Statguard® Epoxy Primer Application Instructions

Figure 1. Statguard® Epoxy Primer, Parts A and B

Description

Statguard® Epoxy Primer is a low viscosity, 100% solids, high build, fast cure, epoxy primer designed for use under the Statguard® Conductive Epoxy or where a high build primer is needed. This primer enhances adhesion by penetrating into the concrete substrate and helps reduce bubbling and pinholes that may occur when coating porous surfaces with high build coatings.

Per Handbook ESD TR20.20 ESD Floor section 5.3.4.7.3 “Epoxy and Polymeric Overlayments...have good chemical, solder, and abrasion resistance and will withstand heavy vehicle traffic. They are easier to maintain in comparison to other materials. They are seamless and can be used in many clean room environments. However, they cannot be used on access floor panels. Because epoxies are virtually manufactured on-site, proper installation techniques are critical to the successful performance of this type of material.”

NOTE: *Statguard® Conductive Epoxy has a one year shelf life from the date of invoice. The product should not be allowed to freeze. If the epoxy part A or part B freezes surround the closed container with hot water to thaw completely and melt the crystals back into liquid. Make sure epoxy is then brought up to room temperature (70 deg) before mixing and using. Store at temperatures above 50 degrees as stated in the Material Saftey Data Sheet. We recommend that these products be stored in their original containers and be sealed when not in use. We cannot guarantee performance if not properly stored, mixed or is after one year from date of sale.*

General Guidelines:

Surface Preparation

FOR INTERIOR USE ONLY. NOT INTENDED FOR EXTERIOR USE. The surface must be clean, dry, free of oil, grease, form release agents, curing compounds, laitance, and other foreign matter, and must be structurally sound. Remove all loose paint and mortar spatter. Use of Statguard® Epoxy Primer on improperly prepared surfaces is not recommended and will cause product failure.

New Poured Concrete

Cure at least 30 days. Test for moisture vapor content. Surface must be clean, dry, sound, and offer sufficient profile to achieve adequate adhesion. Minimum substrate cure is 28 days at 75°F. Remove all form release agents, curing compounds, salts, efflorescence, laitance, and other foreign matter by sandblasting, shotblasting, mechanical scarification, or suitable chemical means. Rinse thoroughly to achieve a final pH between 6.0 and 9.0. Allow to dry thoroughly prior to coating.

Old Poured Concrete

Surface preparation is done in much the same manner as new concrete; however, if the concrete is contaminated with oils, grease, chemicals, etc., they must be removed by cleaning with a strong detergent. Form release agents, hardeners, etc. must be removed by sandblasting, shotblasting, mechanical scarification, or suitable chemical means.

Wood:

A clean, sound wood surface is required. Remove any oils and dirt from the surface using degreasing solvent or strong detergent. Follow with sanding to remove loose or deteriorated surface wood and to obtain the proper surface profile. Remove all previously painted surfaces. If in sound condition, clean the surface of all foreign material. Smooth, hard, or glossy coatings and surfaces should be removed. Apply to a test area, allowing the primer to dry one week before testing adhesion.

Moisture in Flooring

For applications on concrete or porous surfaces, excess moisture in or below the material or concrete slab is the cause for many coating failures. Failures such as bond failures, warping, peeling, and bubble formation can appear months or years later due to the flow of moisture or moisture vapor through concrete. Ways to avoid such failures include: place concrete over an efficient vapor barrier, use low water-cement ratios in the concrete mix, adequately cure concrete, and test and measure moisture transmission using a calcium chloride test. The moisture levels cannot exceed 3 lbs. per 1,000 square feet per 24 hours a day.

