

Material safety data sheet

Product name: Blu62 Pretreatment Foam

	Australian sponsor	New Zealand sponsor
Name:	Stryker Australia	Stryker New Zealand
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SECTION 1: IDENTIFICATION

1.1 Product Identifier:

Product name: Blu62 Pretreatment Foam

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

Identified uses: Blu62 Pretreatment Foam is a specifically formulated spray that starts the cleaning process and prevents the drying of residue on soiled instruments.

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

Supplier: Stryker Distribution
6300 S. Sprinkle Road
Portage, Michigan 49002
United States
Phone: 1-269-389-3706

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:

Physical and chemical hazards:	Not classified
Human health:	Not classified
Environment:	Not classified

2.1.2 Classification in accordance with GHS:

Physical and chemical hazards:	Not classified
Human health:	Not classified
Environment:	Not classified

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

This product is not hazardous under the OSHA Hazard Communication Standard.

2.1.4 Classification in accordance with HSNO:

Not classified as hazardous in accordance with HSNO.

2.1.5 Classification in accordance with WHMIS:

Not Classified in accordance with WHMIS.

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:

Label in accordance with (EC) No. 1272/2008: No pictogram required.

Signal word: No signal word.

Hazard statements: No hazard statements required.

Precautionary statements:

P264	Wash hands thoroughly after handling.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P302 + P352	If on skin: Wash with plenty of soap and water.
P305 + P351 + P338	If in eyes: Rinse continuously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

2.3 Other Hazards:

No additional information available.

2.3.1 Potential Health Effects:

Inhalation:	Not an expected route of entry; however inhalation of spray mist may cause slight irritation of throat and lungs.
Ingestion:	Not an expected route of entry; however swallowing large amounts may cause injury.
Skin:	Exposure to liquid product may be slightly irritating to skin. Symptoms of exposure may include redness, swelling or pain.
Eyes:	Exposure to liquid product may cause slight irritation to eyes. Symptoms of exposure may include redness, swelling, tearing or pain.
Route of Entry:	No data
Target Organs:	No data

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):
Alcohols, C10-16	CAS No: 67762-41-8 EC No: 267-019-6	<1%	Aquatic Acute 1 - H400
Sulfuric acid, mono-C10-16-alkyl esters, sodium salts	CAS No: 68585-47-7 EC No: 271-557-7	<1%	Acute Tox.4 - H302 Skin Irrit.2 - H315 Eye Damage.1 - H318

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:	If irritation occurs; remove to fresh air. Seek medical assistance if irritation persists.
Ingestion:	If this product is ingested, drink small amounts of water and seek medical attention promptly. Not applicable; however if ingestion of a large amount does occur, seek medical attention. Do not induce vomiting.
Skin:	Wash area thoroughly with water, then with soap and water. Contaminated clothing should be washed before reuse.
Eyes:	Immediately flush eyes, including under the eyelids, with running water for 15 minutes. Seek medical assistance if irritation persists.

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

General information:	May be irritating to skin and eyes.
Inhalation:	Not an expected route of entry; however inhalation of spray mist may cause slight irritation of throat and lungs.
Ingestion:	Not an expected route of entry; however swallowing large amounts may cause injury.
Skin:	Exposure to liquid product may be slightly irritating to skin. Symptoms of exposure may include redness, swelling or pain.

Eyes: Exposure to liquid product may cause slight irritation to eyes. Symptoms of exposure may include redness, swelling, tearing or pain.

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: Smoke may contain the original material in addition to combustion products of varying composition which may be toxic and/or irritating. Combustion products may include 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: Self-contained breathing apparatus and full protective clothing must be worn in case of fire. Use protective equipment appropriate for surrounding materials.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal Precautions, Protective Equipment, and Emergency Procedures:

Isolate area and keep unauthorized and unprotected personnel from entering area. Spills will result in slippery conditions; use caution in spill area.

6.2 Environmental Precautions:

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

6.3 Methods and Material for Containment and Cleaning Up:

Contain spilled material and recover as much of the material as practicable. 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.

6.4 Reference to Other Sections:

For waste disposal, see *Section 13*.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for Safe Handling:

Wash hands thoroughly after handling. Do not get in eyes.

7.2 Conditions for Safe Storage, Including any Incompatibilities:

Containers should be stored at temperatures between 55-100°F for product stability. Do not store with strong oxidizing agents. Avoid excessive heat.

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:

No occupational exposure limits noted for ingredient(s).

8.2 Exposure Controls:

8.2.1 Engineering measures:

No special controls needed.

8.2.2 Protective equipment:

Eye protection: Splash protection eye wear with side shields.

Skin protection: Protective gloves.

Other protection: Provide eyewash station or 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:	Blue liquid	Vapor Pressure:	No data
Odor:	Slight aromatic odor	Vapor Density:	No data
Odor Threshold:	No data	Relative Density:	No data
pH:	6.5-8.5	Bulk Density:	8.6-8.8 lb at 77°F (25°C), gal
Melting Point/Freezing Point:	No data	Solubility(ies):	Infinite
Initial Boiling Point	> 212°F (>100°C)	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 acidic solutions.

Hazardous polymerization: Will not polymerize.

10.4 Conditions to Avoid:

Strong oxidizers. Do not mix with 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 toxicological information for the overall finished product.

11.1.2 Acute toxicity:

No data

11.1.3 Skin corrosion/irritation:

No data

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: Not listed

NTP Carcinogenicity: Not listed

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:

No data

11.1.10 Target organs:

No data

SECTION 12: ECOLOGICAL INFORMATION

12.1 Ecotoxicity:

Not regarded as dangerous to the environment.

12.2 Toxicity:

Acute Toxicity - Fish: LC 50 (pimephales promelas) \geq 500mg/ml

Acute Toxicity - Aquatic Invertebrates: No data

Acute Toxicity - Aquatic Plants: No data

12.3 Persistence and Degradability:

Degradability: 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:

None known

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 General Information:

When handling waste, consideration should be made to the safety precautions applying to handling of the product.

13.2 Waste Treatment Methods:

Do not dump into any sewers, on the ground, or into any body of water. 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: Not listed
- 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: | Not listed |
| California Prop 65: | Not listed |
| Massachusetts "Right-To-Know" List: | Not listed |
| New Jersey "Right-To-Know" List: | Not listed |
| Pennsylvania "Right-To-Know" List: | Not listed |

15.2 International Inventories:

EU - EINECS/ELINCS:	All listed
Canada - DSL/NDSL:	All listed on DSL
US - TSCA:	Not 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:	Updated Section 8.2.2 "Other protection".
Revision date:	01/2017
Revision:	D
Hazard statements in full:	No hazard statements required.

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.



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