



Safety Data Sheet

Section 1

Product and Company Identification

Manufacturer

Blue Star Lubrication Technology®, LLC
915 N. Plum Grove Road, Suite C
Schaumburg, IL 60173
United States of America
Phone: 847-285-1888 Fax: 847-285-1894

Emergency Phone Numbers

847-285-1888 Normal Business Hrs.
USA & Canada Chemtrec 800-424-9300
International Chemtrec 703-527-3887

Recommended Usage: Rust Preventive

Other Identifier: Mixture

Product Name: Blue Star® CLE 5525

Section 2 Hazards Identification

Classification of the Mixture: Gray to black liquid. Solvent petroleum odor.

Most Important Hazards: This material is considered moderately hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

May cause respiratory tract, skin and eye irritation. May be fatal if swallowed and enters airways.

Hazard Classification:

Flammable Liquid – Category 3

Aspiration Toxicity – Category 3

Specific target organ toxicity – single exposure – Category 3 nervous system

Eye and skin irritant – Category 2

Signal Word: Warning!

Pictograms:



Precautionary Statements:

Inhalation - Avoid breathing dust/fume/gas/mist/vapors/spray. Keep container tightly closed. Use only with adequate ventilation.

Skin - Avoid contact with skin and clothing. Wash thoroughly after handling.

Eyes - Avoid contact with eyes. Wash thoroughly after handling.

Ingestion - May be fatal if swallowed and enters airways.

Quantity of Ingredients with Unknown Acute Toxicity: 5.0%

Section 3 Composition Information on Ingredients

Ingredient	WT %	CAS #
Light distillate hydrotreated solvent	< 90	64742-47-8



Section 4 First Aid Measures

Eyes: Flush eyes with running water for at least 15 minutes. If redness, burning, blurred vision or irritation persists, transport to nearest medical facility for additional treatment.

Skin: Flush skin with water, wash with soap and water. If irritation occurs, get medical attention. Remove contaminated clothing and wash before reuse. If redness, swelling, pain and/or blisters occur, transport to the nearest medical facility for additional treatment.

Ingestion: Do NOT induce vomiting and obtain medical attention. Have victim rinse mouth out with water. If vomiting occurs spontaneously, keep head below hips to prevent aspiration.

Inhalation: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If the victim has difficulty breathing or tightness of the chest, is dizzy, vomiting or unresponsive, give oxygen with rescue breathing or CPR as required and transport to the nearest medical facility.

Section 5 Fire Fighting Measures

Flammable Properties:

Flash point: > 110°C none (ASTM D56)

Flammable limits in air: LEL 1.6%;

UEL 10.2%

Auto ignition temperature: > 211°C

Extinguishing media: CO₂, dry chemical, foam

Special firefighting measure:

Procedures for an oil fire should be followed. Use self-contained breathing apparatus. Use foam or dry chemical to extinguish fire. Water may be used only to keep surrounding containers cool.

Section 6 Accidental Release Measures

- Eliminate ignition sources and ventilate area.
- Absorb spillage with inert absorbent material.
- Contain spill and keep from entering waterways or sewers.
- Advise EPA/state agency if required.
- Use proper personal protective equipment for clean-up.
- Treat contaminated absorbent same as spilled product.

Section 7 Handling and Storage

Handling and Storage Precautions: Avoid heat, open flames, including pilot lights, and strong oxidizing agents. Use explosion-proof ventilation to prevent vapor accumulation. Ground all handling equipment to prevent sparking. Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Have appropriate fire extinguishers and spill clean-up equipment in or near storage area.

Work/Hygienic Practices: Wash with soap and water before eating, drinking, smoking, applying cosmetics, or using toilet. Launder contaminated clothing before reuse. Properly dispose of contaminated leather articles such as shoes or belts that cannot be decontaminated. Contaminated leather articles including shoes cannot be decontaminated and should be destroyed to prevent reuse.

Section 8 Personal Protection/ Exposure Controls

Engineering Controls: Use adequate ventilation to keep vapors and mists of this material below applicable standards. Recommended work place control parameters - based on oil mists OSHA TWA 5 mg/m³.

Respiratory Protection: If engineering controls do not maintain airborne concentrations to a level which is adequate to protect worker health, an approved respirator must be worn. Respirator selection, use and maintenance should be in accordance with the requirements of the OSHA Respiratory Protection Standard, 29 CFR 1910.134.

