## DESCO TECHNICAL BULLETIN TB-2089 :

# Application Instructions For Statguard<sup>®</sup> Low Residue Floor Stripper





Item No. 10441, 2.5 Gallon Bag-in-Box; Item No. 10442, 5 Gallon Bag-in-Box

### Description

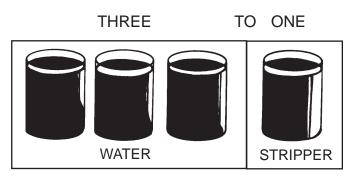
Statguard<sup>®</sup> Low Residue Floor Stripper is a strong, nonammoniated, phosphate-free floor stripper. Its clear, mild pH formulation is designed to break up and lift multiple layers of Statguard<sup>®</sup> floor finish.

### **General Guidelines**

Statguard<sup>®</sup> Low Residue Floor Stripper is designed specifically for use with the Statguard<sup>®</sup> and Statfree<sup>®</sup> Static Dissipative Floor Finishes and similar polymer type floor finishes. The mild pH formulation is non-ammoniated, phosphate-free, and biodegradable. Excellent removability properties enable the stripper to break up and lift multiple layers of static dissipative (ESD) type floor finish when used on vinyl, concrete, rubber, terrazzo, quarry tile, brick, slate, and unglazed ceramic. It is not recommended for use on asphalt tile, linoleum and Dutch linoleum floors; test for bleaching on a small area first. Use in a well ventilated area. Coverage is 400 sq. ft. per gallon of concentrate, when diluted to a 3:1 ratio.

### Application

Always use in a well ventilated area or wear a suitable respirator. Wear appropriate eye protection such as splash goggles and impervious type protective gloves.

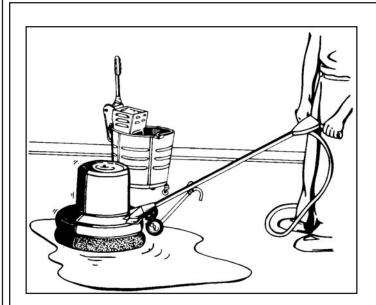


1. Mix Statguard<sup>®</sup> Low Residue Floor Stripper 3:1, three (3) parts HOT water to one (1) part stripper.



2. Apply stripper liberally to the floor in need of stripping. Using a cotton mop, uniformly distribute the solution. Let the solution sit for 7-10 minutes. Do not let it dry.

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3. Using a scrubbing machine @ 175 RPM, and a synthetic pad (green to black), scrub the area to be stripped.

4. Clean area using hot water and the same cotton mop.

5. Reapply Statguard  $^{\ensuremath{\mathbb{R}}}$  Low Residue Floor Stripper, repeat steps 2-4.

6. Rinse area TWICE using hot water and a clean mop.

7. Using a wet vacuum or mop to remove rinse water from floor.

### **Physical Properties**

рН	10.5
% Solids	2%
Density @ 70°F	8.38 lbs./gallon
Color	Light red
Solubility in water	100%
% Volatile by Wt.	98%

**NOTE:** Statguard<sup>®</sup> Low Residue Floor Stripper does not have a set life span. The chemicals are not known to degrade over time when stored at the proper temperature conditions as stated in the Material Safety Data Sheet. We also recommend that the product be stored in its original container and be sealed when not in use.

#### Testing

It is recommended to test the stripped surfaces after the second rinse to ensure that high pH residues are rinsed away. Some high pH strippers will leave a residue behind even after several rinses. A high pH can effect the floor finish curing time as well as other properties of the finish. To test for pH residue, test either the rinse water or the floor using either a pH measuring instrument or a piece of pH indicating litmus paper. A safe pH will be between 7.0 (neutral) and 9.9 (mildly alkaline). Some sources for litmus paper are Micro Essential Laboratory, Brooklyn, NY 11210 or Fisher Scientific, Fair Lawn, New Jersey 07410.

#### Limited Warranty

Desco expressly warrants that for a period of one (1) year from the date of purchase, Desco Statguard<sup>®</sup> Low Residue Floor Stripper will be free of defects in material. Within the warranty period, the material will be tested, repaired, or replaced at Desco's option, free of charge. Call Customer Service at 781-821-8370 (Canton, MA) for Return Material Authorization (RMA) and proper shipping instructions and address. Include a copy of your original packing slip, invoice, or other proof of date of purchase. Any unit under warranty should be shipped prepaid to the Desco 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 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.

