Corrosion Technologies
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SpeedX ™ Safety Data Sheet

1. IDENTIFICATION

Product Name:	**SpeedX™**
Product Numbers:	77001
Product Type and Use:	Lubricant / Corrosion Inhibitor
Manufacturer:	Corrosion Technologies 2638 National Drive, Garland, TX 75041
Issue Date:	8 October 2015
Version Number:	NZ1.2
Revision Date:	19 June 2019
Contact:	Telephone: 972-271-7361 Fax: 972-278-9721
Emergency Telephone:	CHEMTREC® USA (800) 424-9300 Outside US +1 (703) 527-3887 NZ Poison emergency no: 0800 POISON (0800 764 766)
Distributor in New Zealand:	Corrosion Control NZ 48 Riverside drive Whangarei 0112 Northland New Zealand Tel: +64 9-438-88-00 **Email:** tom@corrosionx.org

2. HAZARDS IDENTIFICATION

Hazard Classification

Health Hazard(s)

Eye Irritation	Category 2B
STOT-SE	Category 3

Physical Hazard(s)

None

Hazard(s) not otherwise classified

Aspiration Hazard	Category 1

Labeling

Signal Word: **DANGER**

Pictograms: Exclamation Mark, Heath Hazard

Statements of Hazard

Hazard Statements

Causes eye irritation
May cause drowsiness or dizziness
May be fatal if swallowed and enters airways

Precautionary Statements

Use only outdoors or in a well-ventilated area. Avoid breathing mist and vapor. Wash thoroughly after handling.
Dispose of contents and container in accordance with applicable regulations.
If on skin: Wash with plenty of water. If skin irritation occurs: Get medical advice.
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice.
If inhaled: Remove person to fresh air and keep comfortable for breathing. Call a doctor if you feel unwell.
If swallowed: Immediately call a doctor or poison center. Do NOT induce vomiting.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS Number	Percent by Wt.
Hydrotreated light petroleum distillates	64742-47-8	7-10*
Mineral oil	8042-47-5	10-15*
Hydrotreated neutral base oil	72623-85-9	65-75*

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

4. FIRST AID MEASURES

General Advice: May cause eye irritation; avoid contact with eyes. Wash thoroughly after handling. Aspiration hazard; do not swallow. Aspiration may cause lung damage. Use with adequate ventilation. Avoid breathing mist or vapor. May cause dizziness and drowsiness. Keep away from heat, sparks, hot surfaces and open flame. Keep container closed.
Inhalation: Remove from exposure area. Remove to fresh air. Give artificial respiration if not breathing. Get medical attention.
Skin Contact: Wipe excess from skin; remove contaminated clothing. Wash from skin with mild 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: Give water, DO NOT induce vomiting. No treatment necessary unless large quantities are ingested, then seek medical advice.

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: Solvent vapors are heavier than air and may travel to distant, low lying sources of ignition and may ignite and explode.
Hazardous Combustion/ Decomposition Products: Oxides of carbon, sulfur, calcium, magnesium and phosphorous

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: Avoid eye contact. Use with adequate ventilation. Avoid breathing mist or vapor. Wash thoroughly after handling. Follow all SDS/label precautions even after container is empty due to residue.
STORAGE
Conditions to avoid: Store in a cool, dry place in the original container. Keep container closed when not in use. Avoid excess heating, high temperatures, sparks, hot surfaces, open flames, and all other sources of ignition.

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**
Hydrotreated light petroleum distillates	100	-	-	-	500	-
Mineral Oil	-	5	10	5	-	2500
Hydrotreated neutral base 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 required under normal use conditions. Sensitive users may wish to wear neoprene or nitrile gloves.
Eye / **Face Protection:** Safety glasses with side-shields. An eyewash station should be available to the area of use.
General Hygiene Measures: Avoid contact with eyes and skin. Always wash hands and face before eating, drinking or smoking. Remove and wash contaminated clothing before re-use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Transparent	**Autoignition Temperature:**	Not established
Physical State:	Non-viscous liquid	**Volatile by volume (%):**	8
Odor:	Fresh scent	**Vapor Density (Air=1) :**	>1
Color:	Greenish-brown	**Evaporation Rate (BuAc=1) :**	<0.01
Viscosity, cSt @ 40℃:	33.2	**Vapor Pressure, mmHg @23℃:**	>1
cSt @ 100℃:	7.0	**Solubility in water:**	Insoluble
pH:	6.9	**Octanol/Water Partition:**	Not established
Boiling Point/ Range:	>400℉ / 204℃	**VOC Content g/l (%):**	82 (8)
Melting Point:	Not established	**Specific Gravity @15.6℃:**	0.895
Flash Point:	132℃ / 270℉	**Pour Point:**	-22℉ / -30℃
Method:	Cleveland Open Cup	**Non-volatile by Volume (%):**	>92
Lower Explosive Limit, vol %:	4.8	**Dielectric Strength (KV):**	Not applicable
Upper Explosive Limit, vol %:	7		

10. STABILITY AND REACTIVITY

Stability: Stable at ambient temperatures.
Conditions to Avoid: Excess heating above 356℉ / 180℃ over long periods of time degrades the resin. Avoid high temperatures, sparks, open flame, and all other sources of ignition
Hazardous Polymerization: Will not occur by itself, but masses of more than one pound of product plus an aliphatic amine will cause irreversible polymerization with considerable heat.
Materials to Avoid: Bases, acids, amines and oxidizing materials.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity
Product Information: Orl-rat LD50 - >5000 mg/kg (estimated), Skn-Rbt LD50 - 20,000 mg/kg (estimated)
Ingredient Information: Not established
Acute Effects

Signs and Symptoms of Overexposure: Eye Irritation, Skin Irritation, Coughing, Sneezing, Dizziness, Drowsiness
Inhalation: Mist may cause coughing and sneezing. Prolonged and repeated inhalation may cause nausea, dizziness and drowsiness.
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: Inhalation, Ingestion

Target Organs: Eyes, Skin, Central Nervous System, Lungs
Chronic Effects: None known
Carcinogenicity: Not established
Medical Conditions Aggravated by Exposure: May aggravate existing eye and respiratory conditions such as asthma and dermatitis.

12. ECOLOGICAL INFORMATION

Product Data: Not established
Ingredient Data: Not established
Elimination Information: biodegradation under aerobic static laboratory conditions is below detectable limits (i.e. BOD less than 2.5% of theoretical) in 20 days.

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: Corrosion Inhibitors (Subsidiary Hazard) Group Standard 2017 - HSR002549
HSNO classification: 6.1E, 6.4A, 6.9B
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 Indicator: v1.2 Addition of HSNO classification

National Fire Protection Association (704)
Health: 1 Flammability: 2 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.