SAFETY DATA SHEET

1.IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Identification of the substance/preparation	**Rust & Corrosion Inhibitor- Aerosol – 10466**
Use of the substance/preparation	Rust Preventative.
Version No.	01
Revision date	17-September-2012
CAS No.	Mixture
Supplier	**Plews & Edleman** 1550 Franklin Grove Road Dixon, IL 61021 815-288-3344
Manufacturer Address	Environmental Lubricants Manufacturing, Inc. 311 B Ave -Grundy Center, IA 50638
SDS Questions:	**(**319) 824-5203
Emergency telephone:	CHEMTREC: (800) 824-9300

2.HAZARDS IDENTIFICATION

This substance is classified as dangerous according to Directive 67/548/EEC.

Classification	F+;R12
Physical hazards	Extremely flammable.
Health hazards	Not classified as a health hazard.
Environmental hazards	Not Toxic-Not classified as an environmental hazard.
Specific hazards	Breathing of high vapour concentrations may cause dizziness, light-headedness, headache, nausea and loss of co-ordination. Continued inhalation may result in unconsciousness. Contact with liquefied gas can cause damage (frostbite) due to rapid evaporative cooling. The product contains a small amount of sensitising substance which may provoke an allergic reaction among sensitive individuals. The product is extremely flammable. When sprayed on a naked flame or any incandescent material the aerosol containers can be ignited. Aerosol containers can burst violently when heated, due to excess pressure buildup.
Main symptoms	Narcosis. Behavioural changes. Decrease in motor functions.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Components	**CAS-No.**	**%**	**EC-No. / REACH Registration No.**	**Notes**
Classification				
Methyl Soyate	Methyl Soyate	50 - 80	267-055-2	
Propellant: Petroleum gases, liquefied, sweetened F+;R12	68476-86-8	15 - 25	270-705-8	

Composition comments	The full text for all R-phrases is displayed in Section 16. All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

4. FIRST-AID MEASURES

Inhalation	Move to fresh air. Call a physician if symptoms develop or persist.
Skin contact	Remove contaminated clothing. Wash contact areas with soap and water. In case of eczema or other skin disorders: Seek medical attention and take along these instructions.
Eye contact	Flush eyes thoroughly with water for at least 15 minutes. Remove any contact lenses and open eyes wide apart. Get medical attention if irritation develops or persists.
Ingestion	Not relevant due to the container type.
Most important symptoms and Effects	Symptoms include itching, burning, redness, and tearing of eyes.
General advice	Get medical attention if any discomfort develops.
Notes to physician	Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media	Dry chemical, foam, carbon dioxide.
Extinguishing media which must not be used for safety reasons	None.
Unusual fire & explosion hazards	Aerosol containers can explode when heated, due to excessive pressure build-up.
Specific hazards	During fire, gases hazardous to health may be formed.
Special protective equipment for fire-fighters	Self-contained breathing apparatus and full protective clothing must be worn in case of fire. Selection of respiratory protection for fire fighting: follow the general fire precautions indicated in the workplace.
Fire fighting equipment/instructions	Move containers from fire area if you can do it without risk. Use water spray to cool unopened containers. Cool containers with flooding quantities of water until well after fire is out.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions	Ensure adequate ventilation. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). For personal protection, see Section 8. Avoid inhalation of vapours and aerosol spray. Avoid contact with skin and eyes.
Environmental precautions	Avoid discharge into drains, water courses or onto the ground. Collect and dispose of spillage as indicated in Section 13. Contact local authorities in case of spillage to drain/aquatic environment.
Methods for cleaning up	Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Small Spills: Absorb spillage with non-combustible, absorbent material. Large Spills: Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Wash area with soap and water.

7. HANDLING AND STORAGE

Handling	Local exhaust is recommended. Do not inhale aerosols/spray mist. Avoid contact with skin and eyes. Wear appropriate personal protective equipment. The product is extremely flammable. May form explosive mixtures with air. Do not smoke and do not spray near a naked flame or other sources of ignition. Observe good industrial hygiene practices.
Storage	Keep away from heat, sparks and open flame. Keep in a cool, well-ventilated place. Store away from incompatible materials.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational exposure limits No exposure limits noted for ingredient(s).

Exposure controls Ventilation should effectively remove and prevent buildup of any aerosols or mists generated from the handling of this product.

Occupational exposure controls

Respiratory protection In case of inadequate ventilation use suitable respirator. Use air-supplied respirator. Seek advice from local supervisor.

Hand protection Wear protective gloves. Nitrile gloves are recommended. Suitable gloves can be recommended by the glove supplier.

Eye protection Wear approved safety goggles.

Skin and body protection Wear suitable protective clothing.

General Use personal protective equipment as required. Personal protective equipment should be chosen according to the CEN standards and in discussion with the supplier of the personal protective equipment.