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Section I     Emergency Telephone Number       Desco     Telephone Number for Information       2020     (781) 821-8370       Date Prepared     02-01-05       Signature of Prepared     02-01-05       Statguard®     Signature of Preparer (Optional)       Statguard®     Signature of Preparer (Optional)       Statguard®     NE       Statguard®     NE       Statguard®     Signature of Preparer (Optional)       Statguard®     NE       Statguard®     NE       Statguard®     NE       Statguard®     NE       Section II - Hazardous Ingredients/Identity Information     Statguard®       Statguard®     NE       Statguard     NE       Statguard     NE       Statguard     NE	Material Safety Data Sheet May be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910.1200, Standard must be consulted for specific requirements.			704 Health (Blue) 3 Insignificant Special Hazard 0	Flammability (Red) 0 Reactivity (Yellow)	
Starguard® Low Residue Hoor Stripper       Immution is available the space induction is available to the space induction and the back. Ethanol Amaine can chemically react with aluminum above 60°C resulting is available to the space induction and th	IDENTITY (As Used on Label and List)		Note: Blank spaces are not	permitted If any item it not apr	plicable or no	
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Desco         Desco           Valences (Annober, Street, City, State, and Zip Code)         Telephone Number for Information           90 Hudson Road, Canton, MA 02021         Data Prepared           102-01-05         Signature of Preparer (Optional)           Section II - Hazardous Ingredients/Identity Information           Statyuard®           Section II - Mazardous Ingredients/Identity Information           Section III - Feig           Section III - Physical Data           Section III - Physical Data           Section III - Physical Data           Section III - Physical Data <td colspa<="" td=""><td></td><td></td><td>Emergency Telephone Num</td><td>her</td><td></td></td>	<td></td> <td></td> <td>Emergency Telephone Num</td> <td>her</td> <td></td>			Emergency Telephone Num	her	
20 Hadson Road, Canton, MA 02021     (781) 821-8370       Date Propared       0.20-01-05     Signature of Prepared       Section II - Hazardous Ingredients/Identity Information       Statiguard®       Statiguard® <td< td=""><td>Desco</td><td></td><td></td><td></td><td></td></td<>	Desco					
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02-01-05           Signature of Preparer (Optional)           Section II - Hazardous Ingredients/Identity Information           Statguard®         Other Limits           Statguard®         Other Limits         NE         S225           Statguard®         NE         S25           Statguard®         NE         NE         Statguard®         Statguard®         Statguard®         Statguard® <th colsp<="" td=""><td>90 Hudson Road, Canton, MA 02021</td><td></td><td>(781) 821-8370</td><td></td><td></td></th>	<td>90 Hudson Road, Canton, MA 02021</td> <td></td> <td>(781) 821-8370</td> <td></td> <td></td>	90 Hudson Road, Canton, MA 02021		(781) 821-8370		
Signature of Preparer (Optional)           Section II - Hazardous Ingrecients/Identity Information           Statyuart®         Other Limits           Kaurous Componens (Sports Chemical Varity)         OBH APEL         ACGH TLV         Recommended         % (option           Glycol Ether CAS NO: 111-76-2         25ppm         25ppm         NE         5-25           Ethanol, 2-Amine CAS NO: 111-76-2         25ppm         3ppm         NE         5-25           Sopropanol CAS No: 67-63-0         400 ppm         500 ppm         NE         5-25           Water CAS No: ION HAZ         NE         NE         NE         60-100           Section III - Physical Data         Specific Gravity (HgD = 1)         1.0 - 1.2         1.0 - 1.2           Vapor Pressure (nm hg.)         17         32°F Water         32°F         32°F           Vapor Oressure (nm hg.)         17         32°F Water         32°F         32°F           Vapor Oressure (nm hg.)         17         20°C/68°F         32°F         32°F           Stability in Water         Dilutable         Appearance and Odor         Light red; mild odor         N/A           Section IV - Fire and Explosion Hazard Data         N/A         N/A         N/A         N/A           Nival Special Fine Fighting Pro			Date Prepared			
Section II - Hazardous Ingredients/Identity Information         Statiguard®       Other Limits         ACGH TLV       Other Limits         ACGH TLV       Other Limits         Recommended       % (pption         Colspan= 25ppm       NE       5.25         Colspan= 0.0000       NE       5.25         Section II - Physical Data         Section II - Physical Data         Boling Point       NE       NE       6.000000000000000000000000000000000000			02-01-05			
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Haran Sun Components (Specific Chemical Identity)     OSHA PEL     ACGH TLV     Recommended     % (option       Glycol Ether CAS No: 111-76-2     25ppm     25ppm     3ppm     NE     5.25       Ethanol, 2-Amine CAS No: 111-76-2     3ppm     3ppm     NE     5.25       Exprepanol CAS No: 67-63-0     400 ppm     500 ppm     NE     5.25       Water CAS No: NON HAZ     NE     NE     NE     60-100       Section III - Physical Data     Specific Gravity (H <sub>2</sub> O = 1)     1.0 - 1.2       Olor CY212*F     Water     >212°F     1.0 - 1.2       Vapor density     Evaporation Rate     32°F     32°F       Uapor density     Evaporation Rate     1.0 - 1.2       Solubity in Water     1.20°C/08°F     1.7     32°F Water     32°F       Dilutable     Appearance and Odor     Evaporation Rate     1.0 - 1.2       Exertion IV - Fire and Explosion Hazard Data     Evaporation Rate     1.0 - 1.2       Specific Gravity (Media N/A     N/A     N/A     N/A       N/A     N/A     N/A     N/A     N/A       Solubity in Water     N/A     N/A     N/A     N/A       Dilutable     NA     N/A     N/A     N/A       Specific Fire Fighting Media N/A     N/A     N/A     N/A		nformation				
