



Material Safety Data Sheet

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Production Name: Chain Drive Pin & Bushing Lube **SuperChem862**

Date of Preparation: 06 Aug. 2015

Date of Audit: 24, Oct. 2022

Company: AIGI Environmental Incorporation

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For Chemical Emergency:

Call: 800 828 9829

Recommended Applications: Petroleum base lubricant.

SECTION 2: HAZARDS IDENTIFICATION

Classification of the substance or mixture

Regulation (EC) No. 1272/2008

According to Regulation (EC) No 1272/2008 on the classification, labelling and packaging of substances and mixtures, this product does not meet the classification criteria for any hazard category.

Label Elements:

Other hazards: None known

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Substance: Mixture

Hazardous ingredients: Not applicable

SECTION 4: FIRST AID MEASURES

Skin contact: Wash skin with soap and water. Consult a physician if irritation persists.

Eye contact: Flush eyes for at least 15 minutes with plenty of flowing water. Consult an ophthalmologist if irritation persists.

Inhalation: Remove to fresh air. If not breathing, administer artificial respiration. Consult a physician.

Ingestion: Do not induce vomiting. Consult a physician immediately. If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention.

Most important symptoms and effects, both acute and delayed: Direct contact can cause severe eye irritation, possibly burns and skin irritation. High vapor concentrations may irritate eyes, respiratory tract and possibly cause dizziness and nausea.

Indication of any immediate medical attention and special treatment needed : Treatment of symptoms.

SECTION 5: FIREFIGHTING MEASURES

Suitable extinguishing media: Carbon dioxide, dry extinguishing powder, foam or water fog

Unsuitable extinguishing media: High volume water jet

Special hazards arising from the substance or mixture: No data available

Advice for firefighters



Co-ordinate fire-fighting measures to the fire surroundings.

In case of fire: Wear self-contained breathing apparatus.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures: Evacuation area, fully ventilated, utilize exposure controls and personal protection as specified in Section 8.

Environmental protection: Prevent from entering sewers, drainage ditches, rivers and lakes.

Methods and material for containment and cleaning up: The methods of containment and removal of spilled chemicals and the disposal materials used: contain spill to a small area, keep away from ignition sources and prohibit smoking. The spill may cause the ground to slip, which shall be absorbed by sand, sawdust, clay or other inert materials and then place in a suitable container for disposal.

SECTION 7: HANDLING AND STORAGE

Operation and disposal: observe good operation procedures; keep away from ignition sources, do not smoke, and do not spray on open flames or other ignition sources. Do not smoke, eat or drink in the working area.

Conditions for safe storage: Store in a cool and dry place. Pressure vessels should be protected from sunlight and should not be exposed to temperatures exceeding 50 °C.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure controls

Appropriate engineering controls: Provide adequate ventilation as well as local exhaust at critical locations. Take measures to prevent electrostatic discharge.

Protection and hygiene measures: Avoid contact with skin, eyes and clothing. Wear protective gloves/clothing. Use tools equipped with anti-static (non sparking).

Respiratory protection: Not normally needed. If contact is possible, it is recommended to wear a protective mask. It is good practice in the industry to maintain adequate ventilation.

Hand protection: Chemical resistant gloves (e.g., nitrile rubber, neoprene)

Eye and face protection: Safety glasses

Skin and body protection: usually not required. Keep good personal hygiene habits and take preventive measures to avoid skin contact, such as wearing impermeable protective clothing, one-piece work clothes and work boots.

Hygienic measures: keep good personal hygiene habits, wash hands thoroughly after operating or handling the product, and clean work clothes and protective equipment regularly to remove pollutants; No smoking or eating in the workplace; Keep the workplace clean.

Environmental exposure controls: No special measures are necessary.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Typical physical and chemical properties are as follows. For more information, consult the supplier.

Physical state : Liquid

Colour: transparent, amber

Odour: mild odor

PH: No data available

Melting point: No data available

Boiling point: No data available



Relative density(water=1) : 0.87

Vapour density (air=1) : No data available

Flast point(open): >200℃

Viscosity / kinematic: 22 mm² /s

Welding pot: ≥160kg

Auto-ignition temperature: No data available

Explosive limit: No data available

Solubility in water: insoluble

SECTION 10: STABILITY AND REACTIVITY

Chemical stability : Stable when stored at normal ambient temperature.