Moisture Testing

Test the floor for moisture and pH using a Calcium Chloride moisture test kit. We recommend the Statguard Flooring Moisture Detection Test Kit. The moisture levels cannot exceed 3 lbs. per 1,000 square feet per 24 hours a day. Ensure that your floor is porous and breathing well before performing the test. If it is nonporous, then sand it with very abrasive sandpaper to open it up. It is porous enough when a few drops of water dropped on the surface readily absorb within 30 seconds. One test should be performed

at every 1,000 square feet of space. The pH cannot exceed 9; it must be neutralized before installing if it is too high. Be careful to follow the instructions and perform the test correctly to ensure against failures. **Note**: Keep in mind, that even if a moisture test shows that the floor has acceptable moisture levels, it is only at the time of the test that the levels were acceptable. It is possible for the weather, sprinkler systems, or other causes to bring the floor to unacceptable levels of moisture. Therefore, it is very important that some moisture vapor control and prevention was built for the floor as well, in the way of a moisture barrier. If no moisture barrier exists, then one should be installed. Any on or below grade slab should have a moisture barrier, according to industry standards. These recommendations are about our products ability to bond to sub floors.

Concrete as Under Layment

This should be heavyweight, or a manufacturer's guaranteed cement mix, installed according to manufacturer's specs. An out-of-level floor needs to be leveled by an experienced installer. Use a Portland cement type-leveling compound that will provide a minimum 3,500 PSI compressive strength (ASTM C109), be sufficiently bonded to the floor, and properly dried prior to installation of flooring. Failures can occur from patch or leveling compound not given sufficient time to dry.

Concrete Sub-Floor Preparation

ASTM F710-92 should be followed in preparing concrete sub floors to receive floor coatings. Fill all cracks, depressions, etc. with the leveling compounds according to manufacturer's specifications. The sub floor needs to be clean, dry, smooth, level, structurally sound, and free of dust, solvent, oil, grease, wax, paint, sealing compounds, old adhesive, or other foreign materials. Remove any curing, hardening, or breaking compounds using mechanical means, not solvents or chemicals.

Adhesion Testing

Representative areas should be tested for adhesion performance of the primer before applying coating to the entire floor. A licensed contractor is recommended to perform proper moisture testing and adhesion testing. To best ensure consistent results, the test should be done at various locations. Allow newly applied coating to dry a minimum of 48 hours before proceeding with the test. At humidity levels over 55% RH, allow 72 hours of drying time before testing. Use a razor to cut a cross or a few perpendicular lines over a 3" by 3" (75 mm by 75 mm) area on several spots of the thoroughly dried area. Use a piece of masking tape to cover the marked area. Make sure the tape is thoroughly adhered to the test area. Pull the tape off the surface and examine the amount of primer which has peeled off during the test. If any significant portion is transferred to the tape, better surface preparation (acid etching, cleaning or sanding) should be done on the substrate to enhance the adhesion.

Thinning

NOT RECOMMENDED.

Mixing

Before mixing Statguard® Epoxy Primer it is important that the surface is completely prepared and ready and that all tools and equipment are handy. To mix: Use electric or air mixer (approximately 250 rpm) with metal mixing blade (Jiffy Model HS or equal). Pre-mix both components. The mix ratio is 3 parts B to 1 part A by volume. Parts A and B are supplied pre-measured. Pour 1 gallon Part A hardener contents into the supplied 5 gallon Part B container holding the premeasured 3 gallons and mix for 2 to 3 minutes until material is thoroughly blended.

Application Conditions

Temperature: 55°F minimum, 95°F maximum(air, surface, and material)
At least 5°F above dew point

Relative humidity: 85% maximum

Application

FOR INTERIOR USE ONLY. NOT INTENDED FOR EXTERIOR USE. Immediately pour entire mixture onto the prepared substrate and spread material using a flat, rubber squeegee using sufficient pressure to work the primer into the porous surface. Immediately backroll the material with a quality 3/8" nap roller leaving 6-10 mils on the surface.

The fast set primer can be topcoated in 6 hours at 72°F. The primer must be tack free before topcoating. If pinholes or porosities are evident after initial cure of primer, repriming may be necessary, especially on very porous concrete.

Spread Rate

Apply primer at the recommended film thickness and spreading rate as indicated below:

Recommended Spreading Rate:

Wet mils:	8.0
Dry mils:	8.0
Coverage:	200 sq ft/gal approximate

Application of primer above maximum (10 mil) or below minimum (6 mil) recommended spreading rate may adversely affect coating performance.