Environmental exposure Controls Contain spills and prevent releases and observe national regulations on emissions. Environmental manager must be informed of all major spillages.

Hygiene measures Handle in accordance with good industrial hygiene and safety practices. Wash hands after handling. Launder contaminated clothing before reuse.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance Aerosol (clear liquid) .

Physical state Liquid.

Form Aerosol

Colour Yellow.

Odour Faint vegetable oil.

Odour threshold Not available.

pH Not available.

Boiling point Not available.

Flash point < 0 °C (< 32 °F)

Flammability Not available.

Flammability limits in air, upper, % by volume Not available.

Flammability limits in air, lower, % by volume Not available.

Vapour pressure 50 psi (20 °C)

Relative density 0.89 (Water = 1)

Solubility (water) Insoluble.

Partition coefficient (n-octanol/water) Not available.

Viscosity	Not available.
Vapour density	> 1 (Air = 1)
Evaporation rate	Not available.
Melting point	Not available.
Freezing point	Not available.
Auto-ignition temperature	Not available.
VOC	23 %

10. STABILITY AND REACTIVITY

Stability	Stable at a temperature below 50°C.
Conditions to avoid	Avoid exposing aerosol containers to high temperatures or direct sunlight. Contact with incompatible materials.
Materials to avoid	Strong oxidising agents.
Hazardous decomposition Products	At thermal decomposition temperatures, carbon monoxide and carbon dioxide.
Hazardous polymerisation	Hazardous polymerisation does not occur.

11. TOXICOLOGICAL INFORMATION

Acute toxicity	Vapours and spray mist may irritate throat and respiratory system and cause coughing. In high concentrations, vapours and spray mists are narcotic and may cause headache, fatigue, dizziness and nausea.
Routes of exposure	Eye contact. Inhalation. Skin contact.
Chronic toxicity	Prolonged or repeated contact may dry skin and cause irritation.
Sensitisation	The product contains a small amount of sensitising substance which may provoke an allergic reaction among sensitive individuals.
Carcinogenicity	No data available for this product. Whiner
Mutagenicity	No test data available for the product.
Reproductivity	No test data available for the product.
Epidemiology	No epidemiological data is available for this product.
Local effects	May irritate eyes and mucous membranes. May cause skin irritation. May cause redness and pain.

12. ECOLOGICAL INFORMATION

Ecotoxicity	The product components are not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment
Mobility	The product is insoluble in water and will spread on the water surface. The product contains volatile organic compounds (VOC) which will evaporate easily from all surfaces.
Persistence and degradability	No data available.
Bioaccumulation	No data available on bioaccumulation.
Environmental effects	The product contains volatile organic compounds which have a photochemical ozone creation

potential.

Other adverse effects The product contains volatile organic compounds which have a photochemical ozone creation potential.

13. DISPOSAL CONSIDERATIONS

Disposal instructions Do not puncture or incinerate even when empty. Rags and the like, moistened with flammable liquids, must be discarded into designated fireproof bucket.

Waste from residues / unused Products Dispose of in accordance with local regulations.

EU wastecodes 15 01 10*

Waste management measures Empty aerosol containers are safe for disposal along with normal domestic refuse (special arrangements may apply locally).

14. TRANSPORT INFORMATION

ADR

Proper shipping name	AEROSOLS
Hazard class	2.1
UN number	1950
Labels required	2.2
Item	5T
Transport Category	2
	(D)

IATA

Proper shipping name	Aerosols
Hazard class	2.1
UN number	1950

IMDG

Proper shipping name	AEROSOLS
Hazard class	2.1
Subsidiary hazard class	5T
UN number	1950

ADR

IATA

IMDG

15. REGULATORY INFORMATION

Labelling

Symbol(s)

Extremely flammable

R-phrase(s) R12 Extremely flammable.

S-phrase(s) S9 Keep container in a well-ventilated place.

S16 Keep away from sources of ignition - No smoking.
S23 Do not breathe fumes, vapour.
S60 This material and its container must be disposed of as hazardous waste.

Supplemental information on the label

Pressurised container:
protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use. Young people under 18 years old are not allowed to work with this product according to EU Directive 94/33/EC on the protection of young people at work.

Other regulations

The product is classified and labelled in accordance with EC directives or respective national laws. This Safety Data Sheet complies with the requirements of Regulation (EC) No 1907/2006 as amended.

16. OTHER INFORMATION

Wording of the R-phrases in sections 2 and 3

R12 Extremely flammable.
.

Inventory status

Country(s) or region	Inventory name	On inventory (yes/no)*
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	No

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

Disclaimer

The information given is based on data available for the material, the components of the material, and similar materials.

Issue date

21-June-2010