Ethanol, 2-Amine CAS No.: 141-43-5       3ppm       3ppm       3ppm       NE       5-25         Isopropanol CAS No.: 67-63-0       400 ppm       500 ppm       NE       5-25         Water CAS No.: NON HAZ       NE       NE       NE       60-100         Section III - Physical Data       Specific Gravity (HgO = 1)       10.0 - 1.2       10.0 - 1.2         Soling Point       >212°F       Melting Point       32°F       32°F         Vator Pressure (mm hg.)       17       32°F Water       32°F       32°F         Vator Pressure (mm hg.)       17       32°F Water       32°F       32°F         Vator Pressure (nm hg.)       17       32°F Water       32°F       32°F         Vator Pressure (nm hg.)       17       32°F Water       32°F       32°F         Subulity in Water       Dilutable       Vater       400       Na       Na         Dilutable       NA       NA       N/A       N/A       N/A         Section IV - Fire and Explosion Hazard Data       Flammable Limits       LEL       UEL       UEL       N/A       N/A         Non- combustible       N/A       N/A       N/A       N/A       N/A       N/A         N/A       Special Fire Fighing Proced	Statguard® Hazardous Components (Specific Chemical Identity)	OSHA PEL	ACGIH TLV		% (optional)	
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Isopropanol CAS No: 67-63-0 400 ppm 500 ppm NE 5-25 Water CAS No: NON HAZ NE NE NE NE NE NE 60-100 Section II - Physical Data Bolling Point 100°C/212°F Water 2212°F 100°C/212°F Water 2212°F 22°F 22°F 22°F 22°F 22°F 22°F 22	Ethanol 2 Amine CAS No : 1/1-/3-5	3nnm	3ppm	NE	5-25	
NE       NE       NE       NE       06-100         Section II - Physical Data       Specific Gravity (H <sub>2</sub> O = 1)       1.0 - 1.2         100°C/212°F Water       >212°F       1.0 - 1.2         Vapor Pressure (mm hg.)       17       32°F Water       32°F         Yapor density       Evaporation Rate (Butyl Acetate = 1)       Less than 1, Water       32°F         Solubility in Water       Dilutable       NA       NA         Paperance and Odor       Light red; mild odor       UEL       UEL       UEL         Section IV - Fire and Explosion Hazard Data       Flammable Limits       LEL       UEL       N/A         Rish Point (Method Used)       N/A       N/A       N/A       N/A       N/A         Special Fire Fighting Procedures       UEL       N/A       N/A       N/A       N/A         Wapor can travel to a source of ignition and flash back. Ethanol Amine can chemically react with aluminum above 60°C resulting in corrosion and a potential release of highly flammable hydrogen gas.       DESCO WEST - 3851 Walnut Avenue, Chino, CA 91710 • (09) 627-8178 • Fax (09) 627-7449		**	**			
Section III - Physical Data         Boiling Point       >>212°F       Specific Gravity (H <sub>2</sub> O = 1)       1.0 - 1.2         Vapor Pressure (mm hg.)       Melting Point       32°F         17 20°C/68°F       17       32°F Water       32°F         Vapor density       Evaporation Rate (Butyl Acetate = 1)       Less than 1, Water       32°F         Solubility in Water       Dilutable       -       -         Appearance and Odor       Light red; mild odor       -         Section IV - Fire and Explosion Hazard Data       -       -         Flash Point (Method Used)       Flammable Limits       LEL       UEL         N/A       N/A       N/A       N/A       N/A         Special Fire Fighting Procedures       -       -       -         Wapor can travel to a source of ignition and flash back. Ethanol Amine can chemically react with aluminum above 60°C resulting in corrosion and a potential release of highly flammable hydrogen gas.       -       -         DESCO WEST - 3651 Walnut Avenue, Chino, CA 91710 • (909) 627-8178 • Fax (909) 627-7449       -       -				· · · · · · · · · · · · · · · · · · ·		
Boiling Point Specific Gravity (H <sub>2</sub> O = 1) 1.0 - 1.2 Vapor Pressure (mm hg.) 120°C/68°F 17 32°F Water 32°F Vapor density Evaporation Rate (Butyl Acetate = 1) Less than 1, Water 32°F Vapor density Evaporation Rate (Butyl Acetate = 1) Less than 1, Water 420°F Solubility in Water Dilutable Appearance and Odor Light red; mild odor Section IV - Fire and Explosion Hazard Data Flash Point (Method Used) N/A N/A Extinguishing Media N/A Special Fire Fighting Procedures Wear self-contained breathing apparatus (pressure demand, MSHA/NIOSH-approved) and full protective gear 40°C resulting in corrosion and a potential release of highly flammable hydrogen gas. DESCO WEST - 3651 Walnut Avenue, Chino, CA 91710 • (909) 627-8178 • Fax (909) 627-7449	Water CAS No.: NON HAZ	NE	NE	NE	60-100	
Defect       Melting Point         17       32°F Water         120°C/68°F       17         32°F Water       32°F         Vapor density       Evaporation Rate (Butyl Acetate = 1)       Less than 1, Water         Dilutable       Appearance and Odor       Light red; mild odor         Section IV - Fire and Explosion Hazard Data       Flammable Limits       LEL         N/A       N/A       N/A         Section IV - Fire and Explosion Hazard Data       V/A       N/A         Section IV - Fire and Explosion Hazard Data       UEL       UEL         Non-combustible       N/A       N/A       N/A         N/A       N/A       N/A       N/A       N/A         Special Fire Fighting Procedures       UEL       URL       Unusual Fire and Explosion Hazards         Wapor s can travel to a source of ignition and flash back. Ethanol Amine can chemically react with aluminum above 60°C resulting in corrosion and a potential release of highly flammable hydrogen gas.       DESCO WEST - 3651 Walnut Avenue, Chino, CA 91710 • (909) 627-8178 • Fax (909) 627-7449	Section III - Physical Data Boiling Point		Specific Gravity (H <sub>2</sub> O = 1)			
17       32°F Water       32°F         Vapor density       Evaporation Rate (Butyl Acetate = 1)       Less than 1, Water         Solubility in Water       Dilutable       Appearance and Odor         Light red; mild odor       Section IV - Fire and Explosion Hazard Data       Image: Section IV - Fire and Explosion Hazard Data         Section IV - Fire and Explosion Hazard Data       Flammable Limits       LEL       UEL         Non-combustible       N/A       N/A       N/A         Special Fire Fighting Procedures       Users and full protective gear       Unusual Fire and Explosion Hazards         Wapors can travel to a source of ignition and flash back. Ethanol Amine can chemically react with aluminum above 60°C resulting in corrosion and a potential release of highly flammable hydrogen gas.       DESCO WEST - 3851 Walnut Avenue, Chino, CA 91710 • (909) 627-8178 • Fax (909) 627-7449	100°C/212°F Water	>212°F			1.0 - 1.2	
Vapor density       Evaporation Rate (Butyl Acetate = 1)       Less than 1, Water         Solubility in Water       Dilutable         Appearance and Odor       Light red; mild odor         Section IV - Fire and Explosion Hazard Data       Evaporation Rate (N/A)         Flash Point (Method Used)       Flammable Limits         Non-combustible       N/A         N/A       N/A         Special Fire Fighting Procedures       Wear self-contained breathing apparatus (pressure demand, MSHA/NIOSH-approved) and full protective gear         Unusual Fire and Explosion Hazards       Vapors can travel to a source of ignition and flash back. Ethanol Amine can chemically react with aluminum above 60°C resulting in corrosion and a potential release of highly flammable hydrogen gas.         DESCO WEST - 3651 Walnut Avenue, Chino, CA 91710 • (909) 627-8178 • Fax (909) 627-7449		17	-		2205	