Note: Apply by squeegee or roller only.

Performance Tips

Spreading rates are calculated on volume solids and do not include an application loss factor due to surface profile, roughness or porosity of the surface, skill and technique of the applicator, method of application, various surface irregularities, material lost during mixing, spillage, overthinning, climatic conditions, and excessive film build.

No reduction of material is recommended as it can affect film build, appearance, and adhesion.

Do not apply the material beyond recommended pot life.

Do not mix previously catalyzed material with new.
Refer to Product Information sheet for additional performance characteristics and properties.

Drying

Drying Schedule @ 8.0 mils wet @ 50% RH: @ 72°F
To touch: 4 - 6 hours

To recoat:
minimum: 6 hours
maximum: 24 hours

To cure: 7 days

If maximum recoat time is exceeded, abrade surface before topcoating. Drying time is temperature, humidity, and film thickness dependent.

Clean Up

Clean spills and spatters immediately with reducer. Clean tools immediately after use with reducer. Follow the manufacturer's safety recommendations when using any solvent.

Product Characteristics

Finish:	Satin Sheen
Color:	Clear
Pot Life:	30 minutes @ 72°F
VOC:	0 g/l; 0 lb/gal, mixed
Mix Ratio:	2 components, premeasured 3:1 by volume
Sweat-in-time:	None
Shelf Life:	18 months, unopened Store indoors at 40°F to 100°F
Flash Point:	>200°F, PMCC, mixed
Reducer:	Not Recommended

Performance Characteristics

- Abrasion resistant
- Fast dry
- Chemical resistant
- Impact resistant
- Low odor
- 100% solids
- 0 VOC
- Dry heat resistance: 180°F

WARNING! IRRITANT! HARMFUL IF SWALLOWED. MAY CAUSE EYE, NOSE, AND THROAT IRRITATION. AVOID CONTACT WITH SKIN AND EYES AND AVOID BREATHING OF VAPORS AND SPRAY MIST. WEAR EYE PROTECTION AND PROTECTIVE CLOTHING.

USE WITH ADEQUATE VENTILATION.

To avoid breathing vapors and spray mist, open windows and doors or use other means to ensure fresh air entry during application and drying. If you experience eye watering, headaches, or dizziness, increase fresh air and use a properly fitted respirator (NIOSH approved for organic vapor with P Series particulate prefilter). Obtain professional advice before using. A dust mask does not provide protection against vapors. Avoid contact with eyes and skin. Wash thoroughly after handling. Close container after each use. FIRST AID: If you experience difficulty in breathing, leave the area to obtain fresh air. If continued difficulty is experienced, get medical assistance immediately. In case of eye contact, flush immediately with plenty of water for at least 15 minutes and get medical attention; for skin, wash thoroughly with soap and water. If swallowed, get medical attention immediately.

CAUTION: KEEP OUT OF REACH OF CHILDREN. DO NOT TAKE INTERNALLY.

Limited Warranty

Desco Industries Inc. expressly warrants that for a period of one (1) year from the date of purchase, our Statguard® Epoxy Primer will be free of defects in material. Within the warranty period, the material will be replaced at our option, free of charge. Call our Customer Service Department at 781-821-8370 or 00 44 (0) 1892-665313 in Europe for a Return Material Authorization (RMA) and proper shipping instructions and address. You should include a copy of your original packing slip, invoice, or other proof of purchase date. Any material under warranty should be shipped prepaid to the Desco Industries Inc. factory. Warranty replacements will take approximately two weeks.

Warranty Exclusions

THE FOREGOING EXPRESS WARRANTY IS MADE IN LIEU OF ALL OTHER PRODUCT WARRANTIES, EXPRESSED AND IMPLIED, INCLUDING MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE WHICH ARE SPECIFICALLY DISCLAIMED. The express warranty will not apply to defects or damage due to accidents, neglect, misuse, alterations, operator error, or failure to properly maintain, clean, or repair products.

