Section One: Product Identification

<table>
<thead>
<tr>
<th>Trade Name</th>
<th>ForceSurf Scale-X</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chemical Family</td>
<td>Surfactants</td>
</tr>
<tr>
<td>Chemical Formula</td>
<td>Confidential</td>
</tr>
<tr>
<td>CAS Number</td>
<td>Proprietary Blend</td>
</tr>
</tbody>
</table>

Section Two: Composition Information on Hazardous Ingredients

<table>
<thead>
<tr>
<th>CAS Number</th>
<th>Component Common Name</th>
<th>TWA</th>
<th>STEL</th>
<th>PEL</th>
<th>Weight Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Confidential</td>
<td>Proprietary Mono-, Di-, Polyhapto Ligands</td>
<td>NE</td>
<td>NE</td>
<td>NE</td>
<td>3 – 7%</td>
</tr>
<tr>
<td>Confidential</td>
<td>Proprietary Mono-, Di-, Polydentate Ligands</td>
<td>NE</td>
<td>NE</td>
<td>NE</td>
<td>5 – 10%</td>
</tr>
<tr>
<td>Confidential</td>
<td>Proprietary Ingredients</td>
<td>NE</td>
<td>NE</td>
<td>NE</td>
<td>10 – 20%</td>
</tr>
<tr>
<td>Confidential</td>
<td>Proprietary Surface Active Ingredients</td>
<td>NE</td>
<td>NE</td>
<td>NE</td>
<td>20 – 30%</td>
</tr>
</tbody>
</table>

Schedule B, Harmonized Tariff Number for Import/Export

3402903000 Surface-active preparations, containing any aromatic or modified aromatic surface active agents

Section Three: Hazards Identification

Routes of Entry: Skin contact, eye contact, inhalation, ingestion.

Potential Health Effects: This product may cause eye, skin, or respiratory irritation.

Carcinogenicity (NTP): This product is not believed to be carcinogenic.

Carcinogenicity (IARC): This product is not believed to be carcinogenic.

Carcinogenicity (OSHA): This product is not believed to be carcinogenic.

Section Four: First Aid Measures

| Eyes             | Flush eyes with water for at least 15 minutes. Seek medical attention. |
| Skin             | Remove contaminated clothing. Flush skin with water.                   |
| Ingestion        | Drink 3-4 glasses of water. Do not induce vomiting. Seek medical help immediately. |
| Inhalation       | Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen and call a physician. |

Section Five: Fire Fighting Measures

Flammable Limits, Flash Point: Aqueous, water-based solution; will not burn.

Flammable Limits in Air - LEL: NE

Flammable Limits in Air – UEL: NE

Auto Ignition Temperature: Does not ignite.

General Hazards: None known.

Extinguishing Media: Dry chemical, carbon dioxide, water spray.

Fire Fighting Equipment: Wear self-contained breathing apparatus and protective clothing.

Fire and Explosion Hazards: No unusual hazards expected.

Hazardous Combustion Products: Not available.

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M S D S

ForceSurf Scale-X
Date Effective 09/09/2013

Concentrated Injectivity Additive
Saltwater Disposal Pressure Reducer/Injectivity Improver

Sensitivity to Mechanical Impact: Not expected.
Sensitivity to Static Discharge: Not expected.
Additional Information: No additional information available.

Section Six: Accidental Release Measures
Accidental Release Measures: Contain spill and salvage as much material as possible. Then pick up the remaining with absorbent.

Section Seven: Handling and Storage
Handling and Storage Guidelines: Keep container tightly closed. Do not consume food, drink, or tobacco in areas where they may become contaminated by this material.

Section Eight: Exposure Control/Personal Protection
Personal Protective Equipment: Wear appropriate equipment to prevent probability of exposure.
Eye Protection: Goggles or glasses with side shields.
Skin Protection: Wear impervious gloves as a standard handling procedure.
Respiratory Protection: Use NIOSH approved respiratory protection where exposure levels exceed regulatory limits.
Engineering Controls: Do not aerosolize.
Mechanical Exhaust: Required in confined spaces.
Local Exhaust: Recommended to keep fumes from concentrating.
Emergency Response Protection: No additional specialized equipment should be required.

Section Nine: Physical and Chemical Properties
Physical Form: Liquid
Color: Clear to Straw
Odor: Mild
Boiling Point: >220° F
Melting Point: NA
Freezing Point: <25°F
Specific Gravity: 1.06 (+/- 0.02)
Bulk Density: 8.8 lbs./gallon
pH: 7.0 – 8.0
Solubility in Water: Soluble
Evaporation Rate: NA (n-Butyl Acetate = 1)
Vapor Pressure: NA (mm Hg @ 68° F)
Vapor Density: NA (Air = 1)
Volatile Organic(s): <50 gm/1000 ml.