Possibility of hazardous reactions : No dangerous reactions known under conditions of normal use.

Hazardous substances generated by decomposition: will not decompose under normal use conditions.

Conditions to avoid : Open flames and red hot surfaces.

Materials to avoid: strong acid, strong alkali and strong oxidant such as liquid chlorine and concentrated oxygen.

Hazardous decomposition products: CO、CO₂、NOX

SECTION 11: TOXICOLOGICAL INFORMATION

Information on toxicological effects

Acute toxicity: Based on available data, the classification criteria are not met.

Irritation and corrosivity: Based on available data, the classification criteria are not met.

Carcinogenic/mutagenic/toxic effects for reproduction: Based on available data, the classification criteria are not met.

STOT – single exposure: Based on available data, the classification criteria are not met.

STOT – repeated exposure: Based on available data, the classification criteria are not met.

Aspiration hazard :Based on available data, the classification criteria are not met.

SECTION 12: ECOLOGICAL INFORMATION

Toxicity: No data available

Persistence and degradability: No data available

Bioaccumulative potential: No data available

Mobility in soil: No data available

Results of PBT and vPvB assessment: Based on Annex XIII of REACH, the substances in the mixture do not meet the PBT/vPvB classification criteria.

Other adverse effects: No data available

SECTION 13: DISPOSAL CONSIDERATIONS

Waste treatment methods

Disposal recommendations : Dispose of waste according to applicable legislation.

Contaminated packaging : Non-contaminated packages may be recycled. Dispose of waste according to applicable legislation.

SECTION 14: TRANSPORT INFORMATION

Land transport (ADR/RID)

14.1 UN number: No dangerous good in sense of this transport regulation.

14.2 UN proper shipping name: No dangerous good in sense of this transport regulation.



14.3. Transport hazard class(es): No dangerous good in sense of this transport regulation.

14.4. Packing group: No dangerous good in sense of this transport regulation.

Inland waterways transport (ADN)

14.1 UN number: No dangerous good in sense of this transport regulation.

14.2 UN proper shipping name: No dangerous good in sense of this transport regulation.

14.3. Transport hazard class(es): No dangerous good in sense of this transport regulation.

14.4. Packing group: No dangerous good in sense of this transport regulation.

Marine transport (IMDG)

14.1 UN number: No dangerous good in sense of this transport regulation.

14.2 UN proper shipping name: No dangerous good in sense of this transport regulation.

14.3. Transport hazard class(es): No dangerous good in sense of this transport regulation.

14.4. Packing group: No dangerous good in sense of this transport regulation.

Air transport (ICAO-TI/IATA-DGR)

14.1 UN number: No dangerous good in sense of this transport regulation.

14.2 UN proper shipping name: No dangerous good in sense of this transport regulation.

14.3. Transport hazard class(es): No dangerous good in sense of this transport regulation.

14.4. Packing group: No dangerous good in sense of this transport regulation.

14.5. Environmental hazards: No

14.6 Special precautions for user: No information available.

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code: No information available.

SECTION 15: REGULATORY INFORMATION

This MSDS complies with the following national standards

《Content and Project Sequence of Safety Data Sheet for Chemicals 》 (GB/T16483-2008)

《General Rules for Classification and Hazard Publicity of Chemicals 》 (GB13690-2009)

《Classification and Name Number of Dangerous Goods 》 (GB6944-2012)

《Classification Method for Transport Packaging of Dangerous Goods 》 (GB/T15098-2008)

《Guidelines for the Preparation of Labels of Hazardous Chemicals 》 (GB15258-2009)

《Classification and Name Number of Dangerous Goods 》 (GB6944-2012)

《Packaging Marks for Dangerous Goods 》 (GB190-2009)

《Pictorial Marks for Packaging, Storage and Transportation 》 (GB/T191-2008)

《List of Dangerous Goods 》 (GB12268-2012)

《General Rules for Storage of Common Dangerous Goods 》 (GB15603-1995)

《General Technical Conditions for Transport Packaging of Dangerous Goods 》 (GB12463-1990)

《General Rules for Classification and Safety of Chemicals 》 (GB13690-2009)

《Specifications for Classification and Labeling of Chemicals 》 (GB30000)