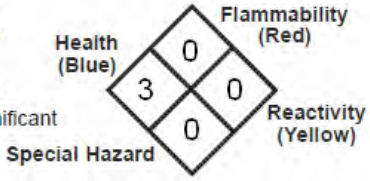
Limit of Liability

In no event will Desco Industries Inc. or any seller be responsible or liable for any injury, loss, or damage, direct or consequential, arising out of the use of or the inability to use the product. Before using, users shall determine the suitability of the product for their intended use, and users assume all risk and liability whatsoever in connection therewith.

Material Safety Data Sheet
May be used to comply with ANSI Z400.1-2004, 29 CFR 1910.1200, European 2001/58/EC, REACH 1907/2006/EC, and GHS. Standard must be consulted for specific requirements.

NFPA Designation 704

Degree of Hazard
4 = Extreme
3 = High
2 = Moderate
1 = Slight
0 = Insignificant



HMIS RATING: Health 1, Flammability 0, Physical Hazard 0, Personal Protection: B

SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name/Identity:	Statguard® Epoxy Primer, Part A
Chemical Name:	Statguard® Epoxy Primer
Manufacturer:	Desco Industries, Inc
Address:	One Colgate Way Canton, MA 02021
Telephone:	781-821-8370
Emergency Number:	781-821-8370
Date Prepared:	2011-01-01

SECTION 2 — HAZARDS IDENTIFICATION

Routes of Entry	
Eyes:	Causes mild irritation
Skin:	May cause mild irritation
Ingestion:	May cause mild irritation
Inhalation:	Spray mist may irritate respiratory tract.
Target Organs (Organs Effected):	Respiratory, Skin

SECTION 3 — COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Ingredients:	*CAS No.*	*Weight (%)*
Bisphenol A/Epichlorhdrin Epoxy	25068-38-6	60-100%
Alkyl Glycidyl Ether	68609-97-2	5-25%
# Phenol, Nonyl	84852-15-3	5-25%

* Indicates Item subject to reporting requirements of SARA 313,40 CFR 372.
# Indicates OSSA "SKIN DESIGNATION" exposure hazard (29 CFR Table Z-1-A). Materials listed for this product are on the TSCA inventory list.

SECTION 4 — FIRST AID MEASURES

Symptoms of Exposure: *(Acute and Delayed*)	Temporary dizziness, headache, possibly nausea, dermatitis.
Emergency and First Aid Procedures:	
Eye Contact:	Flush eyes with water for at least 15 minutes. Contact a physician.
Skin Contact:	Wash skin with soap and water
Ingestion:	DO NOT induce vomiting. Contact a physician at once.
Inhalation:	Remove patient to fresh air.

SECTION 5 — FIREFIGHTING MEASURES

Proper Extinguishing Media:	Foam, dry chemical, or carbon dioxide.
Unsuitable Extinguishing Methods:	N/A
Protective Equipment & Precautions:	Wearing of appropriate protective equipment and clothing
Flash Point (Method Used):	>250°F Tag Closed Cup
Flammable Limits:	N/A
Special Fire Fighting Procedures:	Cool containers with water. Use self-contained breathing apparatus and stay upwind.
Unusual Fire and Explosion Hazards:	No unusual fire hazards.

SECTION 6 — ACCIDENTAL RELEASE MEASURES

Personal Precautions:	Wearing protective clothing, neoprene gloves, and goggles. Apply in a well-ventilated area.
Environmental Precautions:	Biodegradable
Cleaning Procedures:	Absorb spill with inert material (e.g. sand or earth), then place in a chemical waste container. Observe all applicable local, state, and federal waste management regulations.
Other Precautions:	Use standard safety practices when using this product.

SECTION 7 — HANDLING AND STORAGE

Handling:	Use in well-ventilated areas; avoid breathing vapors. Keep containers closed when not in use. Avoid from freezing.
Storage:	Store in a cool, dry place. Other Precautions: Keep from freezing.