Less than 1       (Butyl Acetate = 1)       Less than 1, Water         Solubility in Water       Dilutable         Appearance and Odor       Light red; mild odor         Section IV - Fire and Explosion Hazard Data       Image: Comparison of the section of t		17			32°F	
Solubility in Water Dilutable Appearance and Odor Light red; mild odor Section IV - Fire and Explosion Hazard Data Flash Point (Method Used) Non-combustible Extinguishing Media N/A N/A N/A Special Fire Fighting Procedures Wear self-contained breathing apparatus (pressure demand, MSHA/NIOSH-approved) and full protective gear Unusual Fire and Explosion Hazards Vapors can travel to a source of ignition and flash back. Ethanol Amine can chemically react with aluminum above 60°C resulting in corrosion and a potential release of highly flammable hydrogen gas. DESCO WEST - 3651 Walnut Avenue, Chino, CA 91710 • (909) 627-8178 • Fax (909) 627-7449			(Butyl Acetate = 1)	Less than 1, Water		
Dilutable Appearance and Odor Light red; mild odor  Section IV - Fire and Explosion Hazard Data Flash Point (Method Used) Flash Point (Method Used) N/A N/A N/A Extinguishing Media N/A Special Fire Fighting Procedures Wear self-contained breathing apparatus (pressure demand, MSHA/NIOSH-approved) and full protective gear Unusual Fire and Explosion Hazards Vapors can travel to a source of ignition and flash back. Ethanol Amine can chemically react with aluminum above 60°C resulting in corrosion and a potential release of highly flammable hydrogen gas.					<u> </u>	
Appearance and Odor         Light red; mild odor         Section IV - Fire and Explosion Hazard Data         Flash Point (Method Used)       Flammable Limits       LEL       UEL         Non-combustible       N/A       N/A       N/A         Extinguishing Media       N/A       Special Fire Fighting Procedures       Unusual Fire and Explosion Hazards         Wear self-contained breathing apparatus (pressure demand, MSHA/NIOSH-approved) and full protective gear       Unusual Fire and Explosion Hazards         Vapors can travel to a source of ignition and flash back. Ethanol Amine can chemically react with aluminum above 60°C resulting in corrosion and a potential release of highly flammable hydrogen gas.       DESCO WEST - 3651 Walnut Avenue, Chino, CA 91710 • (909) 627-8178 • Fax (909) 627-7449						
The section IV - Fire and Explosion Hazard Data         Section IV - Fire and Explosion Hazard Data         Flash Point (Method Used)         Non-combustible       N/A       N/A       N/A         Stringuishing Media       N/A       N/A       N/A         N/A       Special Fire Fighting Procedures       Value       Value         Wear self-contained breathing apparatus (pressure demand, MSHA/NIOSH-approved) and full protective gear       Unusual Fire and Explosion Hazards         Vapors can travel to a source of ignition and flash back. Ethanol Amine can chemically react with aluminum above 60°C resulting in corrosion and a potential release of highly flammable hydrogen gas.       Desco WEST - 3651 Walnut Avenue, Chino, CA 91710 • (909) 627-8178 • Fax (909) 627-7449						
Section IV - Fire and Explosion Hazard Data         Flash Point (Method Used)       Flammable Limits       LEL       UEL         Non-combustible       N/A       N/A       N/A         Extinguishing Media       N/A       N/A       N/A         Special Fire Fighting Procedures       Special Fire Fighting Procedures       Unusual Fire and Explosion Hazards         Unusual Fire and Explosion Hazards       Vapors can travel to a source of ignition and flash back. Ethanol Amine can chemically react with aluminum above 60°C resulting in corrosion and a potential release of highly flammable hydrogen gas.         DESCO WEST - 3651 Walnut Avenue, Chino, CA 91710 • (909) 627-8178 • Fax (909) 627-7449						
Flash Point (Method Used)       Flammable Limits       LEL       UEL         Non-combustible       N/A       N/A       N/A         Extinguishing Media       N/A       N/A       N/A         Special Fire Fighting Procedures       Special Fire Fighting apparatus (pressure demand, MSHA/NIOSH-approved) and full protective gear       Unusual Fire and Explosion Hazards         Vapors can travel to a source of ignition and flash back. Ethanol Amine can chemically react with aluminum above 60°C resulting in corrosion and a potential release of highly flammable hydrogen gas.       DESCO WEST - 3651 Walnut Avenue, Chino, CA 91710 • (909) 627-8178 • Fax (909) 627-7449						
Non-combustible       N/A       N/A       N/A         Extinguishing Media       N/A       N/A       N/A         N/A       Special Fire Fighting Procedures       Vear self-contained breathing apparatus (pressure demand, MSHA/NIOSH-approved) and full protective gear       Image: Comparison of the set of the se	Section IV - Fire and Explosion Hazard D	ata				
Extinguishing Media N/A Special Fire Fighting Procedures Wear self-contained breathing apparatus (pressure demand, MSHA/NIOSH-approved) and full protective gear Unusual Fire and Explosion Hazards Vapors can travel to a source of ignition and flash back. Ethanol Amine can chemically react with aluminum above 60°C resulting in corrosion and a potential release of highly flammable hydrogen gas. DESCO WEST - 3651 Walnut Avenue, Chino, CA 91710 • (909) 627-8178 • Fax (909) 627-7449	Flash Point (Method Used)		Flammable Limits	LEL	UEL	
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Special Fire Fighting Procedures Wear self-contained breathing apparatus (pressure demand, MSHA/NIOSH-approved) and full protective gear Jnusual Fire and Explosion Hazards Vapors can travel to a source of ignition and flash back. Ethanol Amine can chemically react with aluminum above 60°C resulting in corrosion and a potential release of highly flammable hydrogen gas. DESCO WEST - 3651 Walnut Avenue, Chino, CA 91710 • (909) 627-8178 • Fax (909) 627-7449						
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corrosion and a potential release of highly flammable hydrogen gas. DESCO WEST - 3651 Walnut Avenue, Chino, CA 91710 • (909) 627-8178 • Fax (909) 627-7449						
DESCO WEST - 3651 Walnut Avenue, Chino, CA 91710 • (909) 627-8178 • Fax (909) 627-7449	· -		can chemically react with	aluminum above 60°C res	ulting in	
	corrosion and a potential release of highly flamn	hable hydrogen gas.				

