Corrosion Technologies
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BULK

SILI SPRAY™ Safety Data Sheet

1. IDENTIFICATION

Product Name: **SILI SPRAY™**
Product Numbers: 23201, 23202, 23204, 23205
Product Type and Use: Hydrocarbon Emulsion Repellent Coating
Issue Date: 8 October 2015
Revision Date: 19 June 2019
Revision Indicator: NZ1.2
Manufacturer: Corrosion Technologies
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Outside US +1 (703) 527-3887
NZ Poison emergency no: 0800 POISON (0800 764 766)

2. HAZARDS IDENTIFICATION

Hazard Classification

Health Hazard(s)
Aspiration Hazard Category 1

Physical Hazard(s)
None

Hazard(s) not otherwise classified
None

Labeling

Signal Word: **DANGER**
Pictograms: Heath Hazard

Statements of Hazard

Hazard Statements
May be fatal if swallowed and enters airways

Precautionary Statements
Store locked up. Dispose of contents and container in accordance with applicable regulations.
If swallowed: Rinse mouth. Do NOT induce vomiting. Immediately call a doctor or poison center.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS Number	Percent by Wt.
Petroleum oil (<3% DMSO extractable)	Trade Secret	40-50

* Exact percentage of composition has been withheld as a trade secret

4. FIRST AID MEASURES

General Advice: Aspiration hazard; do not swallow. May cause lung damage.
Inhalation: Remove person to fresh air and keep comfortable for breathing. Call a doctor if you feel unwell.
Skin Contact: Wipe excess from skin; remove contaminated clothing. Wash with soap and water.
Eye Contact: Flush eyes with plenty of water for 15 minutes while holding eyelids open. Seek medical attention if irritation persists.
Ingestion: Rinse mouth. Do NOT induce vomiting. Immediately call a physician or poison control center.

5. FIRE FIGHTING MEASURES

Extinguishing Media: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Suitable: Carbon Dioxide, Dry Chemical, and Foam
Unsuitable: Alcohol, Alcohol based solutions, any other media not listed above.
Fire Fighting Procedures: As in any fire, wear self-contained breathing apparatus, pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.
Unusual Fire and Explosion Hazards: None known.
Hazardous Combustion/ Decomposition Products: Oxides of carbon, sulfur, nitrogen and phosphorous; hydrogen sulfide.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions / Protective Equipment / Emergency Procedures: Use caution as spills may be slippery. Ensure adequate ventilation. Use personal protective equipment. Remove all sources of ignition and take precautionary measures against static discharges.
Methods and materials for containment and cleaning up: Do not flush into surface water or sanitary sewer system. Dike and contain spillage. Soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite). Use clean non-sparking tools to collect absorbed material and transfer to a properly labeled container for disposal according to local / national regulations.

7. HANDLING AND STORAGE

HANDLING
Precautions for Safe Handling: Follow all SDS/label precautions even after container is empty due to residue.
STORAGE
Conditions to avoid: Store in a cool, dry, well-ventilated place in the original container.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE LIMITS

	ACGIH		OSHA			
Component	**TLV ppm**	**TLV mg/m3**	**PEL ppm**	**PEL mg/m3**	**STEL ppm**	**STEL mg/m3**
Petroleum oil	-	5	10	5	-	2500

Engineering Controls: Use with local exhaust ventilation. Ensure adequate ventilation, especially in confined areas.
Personal Protection
Respiratory Protection: None required under normal use conditions. In case of insufficient ventilation and for exposures above occupational exposure limits wear a NIOSH approved air purifying respirator with organic vapor cartridge.
Hand / **Skin Protection:** None typically required. For sensitive skin; wear impermeable gloves such as neoprene or nitrile rubber gloves.
Eye / **Face Protection:** None typically required.
General Hygiene Measures: Always wash hands and face before eating, drinking or smoking. Remove and wash contaminated clothing before re-use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Opaque
Physical State:	Non-viscous liquid
Odor:	Hydrocarbon
Color:	Milky White
Viscosity, cSt @ 40℃:	<20.5
cSt @ 100℃:	Not established
pH:	Not established
Boiling Point/ Range:	>400℉ / 200℃
Melting Point:	Not established
Flash Point:	177℃ / 350℉
Method:	Pensky-Martens Closed Cup
Lower Explosive Limit, vol %:	Not established
Upper Explosive Limit, vol %:	Not established