SECTION 8 — EXPOSURE CONTROL / PERSONAL PROTECTION

Hazardous Ingredients:	*CAS No.*	*TLV-value*	*OSHA-PEL*
Bisphenol A/Epichlorhdrin Epoxy	25068-38-6	2 PPM	5 PPM
Alkyl Glycidyl Ether	68609-97-2	N/A	N/A
# Phenol, Nonyl	84852-15-3	N/A	N/A

Other Regulations:	None
Measures for Technical Control:	Preferences of technical measure to prevent or control contact with the product. Isolating process and personnel, mechanical ventilation (dilution and local exhaust) and the regulation of process conditions. In case of non-prevention or non-control, a proper protective wearing should be used.
Respiratory Protection *(Specify Type):*	Use NIOSH approved mist respirator where spray mist occurs.
Hand Protection:	Neoprene Rubber Gloves
Eye Protection:	Safety glasses or Chemical Splash Goggles as defined in ANSI Z-87.1 or a similar standard.
Other Protective Clothing or Equipment:	Eyewash station. Use protective clothing to keep personal exposure to a minimum.
Work/Hygienic Practices:	Wash hands before eating, smoking, or using washroom facilities
Ventilation:	Use a local exhaust fan if the vapor concentration is above the LEL (lower explosive limit) and the TLV (threshold limit value).

SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

Form:	Liquid
Color:	Clear
Odor:	N/A type odor
Boiling Point:	392°F to 560°F
Melting Point:	N/A
Specific Gravity (H_2O = 1):	1.102
Solubility in Water:	0% Soluble
pH:	N/A
Flash Point:	>250°F Tag Closed Cup
Flammability Limits:	N/A
Vapor Pressure (mm Hg):	1
Vapor Density (air=1):	Heavier than air
Density at 20°C:	9.18 lbs./gal
Flammability:	Classification according to EC-regulations “non-flammable”
Ignition Temperature:	N/A
Evaporation Rate:	Slower than n-butyl acetate
VOC (Minus Exempt):	2.4 grams/liter (Part A) 0.6 grams/liter (As Used with both Part A and B mixed).

SECTION 10 — STABILITY AND REACTIVITY

Hazardous Decomposition/Byproducts:	Aldehydes, carbon dioxide, carbon monoxide.
Incompatibility *(Materials to Avoid):*	Acids, alkaline materials, strong oxidizing agents.
Stability/Reactivity:	Stable product at normal conditions.
Conditions to Avoid:	Temperatures above 43°C/110°F and below 10°C/50°F
Hazardous Polymerization	Will not occur.

SECTION 11 — TOXICOLOGICAL INFORMATION

Acute toxicity:	None known
Special Effects:	None known

Carcinogenicity:	NTP	IARC Monographs	OSHA Regulated
	No	No	No

SECTION 12 — ECOLOGICAL INFORMATION

No environmental hazards have been reported or known.

Degradability:	N/A
Bioaccumulation:	Not likely
Ecotoxicity:	None known
Reference to BimSchV:	N/A
Hazard Classification:	None hazardous

SECTION 13 — DISPOSAL CONSIDERATIONS

Product:	Absorb spill with inert material (e.g. sand or earth), then place in a chemical waste container. Observe all applicable local, state, and federal waste management regulations.
Waste Disposal Method:	In accordance with local, state, and federal regulations.
Hazardous Waste Number:	Non Hazardous

SECTION 14 — TRANSPORT INFORMATION

This product does not require classification for transport under ADR/IMDG regulations

SECTION 15 — REGULATORY INFORMATION

Physical/Chemical Indication:	Non-flammable
Risk-phrase:	(R36/38): irritating to eyes, respiratory system, and skin.
Safety Phrase:	(S2): keep away from children, (S7): keep containers well closed, (S24/25): avoid contact with skin and eyes, (S62): if swallowed, do not induce vomiting; seek medical advice immediately and show this container or label.
EU Classification: (67/548/EEC-88/379/EEC):	This product does not have to be classified according to the EU Regulations.
EINECS Status:	All components are included in the EINECS inventories.
TSCA	All ingredients of this product are listed or are excluded from the listing on the U.S. Toxic Substance Control Act Chemical Substance inventory.
REACH	This product does not require REACH registration.