Section V - Reactivity Data         Stability       Unstable       Conditions to Avoid         Stable       X         Incompatibility (Materials to Avoid)       Avoid contamination with strong acids, strong bases and strong oxidizing agents.         Hazardous Decomposition or Byproducts       Burning can produce carbon monoxide and/or carbon dioxide and nitrogen oxides.         Hazardous Polymerization       May occur       Conditions to Avoid         Will Not Occur       X       N/A         Section VI - Health Hazard Data       Route(s) of Entry:       Inhalation?         Route(s) of Entry:       Inhalation?       Skin?         Prolonged contact       Contact         Health Hazards (Acute and Chronic):       Eyes: possible irritation to possible permanent injury. Skin: moderate irritation to possible to nose, throat. Ingestion: discomfort to collapse, coma.       Carcinogonicity:       NTP?         Signs and Symptoms of Exposure:       May aggravate asthma or existing dermatities         Eyes:irritation. Skin: irritation. Inhalation: discomfort, coughing. Ingestion: pain or discord       Medical Conditions         Generally Aggravated by Exposure:       May aggravate asthma or existing dermatities         Eyes to Be Taken In Case Material is Released or Spilled       Floor may be slippery; use care to avoid falling. Dike and contain spill with inert material recovery or disposal and solid diking material to separate containers for dispos	ographs? OSHA Regulated?
Stability       Unstable       Conditions to Avoid         Incompatibility       Materials to Avoid)         Avoid contamination with strong acids, strong bases and strong oxidizing agents.         Hazardous Decomposition or Byproducts         Burning can produce carbon monoxide and/or carbon dioxide and nitrogen oxides.         Hazardous       May occur       Conditions to Avoid         Polymerization       Will Not Occur       X       N/A         Section VI - Health Hazard Data       Route(s) of Entry:       Inhalation?       Skin?         Prolonged contact       Contact       Contact         Health Hazards (Acute and Chronic):       Eyes: possible irritation to possible permanent injury. Skin: moderate irritation to possible to nose, throat. Ingestion: discomfort to collapse, coma.       Carcinogonicity:       NTP?       IARC Monor         Signs and Symptoms of Exposure:       Eyes:irritation. Skin: irritation. Inhalation: discomfort, coughing. Ingestion: pain or discor       May aggravate asthma or existing dermatit         Emergency and First Aid Procedures       Do not induce vomiting if swallowed, may cause damage to mouth, throat, and esophague         Bates to Be Taken In Case Material is Released or Spilled       Floor may be slippery; use care to avoid falling. Dike and contain spill with inert material recovery or disposal and solid diking material to separate containers for disposal.         Waste Disposal Method       Dispose of material acc	e allergic reaction. Inhalation: may cause discomfor ographs? OSHA Regulated? omfort in the mouth, chest, dizziness. itis.
x         ncompatibility (Materials to Avoid)         Avoid contamination with strong acids, strong bases and strong oxidizing agents.         tazardous Decomposition or Byproducts         Burning can produce carbon monoxide and/or carbon dioxide and nitrogen oxides.         tazardous         Polymerization         Will Not Occur       X         Will Not Occur       X         Will Not Occur       X         Section VI - Health Hazard Data         Route(s) of Entry:       Inhalation?         Skin?       Prolonged contact         Conditions to possible irritation to possible permanent injury. Skin: moderate irritation to possible on onse, throat, Ingestion: discomfort to collapse, coma.         Carcinogonicity:       NTP?         Signs and Symptoms of Exposure:       May aggravate asthma or existing dermatit         Energievy and First Aid Procedures       Do not induce vomiting if swallowed, may cause damage to mouth, throat, and esophague         Do not induce vomiting if sevallowed, may cause damage to mouth, throat, and esophague         Steps to Be Taken In Case Material is Released or Spilled         Plopsoal Method         Dispose of material according to local, state, and federal regulations.         Precautions to be Taken in Handling and Storing	e allergic reaction. Inhalation: may cause discomfor ographs? OSHA Regulated? omfort in the mouth, chest, dizziness. itis.
necompatibility (Materials to Avoid)         Avoid contamination with strong acids, strong bases and strong oxidizing agents.         tazardous Decomposition or Byproducts         Burning can produce carbon monoxide and/or carbon dioxide and nitrogen oxides.         tazardous       May occur       Conditions to Avoid         'azardous       May occur       Conditions to Avoid         'azardous       May occur       Conditions to Avoid         'azardous       Will Not Occur       X         Will Not Occur       X       N/A         Section VI - Health Hazard Data       Route(s) of Entry:       Inhalation?         Route(s) of Entry:       Inhalation?       Skin?         Prolonged contact       Contact         Health Hazards (Acute and Chronic):       Bypes: possible irritation to possible permanent injury. Skin: moderate irritation to possible on ose, throat. Ingestion: discomfort to collapse, coma.       Darcinogonicity:         Signs and Symptoms of Exposure:       May aggravate asthma or existing dermatities         Signs and Symptoms of Exposure:       May aggravate asthma or existing dermatities         Section VII - Precautions for Safe Handling and Use       Section VII - Precautions for Safe Handling and Use         Steps to Be Taken In Case Material is Released or Spilled       Ploor may be slippery; use care to avoid falling. Dike and contain spill with inert material ecovery or di	e allergic reaction. Inhalation: may cause discomfor ographs? OSHA Regulated? omfort in the mouth, chest, dizziness. itis.
