefficient:	No data
Flash Point:	No data	Auto Ignition Temperature:	No data
Evaporation Rate:	No data	Decomposition Temperature:	No data
Flammability:	No data	Viscosity:	No data
Flammability Limit – Lower	No data	Explosive Properties:	No data
Flammability Limit – Upper	No data	Oxidizing Properties:	No data

9.2 Other Information:

No other information.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:

Reacts with strong oxidizers, and strongly acidic solutions.

10.2 Chemical Stability:

Stable under normal temperature conditions and recommended use.

10.3 Possibility of Hazardous Reactions:

Reaction with: Strong oxidizers, and strongly acid solutions.

Hazardous polymerization: Will not polymerize.

10.4 Conditions to Avoid:

Avoid temperatures of below 10°C (50°F) or above 65.6°C (150°F). Do not mix with strong oxidizers or strongly acidic solutions.

10.5 Incompatible Materials:

Materials to avoid: Do not mix with strong oxidizers or strongly acidic solutions.

10.6 Hazardous Decomposition Products:

No data

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on Toxicological Effects:

11.1.1 Toxicological information:

No data

11.1.2 Acute toxicity:

No data

11.1.3 Skin corrosion/irritation:

Irritating

11.1.4 Serious eye damage/irritation:

No data

11.1.5 Respiratory or skin sensitization:

Respiratory sensitization: No data

Skin sensitization: No data

11.1.6 Germ cell mutagenicity:

Genotoxicity - In Vitro: No data

Genotoxicity - In Vivo: No data

11.1.7 Carcinogenicity:

IARC Carcinogenicity: No data

NTP Carcinogenicity: No data

11.1.8 Specific target organ toxicity - single exposure:

STOT - Single exposure: No data

STOT - Repeated exposure: No data

11.1.9 Route of entry:

Skin/eye contact, inhalation, and ingestion.

11.1.10 Target organs:

Eyes, skin, respiratory system, and lungs.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Ecotoxicity:

No data

12.2 Toxicity:

Acute Toxicity - Fish: No data

Acute Toxicity - Aquatic Invertebrates: No data

Acute Toxicity - Aquatic Plants: No data

12.3 Persistence and Degradability:

Degradability: The major component of this product is readily biodegradable.

12.4 Degradability:

Bioaccumulative potential: No data

12.5 Mobility in Soil:

Mobility: No data

12.6 Results of PBT and vPvB Assessment:

This product does not contain any PBT or vPvB substances.

12.7 Other Adverse Effects:

No data

SECTION 13: DISPOSAL CONSIDERATIONS**13.1 General Information:**

Dispose in accordance with local, state, or federal regulations.

13.2 Waste Treatment Methods:

Do not discharge non-diluted detergent into drains, water courses, or onto the ground. Diluted detergent offloaded from the Neptune system during the docking cycle is safe to dispose into drains. Rinse containers before disposal. Since emptied containers contain product residue, follow label warnings even after container is emptied. Dispose of all waste in accordance with local, state, and federal regulations covering solid waste disposal.

SECTION 14: TRANSPORT INFORMATION**14.1 UN Number:**

Not applicable

14.2 UN Proper Shipping Name:

Not applicable

14.3 Transport Hazard Class(es):

No transport warning sign required.

14.4 Packing Group:

Not applicable

14.5 Environmental Hazards:

Environmentally Hazardous Substance/Marine Pollutant: No

14.6 Special Precautions for User:

Not applicable

14.7 Transport in Bulk According to Annex II of MARPOL73/78 and the IBC Code:

Not applicable

SECTION 15: REGULATORY INFORMATION

15.1 International Legislation:

- 15.1.1 **EU Legislation:** Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 with amendments.
- 15.1.2 **Canadian Regulations:** This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the SDS contains all the information required by the Controlled Products Regulations.
- 15.1.3 **Australian Regulations:** **Carcinogen Classification Under WHS Regulation 2011, Schedule 10:** Not listed
Standard for the Uniform Scheduling of Medicines & Poisons: Ammonia, Schedule 6
- 15.1.4 **US Regulations:** This SDS was prepared in accordance with the (US) Hazard Communication Standard (29 CFR 1910.1200).
- | | |
|--|-------------------|
| SARA Section 302: | Not listed |
| SARA 313 Emission Reporting: | Ammonia (0.1000%) |
| California Prop 65: | Not listed |
| Massachusetts "Right-To-Know" List: | Ammonia (0.1000%) |
| New Jersey "Right-To-Know" List: | Ammonia (0.1000%) |
| Pennsylvania "Right-To-Know" List: | Not listed |

15.2 International Inventories:

EU - EINECS/ELINCS:	All listed
Canada - DSL/NDSL:	All listed
US - TSCA:	All listed
Australia - AICS:	All listed
Japan - MITI:	All listed
Korea - KECI:	All listed
China - IECSC:	All listed
Philippines - PICCS:	All listed
New Zealand - NZIOC:	All listed

15.3 Chemical Safety Assessment:

No chemical safety assessment has been carried out.

SECTION 16: OTHER INFORMATION

Indication of changes: SDS updated to reflect GHS and formatting of document.

Revision date: 07/2019

Revision: AA

Hazard statements in full:



H319 Causes serious eye irritation.

H314 Causes severe skin burns and eye damage.

H315 Causes skin irritation.

H302 Harmful if swallowed.

H335 May cause respiratory irritation.

H400 Very toxic to aquatic life.

Disclaimer

The foregoing information has been compiled by Stryker from sources it considers reliable and as of the date of this document, is believed to be accurate to the best of Stryker's knowledge. Before using the product identified hereon, all of the foregoing information should be carefully considered. The information herein applies only to the product identified hereon and does not relate to its use in combination with any other material or in any process. The information is provided in good faith to comply with applicable laws. However, no warranty or representation of law or fact, with respect to such information, is intended or given.