SECTION 16 — OTHER INFORMATION

HMIS RATING: Health 1, Flammability 0, Physical Hazard 0, Personal Protection B

NFPA RATING: Special Hazard 0, Health 3, Flammability 0, Reactivity 0

Date of last revision: 2009-11-19

Disclaimer

The information given in this publication has been worked up to the best of the knowledge of Desco Industries Inc, as well as taking into consideration the applicable laws and regulations. We cannot anticipate all conditions under which this information and our products or the products of the manufacturers in combination with our products may be used. We accept no responsibility for the results obtained by the application information or the safety and suitability of our product or product combination with other products. Users are advised to make their own tests to determine the safety and suitability of each such product or product combination for their own purposes. Unless otherwise agreed in writing, we sell the products without warranty, and buyers and users assume responsibility and liability for loss or damage arising from the handling and use of our products, whether used alone or in combination with other products.

N/A = Not Applicable; NE = None Established

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Material Safety Data Sheet
May be used to comply with ANSI Z400.1-2004, 29 CFR 1910.1200, European 2001/58/EC, REACH 1907/2006/EC, and GHS. Standard must be consulted for specific requirements

HMIS RATING: Health 0, Flammability 0, Physical Hazard 0, Personal Protection: None

SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name/Identity:	Statguard® Epoxy Primer, Part B
Chemical Name:	Statguard® Epoxy Primer
Manufacturer:	Desco Industries, Inc
Address:	One Colgate Way Canton, MA 02021
Telephone:	781-821-8370
Emergency Number:	781-821-8370
Date Prepared:	2009-11-19

SECTION 2 — HAZARDS IDENTIFICATION

Routes of Entry

Eyes:	May cause severe irritation with corneal injury, which may result in permanent impairment of vision, even blindness. Vapors may irritate eyes.
Skin:	May cause severe injury to skin following prolonged or repeated contact, and may cause skin sensitization or other allergic responses.
Ingestion:	May cause severe and permanent damage to mouth, throat, and stomach.
Inhalation:	Vapors/mists may be corrosive to upper respiratory tract. Repeated exposure may result in lung damage. May be toxic if inhaled.
Target Organs (Organs Effected):	NONE

SECTION 3 — COMPOSITION/INFORMATION ON INGREDIENTS

**There are no items listed and subjected to the reporting requirements of the SARA Title III Section 313 Inventory of the Emergency Planning and Community Right-To-Know Act of 1986 and of 40 CFR372.*

SECTION 4 — FIRST AID MEASURES

Symptoms of Exposure: *(Acute and Delayed)*	No special health hazards with this product.

Emergency and First Aid Procedures:

Eye Contact:	Flush eyes with water for at least 15 minutes. Contact a physician.
Skin Contact:	Flush skin with plenty of water for at least 15 minutes. Contact a physician.
Ingestion:	DO NOT induce vomiting. Give one glass of water unless victim is drowsy. Contact a physician.
Inhalation:	Move subject to fresh air. Contact a physician.

SECTION 5 — FIREFIGHTING MEASURES

Proper Extinguishing Media:	Carbon dioxide, dry chemical, and foam. Water may cause frothing.
Unsuitable Extinguishing Methods:	N/A
Protective Equipment & Precautions:	Wearing of appropriate protective equipment and clothing
Flash Point (Method Used):	0 Tag Closed Cup
Flammable Limits:	N/A
Special Fire Fighting Procedures:	Cool containers with water.
Unusual Fire and Explosion Hazards:	No special fire hazards.

SECTION 6 — ACCIDENTAL RELEASE MEASURES

Personal Precautions:	Wear protective clothing, butyl or viton rubber gloves, and goggles. Apply in ventilated areas.
Environmental Precautions:	Biodegradable
Cleaning Procedures:	Ventilate area. Pick up with absorbent material and place in closed containers. Large spills should be diked and removed to a waste tank. Incinerate in an approved incinerator or dispose of in a chemical dump in accordance with local, state, federal regulations.