Avoid contamination with strong acids, strong bases and strong oxidizing agents.         Hazardous Decomposition or Byproducts         Burning can produce carbon monoxide and/or carbon dioxide and nitrogen oxides.         Hazardous       May occur       Conditions to Avoid         Polymerization       Will Not Occur       X       N/A         Section VI - Health Hazard Data       N/A       Stin?         Route(s) of Entry:       Inhalation?       Skin?         Prolonged contact       Contact         Health Hazards (Acute and Chronic):       Prolonged contact       Contact         Eyes: possible irritation to possible permanent injury. Skin: moderate irritation to possible on ose, throat. Ingestion: discomfort to collapse, coma.       IARC Monog         Signs and Symptoms of Exposure:       May aggravate asthma or existing dermatities         Eyes: irritation. Skin: irritation. Inhalation: discomfort, coughing. Ingestion: pain or discond       May aggravate asthma or existing dermatities         Signs and Symptoms of Exposure:       May aggravate asthma or existing dermatities         Eyes: to not induce vomiting if swallowed, may cause damage to mouth, throat, and esophagues         Do not induce vomiting if swallowed, may cause damage to mouth, throat, and esophagues         Steps to Be Taken In Case Material is Released or Spilled         Floor may be slippery; use care to avoid falling. Dike and contain spill with inert material e	e allergic reaction. Inhalation: may cause discomfor ographs? OSHA Regulated? omfort in the mouth, chest, dizziness. itis.
Hazardous Decomposition or Byproducts         Burning can produce carbon monoxide and/or carbon dioxide and nitrogen oxides.         Hazardous       May occur       Conditions to Avoid         Yolymerization       Will Not Occur       X       N/A         Section VI - Health Hazard Data       N/A       Section VI - Health Hazard Data         Route(s) of Entry:       Inhalation?       Skin?         Prolonged contact       Contact         tealth Hazards (Acute and Chronic):       Prolonged contact       Contact         Eyes: possible irritation to possible permanent injury. Skin: moderate irritation to possible o nose, throat. Ingestion: discomfort to collapse, coma.       NTP?       IARC Monog         Signs and Symptoms of Exposure:       NTP?       IARC Monog         Eyes:irritation. Skin: irritation. Inhalation: discomfort, coughing. Ingestion: pain or discondedical Conditions       May aggravate asthma or existing dermating der	e allergic reaction. Inhalation: may cause discomfor ographs? OSHA Regulated? omfort in the mouth, chest, dizziness. itis.
Burning can produce carbon monoxide and/or carbon dioxide and nitrogen oxides.         Iazardous Volymerization       May occur       Conditions to Avoid         Will Not Occur       X       N/A         Section VI - Health Hazard Data       Inhalation?       Skin?         Route(s) of Entry:       Inhalation?       Skin?         Prolonged contact       Contact         tealth Hazards (Acute and Chronic):       Yes: possible irritation to possible permanent injury. Skin: moderate irritation to possible o nose, throat. Ingestion: discomfort to collapse, coma.       IARC Monog         Carcinogonicity:       NTP?       IARC Monog         Signs and Symptoms of Exposure:       May aggravate asthma or existing dermatit         Eversion VI - Precautions for Safe Handling and Use       May aggravate asthma or existing dermatit         Temergency and First Aid Procedures       May aggravate down, may cause damage to mouth, throat, and esophague         Section VII - Precautions for Safe Handling and Use       Iappery; use care to avoid falling. Dike and contain spill with inert material ecovery or disposal and solid diking material to separate containers for disposal.         Vaste Disposel Method       Dispose of material according to local, state, and federal regulations.	e allergic reaction. Inhalation: may cause discomfor ographs? OSHA Regulated? omfort in the mouth, chest, dizziness. itis.
Hazardous       May occur       Conditions to Avoid         Yolymerization       Will Not Occur       X       N/A         Section VI - Health Hazard Data       Route(s) of Entry:       Inhalation?       Skin?         Route(s) of Entry:       Inhalation?       Skin?       Prolonged contact       Contact         Health Hazards (Acute and Chronic):       Byses: possible irritation to possible permanent injury. Skin: moderate irritation to possible on onse, throat. Ingestion: discomfort to collapse, coma.       IARC Monogeneration         Signs and Symptoms of Exposure:       NTP?       IARC Monogeneration         Bigns and Symptoms of Exposure:       May aggravate asthma or existing dermatite         Expersive Additions       May aggravate asthma or existing dermatite         Senerally Aggravated by Exposure:       May aggravate asthma or existing dermatite         Emergency and First Aid Procedures       Do not induce vomiting if swallowed, may cause damage to mouth, throat, and esophagus         Section VII - Precautions for Safe Handling and Use       Section VII - Precautions for Safe Handling and Use         Reps to Be Taken In Case Material is Released or Spilled       Floor may be slippery; use care to avoid falling. Dike and contain spill with inert material ecovery or disposal and solid diking material to separate containers for disposal.         Vaste Dispose of material according to local, state, and federal regulations.       Precautions.	e allergic reaction. Inhalation: may cause discomfor ographs? OSHA Regulated? omfort in the mouth, chest, dizziness. itis.