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Section Ten: Stability and Reactivity

Stability  Stable at normal temperatures and operating conditions.
Incompatibilities  None known.
Decomposition  Decomposition yields carbon dioxide.
Polymerization  Polymerization will not occur.

Section Eleven: Toxicological Information

Eye Irritation  Eye contact may be painful and irritating.
Skin Irritation  Prolonged and repeated skin exposure may be painful and irritating.
Inhalation Toxicity  Inhalation of this product during manufacturing may be irritating.
Sensitization  Not evaluated.
Chronic/Carcinogenicity  Not evaluated.
Reproduction  Not evaluated.
Mutagenicity  Not evaluated.
Acute Oral Effects  Not evaluated.
Acute Dermal Toxicity  Not evaluated.
Additional Information  No additional information available.

Section Twelve: Ecological Information

Ecotoxicity  Not evaluated.
Biological Oxygen Demand (BOD$^5$)  >80% biodegraded in soil in 28 days.
Chemical Oxygen Demand  Not evaluated.
Activated Sludge Respiration Inhibition Test  Not evaluated.
Additional Information  No additional information available.

Section Thirteen: Disposal Considerations

Container Disposal Management  Dispose of in accordance with local, state, and federal regulations.
RCRA Hazard Class  None.
Waste Disposal Method  Dispose of in accordance with local, state, and federal regulations.

Section Fourteen: Transport Information

DOT Hazard Class  Non-Regulated.
DOT Proper Shipping Name  DOT Non-Regulated – ForceSurf Scale-X
Packaging Group  NA
UN Number  NA
NA Number  NA
Packaging Size  Carboys/Pails, Drums, and Bulk.

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Section Fifteen: Regulatory Information

SARA 302/304 RQ  NA
SARA 302/304 TPQ  NA
SARA 311/312 Acute  Yes
SARA 311/312 Chronic  Yes
SARA 311/312 Fire  NA
SARA 311/312 Pressure  NA
SARA 311/312 Reactivity  NA
SARA 313 List  NA
CERCLA RQ  NA
TSCA Status  All components are registered on TSCA inventory.
CAA  NA
CWA  NA

Additional Information  No additional information available.

Section Sixteen: Other Information

HMIS Hazard Classification
Classification Code  2  0  1  F

NFPA Hazard Classification
Classification Code or Markings  2  0  1

Explanation of NFPA Special Symbols

OX  Oxidizer; a chemical that can increase the rate of combustion or fire.

W  Reactive with water; avoid using water when fighting a fire involving material.

C  Corrosive material(s); can be corrosive in either an acid or alkaline state.

P  Poison or highly toxic material(s).

E  Explosive material(s); redundant notation of instability.

R  Radioactive material(s); extremely harmful to handle or inhale.

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ForceSurf Scale-X
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Explanation of Abbreviations

BOD Biological Oxygen Demand, 5-Day Test Standard.
CAA Clean Air Act.
CAS Chemical Abstracts Service.
CERCLA Comprehensive Environmental Response, Compensation & Liability Act.
CONF Confidential.
CWA Clean Water Act.
DOT U.S. Department of Transportation.
EPA U.S. Environmental Protection Agency.
HMIS Hazardous Materials Identification System.
IARC International Agency for Research on Cancer.
LEL Lower Explosive Limits.
Mg/M$^3$ Milligrams per Cubic Meter.
Mm/Hg Millimeters of Mercury; Measurement of Air Pressure.
NA Not Applicable.
ND Not Determined.
NE None Established.
NTP National Toxicology Program.
OSHA U.S. Occupational Health and Safety Administration.
PEL Permissible Exposure Limit.
PH Negative Logarithm of the Hydrogen Ion; Measurement of Acidity or Alkalinity.
PMCC Pensky-Martens Closed Cup Flash Point Test.
PPM Parts per Million.
RQ Release Quantity.
SARA Superfund Amendments and Reauthorization Act.
STEL Short-Term Exposure Limit.
TLV Threshold Limit Value.
TPQ Threshold Planning Quantities.
TSCA Toxic Substances Control Act.
TWA Time-Weighted Average or Absolute Value.
UEL Upper Explosive Limits.
VOC Volatile Organic Compounds.

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