SECTION 7 — HANDLING AND STORAGE

Handling:	Use in well-ventilated areas; avoid breathing vapors. Keep containers closed when not in use. Avoid from freezing.
Storage:	Storage temperature: Min. 10°C/50°F - Max. 43°C/110°F
Other Precautions:	Keep from freezing.

SECTION 8 — EXPOSURE CONTROL / PERSONAL PROTECTION

Other Regulations:	*None*
Measures for Technical Control:	*Preferences of technical measure to prevent or control contact with the product. Isolating process and personnel, mechanical ventilation (dilution and local exhaust) and the regulation of process conditions. In case of non-prevention or non-control, a proper protective wearing should be used.*
Respiratory Protection (Specify Type):	*Wear MSHA/NIOSH-approved respirator where exposure limits are exceeded.*
Hand Protection:	*Butyl or Viton Rubber Gloves*
Eye Protection:	*Safety glasses or Chemical Splash Goggles as defined in ANSI Z-87.1 or a similar standard.*
Other Protective Clothing or Equipment:	*Eyewash station*
Work/Hygienic Practices:	*Wash hands before eating, smoking or using washroom facilities*

SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

Form:	Liquid
Color:	Clear, colored material
Odor:	Mild type odor
Boiling Point:	>247°C
Melting Point:	N/E
Specific Gravity (H2O = 1):	.996
Solubility in Water:	Partial
pH:	7.0-8.0
Flash Point:	0°F Tag Closed Cup
Flammability Limits:	N/A
Vapor Pressure (mm Hg):	.1 @ 20°C
Vapor Density (air=1):	Heavier than air
Density at 20°C:	8.30 lbs./gal
Flammability:	Classification according to EC-regulations “non-flammable”
Ignition Temperature:	N/A
Evaporation Rate:	N/E
VOC per Method 24 of EPA:	0 grams/liter

SECTION 10 — STABILITY AND REACTIVITY

Hazardous Decomposition/Byproducts:	Acrid fumes, CO, CO2, unknown nitrogen compounds.
Incompatibility (Materials to Avoid):	Strong oxidizing agents.
Stability/Reactivity:	Stable product at normal conditions.
Conditions to Avoid:	Open flame and sparks
Hazardous Polymerization:	Will not occur.

SECTION 11 — TOXICOLOGICAL INFORMATION

Acute toxicity:	None known
Special Effects:	None known

Carcinogenicity:	NTP	IARC Monographs	OSHA Regulated
	No	No	No

SECTION 12 — ECOLOGICAL INFORMATION

No environmental hazards have been reported or known.

Degradability:	N/A
Bioaccumulation:	Not likely
Ecotoxicity:	None known
Reference to BimSchV:	N/A
Hazard Classification:	Non hazardous

SECTION 13 — DISPOSAL CONSIDERATIONS

Product:	In accordance with local, state, and federal regulations.
Hazardous Waste Number:	Non Hazardous

SECTION 14 — TRANSPORT INFORMATION

This product does not require classification for transport under ADR/IMDG regulations

SECTION 15 — REGULATORY INFORMATION

Physical/Chemical Indication:	Non-flammable
Safety Phrase:	(S2): keep away from children, (S7): keep containers well closed, (S24/25): avoid contact with skin and eyes, (S62): if swallowed, do not induce vomiting; seek medical advice immediately and show this container or label.
EU Classification: (67/548/EEC-88/379/EEC):	This product does not have to be classified according to the EU Regulations.
EINECS Status:	All components are included in the EINECS inventories.
TSCA	All ingredients of this product are listed or are excluded from the listing on the U.S. Toxic Substance Control Act Chemical Substance inventory.
REACH:	This product does not require REACH registration.

SECTION 16 — OTHER INFORMATION

HMIS RATING: Health 0, Flammability 0, Physical Hazard 0, Personal Protection None

NFPA RATING: Special Hazard 0, Health 3, Flammability 1, Reactivity 1

Date of last revision: 2009-11-19

Disclaimer

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