Will Not Occur       X       N/A         Section VI - Health Hazard Data       Inhalation?       Skin?         Route(s) of Entry:       Inhalation?       Skin?         Prolonged contact       Contact         dealth Hazards (Acute and Chronic):       Prolonged contact       Contact         Eyes: possible irritation to possible permanent injury. Skin: moderate irritation to possible o nose, throat. Ingestion: discomfort to collapse, coma.       IARC Monog         Carcinogonicity:       NTP?       IARC Monog         Edgins and Symptoms of Exposure:       May aggravate asthma or existing dermatities         Edgins and Symptoms of Exposure:       May aggravate asthma or existing dermatities         Benerally Aggravated by Exposure:       May aggravate asthma or existing dermatities         Energency and First Aid Procedures       Do not induce vomiting if swallowed, may cause damage to mouth, throat, and esophagues         Do not induce vomiting if swallowed, may cause damage to mouth, throat, and esophagues       Exection VII - Precautions for Safe Handling and Use         Reps to Be Taken In Case Material is Released or Spilled       Floor may be slippery; use care to avoid falling. Dike and contain spill with inert material ecovery or disposal and solid diking material to separate containers for disposal.         Waste Disposal Method       Dispose of material according to local, state, and federal regulations.         Dispose of material according to local,	e allergic reaction. Inhalation: may cause discomfor ographs? OSHA Regulated? omfort in the mouth, chest, dizziness. itis.
X       N/A         Section VI - Health Hazard Data         Route(s) of Entry:         Inhalation?         Prolonged contact       Contact         Health Hazards (Acute and Chronic):         Eyes: possible irritation to possible permanent injury. Skin: moderate irritation to possible on ose, throat. Ingestion: discomfort to collapse, coma.         Carcinogonicity:       NTP?         Larce Monogonicity:       May aggravate asthma or existing dermatities         Receiver and First Aid Procedures       May aggravate asthma or existing dermatities         Con ot induce vomiting if swallowed, may cause damage to mouth, throat, and esophagues         Caterion VII - Precautions for Safe Handling and Use         Choor may be slippery; use care to avoid falling. Dike and contain spill with inert material ecovery or disposal and solid diking material to separate containers for disposal.         Vaste Disposal Method       Dispose of material according to local, state, and federal regulations.         Precoutions to be Taken in Handling and Storing       Separate containes for disposal.	e allergic reaction. Inhalation: may cause discomfor ographs? OSHA Regulated? omfort in the mouth, chest, dizziness. itis.
Route(s) of Entry:       Inhalation?       Skin?         Prolonged contact       Contact         Realth Hazards (Acute and Chronic):       Eyes: possible irritation to possible permanent injury. Skin: moderate irritation to possible on ose, throat. Ingestion: discomfort to collapse, coma.       Contact         Carcinogonicity:       NTP?       IARC Monogonicity:         Eges: irritation. Skin: irritation. Inhalation: discomfort, coughing. Ingestion: pain or discomfeted asthma or existing dermatities         Eges: irritation. Skin: irritation. Inhalation: discomfort, coughing. Ingestion: pain or discomfeted asthma or existing dermatities         Edetal Conditions         Benerally Aggravated by Exposure:         May aggravate asthma or existing dermatities         Emergency and First Aid Procedures         Do not induce vomiting if swallowed, may cause damage to mouth, throat, and esophagues         Edeps to Be Taken In Case Material is Released or Spilled         Floor may be slippery; use care to avoid falling. Dike and contain spill with inert material ecovery or disposal and solid diking material to separate containers for disposal.         Vaste Disposal Method         Dispose of material according to local, state, and federal regulations.         Precoutions to be Taken in Handling and Storing	e allergic reaction. Inhalation: may cause discomfo ographs? OSHA Regulated? omfort in the mouth, chest, dizziness. itis.
Route(s) of Entry:       Inhalation?       Skin?         Prolonged contact       Contact         dealth Hazards (Acute and Chronic):       Eyes: possible irritation to possible permanent injury. Skin: moderate irritation to possible onose, throat. Ingestion: discomfort to collapse, coma.       Contact         Carcinogonicity:       NTP?       IARC Monogonicity:         Signs and Symptoms of Exposure:       Eyes: irritation. Skin: irritation. Inhalation: discomfort, coughing. Ingestion: pain or discomford.         Eyes: irritation.       Skin: irritation. Inhalation: discomfort, coughing. Ingestion: pain or discomford.         Addical Conditions       May aggravate asthma or existing dermatite         Senerally Aggravated by Exposure:       May aggravate asthma or existing dermatite         Emergency and First Aid Procedures       Do not induce vomiting if swallowed, may cause damage to mouth, throat, and esophagues         Section VII - Precautions for Safe Handling and Use       Eteps to Be Taken In Case Material is Released or Spilled         Floor may be slippery; use care to avoid falling. Dike and contain spill with inert material ecovery or disposal and solid diking material to separate containers for disposal.         Vaste Disposal Method       Dispose of material according to local, state, and federal regulations.         Precautions to be Taken in Handling and Storing       Erecautions to be Taken in Handling and Storing	e allergic reaction. Inhalation: may cause discomfor ographs? OSHA Regulated? omfort in the mouth, chest, dizziness. itis.
Prolonged contact       Contact         dealth Hazards (Acute and Chronic):       Eyes: possible irritation to possible permanent injury. Skin: moderate irritation to possible         Syes: possible irritation to possible permanent injury. Skin: moderate irritation to possible       o nose, throat. Ingestion: discomfort to collapse, coma.         Carcinogonicity:       NTP?       IARC Monogram         Signs and Symptoms of Exposure:       Eyes: irritation. Skin: irritation. Inhalation: discomfort, coughing. Ingestion: pain or discon         Medical Conditions       May aggravate asthma or existing dermatite         Generally Aggravated by Exposure:       May aggravate asthma or existing dermatite         Emergency and First Aid Procedures       Do not induce vomiting if swallowed, may cause damage to mouth, throat, and esophagus         Section VII - Precautions for Safe Handling and Use       Eteps to Be Taken In Case Material is Released or Spilled         Floor may be slippery; use care to avoid falling. Dike and contain spill with inert material ecovery or disposal and solid diking material to separate containers for disposal.         Vaste Disposal Method       Dispose of material according to local, state, and federal regulations.         Precautions to be Taken in Handling and Storing       Every or disposal Method	e allergic reaction. Inhalation: may cause discomfor ographs? OSHA Regulated? omfort in the mouth, chest, dizziness. itis.