Autoignition Temperature:	Not established
Volatile by volume (%):	50
Vapor Density (Air=1) :	>1
Evaporation Rate (BuAc=1) :	<0.01
Vapor Pressure, mmHg @23℃:	>1
Solubility in water:	Emulsifiable
Octanol/Water Partition:	Not established
VOC Content g/l (%):	0
Specific Gravity @15.6℃:	<1
Pour Point:	Not established
Non-volatile by Volume (%):	50
Dielectric Strength (KV):	Not applicable

10. STABILITY AND REACTIVITY

Stability: Stable at ambient temperatures.
Conditions to Avoid: Avoid high temperatures, sparks, open flame, and all other sources of ignition
Hazardous Polymerization: Will not occur.
Materials to Avoid: Bases, acids, amines and oxidizing materials.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity
Product Information: Orl-rat LD50 - >5000 mg/kg, Skn-Rbt LD50 - 2,000 mg/kg, Ihl-Rat LC50 >5 mg/L 4 h
Ingredient Information: Not established
Acute Effects
Signs and Symptoms of Overexposure: Coughing, Sneezing
Inhalation: Mist may cause coughing and sneezing.
Skin Contact: Prolonged or repeated contact may cause mild irritation in sensitive individuals.
Eye Contact: May cause stinging, tearing and redness.
Ingestion: May cause nausea, vomiting and diarrhea. Ingestion and subsequent vomiting may result in aspiration of the product into the lungs resulting in chemical pneumonitis, pneumonia, and pulmonary edema.
Primary Route(s) of Exposure: Eyes, Inhalation
Primary Route(s) of Entry: Ingestion
Target Organs: Lungs
Chronic Effects: None known
Carcinogenicity: Not established
Medical Conditions Aggravated by Exposure: May aggravate existing respiratory conditions

12. ECOLOGICAL INFORMATION

Product Data: Not established
Ingredient Data: Not established
Elimination Information: Not established.

13. DISPOSAL CONSIDERATIONS

Product: Dispose of in accordance with local regulations. Smaller quantities can be disposed of with household waste.
Container: Empty remaining contents. Empty containers should be taken for local recycling, recovery, or waste disposal. Empty containers may contain residues. Do not cut, weld or grind empty containers.

14. TRANSPORT INFORMATION

Road Transport
DOT Hazard Class: Non-Hazardous/ Non-Restricted

Sea Transport
IMDG/GGV See Class: Non-Hazardous/ Non-Restricted

Air Transport
ICAO/IATA Class: Non-Hazardous/ Non-Restricted

15. REGULATORY INFORMATION

U.S. Federal Regulations
Toxic Substances Control Act (TSCA): All components are included on the Inventory
Superfund Amendments and Reauthorization Act (SARA) Title III:

Immediate Hazard	Delayed Hazard	Fire Hazard	Pressure Hazard	Reactivity Hazard
X	-	-	-	-

New Zealand
Considered a Hazardous Substance according to the criteria of the New Zealand Hazardous Substances New Organisms legislation.
HSNO approval: Construction Products (Subsidiary Hazard) Group Standard 2017 - HSR002544
HSNO classification: 6.1E
Not classified as a Dangerous Good according to NZS5433:2007 Transport of Dangerous Goods on Land.
NZIoC (New Zealand Inventory of Chemicals): All components are listed on the NZIoC inventory or are exempt.

16. OTHER INFORMATION

Prepared by: Corrosion Technologies, Technical Services Department
Revision Date: 10/8/2015 **Supersedes Date:** 9/1/2015
Revision Indicator: NZ1.2 Addition of HSNO classification

National Fire Protection Association (704)
Health: 1 Flammability: 1 Reactivity: 0 Other:

The information contained herein is, to the best of our knowledge and belief, accurate. However, since the conditions of handling and use are beyond our control, we make no guarantee of results and assume no liability for damage incurred by use of this material. All chemicals may present unknown health hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards which exist. Final determination of suitability of the chemical and application of such products is the sole responsibility of the user. No representations or warranties, either expressed or implied, of merchantability, fitness for a particular purpose or any other nature are made hereunder with respect to the information contained herein or the chemical to which the information refers. It is the sole responsibility of the user to comply with all applicable Federal, State and Local Laws and Regulations. Any questions with regards to information contained herein should be referred to: U. S. Corrosion Technologies, LLC (972) 271-7361.