Skin Protection: Use protective clothing that is chemically resistant to this product. Acceptable materials for gloves and aprons are: neoprene, nitrile rubber or viton.

Eye Protection: Use safety glasses or goggles. Have suitable eye wash water available.

Other/General Protection: For mists and vapors: Air Purifying, organic vapor cartridge, NIOSH approved respirator. Use self-contained breathing apparatus for environments with unknown concentrations or emergency situations.



Section 9 Physical and Chemical Properties

Color: Dark gray to black	Vapor Pressure: < 0.1 @ 20°C	Solubility in Water: <0.01 @ 25°C
Appearance: Liquid	% Volatile by Volume: < 90	Evaporation Rate
Odor: Solvent petroleum odor	Vapor Density (air = 1): > 6.3	(butyl acetate = 1): < 0.1
Boiling Point: 246 - 268°C	Reactivity in Water: Non-reactive	Specific Gravity: 0.78
VOC (Concentrate) EPA Method 24: N/E		

Section 10 Stability and Reactivity

Stability: Stable **Conditions to avoid:** Sources of ignition. **Incompatibility:** Strong oxidizing or reducing agents.
Decomposition Products: Oxides of Carbon, Molybdenum and Hydrogen. **Hazardous Polymerization:** Will not occur.

Section 11 Toxicological Information

Likely Routes of Exposure: Inhalation, skin, eyes and ingestion.

Potential Health Effects:

Eye Effects: May cause eye irritation.

Skin Effects: May cause slight skin irritation. Based on data from similar materials. Prolonged or repeated skin contact as from clothing wet with material may cause dermatitis. Symptoms may include redness, edema, drying, and cracking of the skin.

Oral Effects: Harmful if swallowed. May cause gastrointestinal tract irritation, nausea and vomiting if mixture is swallowed.

Inhalation Effects: May be fatal if swallowed and enters airways.

Chronic Health Effects: Primary target organs following repeated exposure are nervous system, respiratory tract, eyes, skin, lungs, liver and kidneys.

Mutagenicity: Negative

Carcinogenicity: This mixture does not contain any component greater than 0.1% that is listed as a carcinogenic or a potential carcinogen by the National Toxicology Program, by the I.A.R.C. monographs or by OSHA.

Reproductive Effects: Negative

Teratogenicity: Negative

Sensitization: Negative

Toxicological Data:

ATE oral is > 5,000 mg/kg

ATE dermal is > 2,000 mg/kg

ATE inhalation (vapor) is estimated at 2.8 mg/L/4 hour

Section 12 Ecological Information

Not classified due to inadequate data available on this mixture. Recommend avoidance of release to the environment.

Section 13 Disposal Considerations

Avoid release to the environment. Dispose in a safe manner in accordance with national, state and local regulations. Not a RCRA hazardous waste if uncontaminated. If "used" RCRA criteria must be determined. Dispose of container by recycling or if permitted incineration.

Section 14 Transportation Information

Proper Shipping Name: Not regulated by DOT.

Shipping Class: Not applicable

Dot Identification Number: Not applicable

Dot Shipping Label: Not regulated by DOT.

TDG Classification: Not controlled under TDG (Canada).



Section 15 Regulatory Information

U.S. Federal Regulatory Information:

SARA 302 Threshold Planning Quantity: N/A

SARA 304 Reportable Quantity: N/A

SARA 311 Categories:

Acute Health Effects:	Yes
Chronic Health Effects:	Yes
Fire Hazard:	No
Sudden Release of Pressure Hazard:	No
Reactivity Hazard:	No

EPA/TSCA Inventory: The components of this product are listed on the EPA/TSCA inventory of chemicals.

EPA Hazard Classification Code: Not applicable

CERCLA: No chemicals in this product are subject to the reporting requirements of CERCLA.

SARA Title III - Section 313 Supplier Notification: No Chemicals in this product exceed the DE Minimus reporting level established by SARA Title III, Section 313 and 40 CFR 372.

WHMIS Classification: WHMIS controlled. Class D; Division 2, Subdivision B: otherwise causing toxic effects.

Other Regulations: All components of this formulation are listed on the CEPA-DSL (Domestic Substance List)

Section 16 Other Information

NFPA Hazard Rating:

Health:	2	Slight
Flammability:	2	Negligible
Reactivity:	0	Negligible

SDS Dated: 5/17/2016

*Threshold Limit Value/Personal Exposure Limit

N/A = Not Applicable

N/E = Not Established

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