Health Hazards (Acute and Chronic):         Eyes: possible irritation to possible permanent injury. Skin: moderate irritation to possible onose, throat. Ingestion: discomfort to collapse, coma.         Carcinogonicity:       NTP?         NTP?       IARC Monogonicity:         Eyes: irritation. Skin: irritation. Inhalation: discomfort, coughing. Ingestion: pain or discontent decical Conditions         Sequence of the exposure:       May aggravate asthma or existing dermatities         Every and First Aid Procedures       May aggravate asthma or existing dermatities         Conditions       May cause damage to mouth, throat, and esophagues         Section VII - Precautions for Safe Handling and Use       Section Spectral is Released or Spilled         Choor may be slippery; use care to avoid falling. Dike and contain spill with inert material ecovery or disposal and solid diking material to separate containers for disposal.         Vaste Disposal Method       Dispose of material according to local, state, and federal regulations.         Precautions to be Taken in Handling and Storing       State, and federal regulations.	ographs? OSHA Regulated?
Signs and Symptoms of Exposure: Eyes:irritation. Skin: irritation. Inhalation: discomfort, coughing. Ingestion: pain or discondedical Conditions Benerally Aggravated by Exposure: Emergency and First Aid Procedures Do not induce vomiting if swallowed, may cause damage to mouth, throat, and esophagues Section VII - Precautions for Safe Handling and Use Steps to Be Taken In Case Material is Released or Spilled Floor may be slippery; use care to avoid falling. Dike and contain spill with inert material ecovery or disposal and solid diking material to separate containers for disposal. Vaste Disposal Method Dispose of material according to local, state, and federal regulations. Precautions to be Taken in Handling and Storing	mfort in the mouth, chest, dizziness.
Eyes:irritation. Skin: irritation. Inhalation: discomfort, coughing. Ingestion: pain or discon Medical Conditions Generally Aggravated by Exposure: Emergency and First Aid Procedures Do not induce vomiting if swallowed, may cause damage to mouth, throat, and esophague Section VII - Precautions for Safe Handling and Use Steps to Be Taken In Case Material is Released or Spilled Floor may be slippery; use care to avoid falling. Dike and contain spill with inert material recovery or disposal and solid diking material to separate containers for disposal. Waste Disposal Method Dispose of material according to local, state, and federal regulations. Precautions to be Taken in Handling and Storing	itis.
Eyes:irritation. Skin: irritation. Inhalation: discomfort, coughing. Ingestion: pain or disconded and the second secon	itis.
Benerally Aggravated by Exposure:       May aggravate asthma or existing dermatite         Emerally Aggravated by Exposure:       May aggravate asthma or existing dermatite         Emerally Aggravated by Exposure:       May aggravate asthma or existing dermatite         So not induce vomiting if swallowed, may cause damage to mouth, throat, and esophagus         Section VII - Precautions for Safe Handling and Use         Reps to Be Taken In Case Material is Released or Spilled         Floor may be slippery; use care to avoid falling. Dike and contain spill with inert material         ecovery or disposal and solid diking material to separate containers for disposal.         Vaste Disposal Method         Dispose of material according to local, state, and federal regulations.         Precautions to be Taken in Handling and Storing	
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Do not induce vomiting if swallowed, may cause damage to mouth, throat, and esophagus Section VII - Precautions for Safe Handling and Use Steps to Be Taken In Case Material is Released or Spilled Floor may be slippery; use care to avoid falling. Dike and contain spill with inert material recovery or disposal and solid diking material to separate containers for disposal. Waste Disposal Method Dispose of material according to local, state, and federal regulations. Precautions to be Taken in Handling and Storing	IS.
Steps to Be Taken In Case Material is Released or Spilled Floor may be slippery; use care to avoid falling. Dike and contain spill with inert material ecovery or disposal and solid diking material to separate containers for disposal. Vaste Disposal Method Dispose of material according to local, state, and federal regulations. Precautions to be Taken in Handling and Storing	
Waste Disposal Method Dispose of material according to local, state, and federal regulations. Precautions to be Taken in Handling and Storing	al (e.g. sand, earth). Tansfer liquid to containers for
Dispose of material according to local, state, and federal regulations. Precautions to be Taken in Handling and Storing	
Precautions to be Taken in Handling and Storing	
Storage temperature: Max. 49 $C/120$ $\Gamma$ 1 $C/54$ $\Gamma$	
Dther Precautions	
Keep from freezing - product may coagulate	
Section VIII - Control Measures	
Respiratory Protection (Specify Type)	
Wear suitable respirator (MSHA/NIOSH-approved or equivalent) where exposure limits a	are exceeded.
/entilation Local Exhaust Special	
At point of mist or vapor release       Mechanical (General)   Other	
Mechanical (General) Other	
Protective Gloves	
mpervious type required for long or repeated exposure.	
ye Protection	
Themical splash goggles (ANSI Z-87.1 or equivalent) to protect against splash of liquid.	
Ither Protective Clothing or Equipment	
Eyewash facility; safety shower.	
Lyonaon raonicy, butty bito wor.	
Nork/Hygienic Practices	