And the following rules:

《Provisions on the Administration of Road Transport of Dangerous Goods 》 (Decree No. 2, 2013 of the Ministry of Transport of the People's Republic of China)



《Regulations on the Administration of Railway Transport of Dangerous Goods 》 (2008 Edition of the Ministry of Railways of the People's Republic of China)

《Regulations on the Safety Management of Hazardous Chemicals 》 (promulgated by the State Council in 2013)

《List of the Most Common Dangerous Goods 》

《Law of the People's Republic of China on the Prevention and Control of Environmental Pollution by Solid Wastes 》

《Recommendations on the Transport of Dangerous Goods 》 United Nations (UN TRDG)

SECTION 16: OTHER INFORMATION

Key literature references

1. Zhou Guotai, Safety Technology of Dangerous Chemicals, Chemical Industry Press, 1997
2. Toxic Chemicals Management Office of the State Environmental Protection Administration, Beijing Institute of Chemical Industry, Environmental Data Manual of Chemical Toxicity Regulations, China Environmental Science Press, 1992
3. New Safety Manual for Dangerous Goods, Chemical Industry Press, April 2001
4. 《Catalogue of Hazardous Chemicals (2015 Edition)》

This information is based solely on data provided by suppliers of the materials used, not the product itself; No warranty is expressed or implied regarding the suitability of the product for the user's particular purpose. The user must make their own determination as to suitability. For the reasons of using it for special purposes, not following the recommended recommendations, for any damage or injury caused by any inherent danger of this substance, or for use under some circumstances beyond our control and unfamiliar to us, we will not bear any responsibility for the consequences after use.



Hazardous Ingredients	%Wt.	CAS NO.
Light naphthenic distillate oil	80~90%	64742-53-6
Saturated polyol ester	10~15%	/

1. Hazards Identification

3.1 Classification according to GHS

Serious eye damage, Category 1, H318

Skin irritation, Category 2, H315

3.2 Labelling according to GHS Hazard pictograms:



Hazard statements: H318 Causes serious eye damage.

H315 Causes skin irritation.

2. First Aid Measures

Inhalation: Remove to fresh air. If not breathing, administer artificial respiration. Contact physician.

Skin Contact: Wash skin with soap and water. Consult physician if irritation develops.

Eye Contact: Flush eyes for at least 15 minutes with large amounts of water. Contact physician if irritation persists.

Ingestion: Do not induce vomiting. Contact physician immediately.

Advice to Physician: Treat symptoms.



3. Fire-Fighting Measures

Extinguishing Methods: Carbon Dioxide, dry chemical or foam.

Unusual Fire and Explosion: None.

Special Fire Fighting Measures: Cool exposed containers with water. Recommend Firefighters wear self-contained breathing apparatus.

4. Accidental Release Measures

Personal Precautions: Provide adequate ventilation. Utilize exposure controls and personal protection as specified in Section 8.

Environmental Precautions: Keep out of sewers, streams and waterways.

Methods of Clean Up: Contain spill to a small area. Pick up with absorbent material (sand, sawdust, clay, etc.) and place in a suitable container for disposal.

5. Handling and Storage

Handling: Utilize exposure controls and personal protection as specified in Section 8.

Storage: Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C.

Do not pierce or burn, even after use.

6. Exposure Controls / Personal Protection

Respiratory Protection: Not normally needed.

Ventilation: No special Requirements.

Protective Gloves: Not normally needed.

Eye Protection: Safety glasses.

Other: None.

7. Physical and Chemical Properties

Physical state:	Liquid	Odour	Peroleum odor
Color	Clear Brown	Vapour pressure @20°C	Not determind
Initial boiling point	Not determined	% Aromatics by weight	<1%
Melting point	Not determined	pH	Not applicable
Welding point	≥160kg	Flash point	≥180°C
Autoignition temp.	Not determined	Relative desity	0.87
Explosion limits	Not determined	Coefficient (water/oilP	Not determind
Method	PM Closed Cup	Solubility in water	Slight soluble

8. Stability and Reactivity

Stability: Stable

Hazarous Polymerization: Will not occur.

Conditions to Avoid: Open flames and red hot surfaces.

Materials to Avoid: Strong oxidizers like liquid Chlorime and concentrated Oxygen.

9. Toxicological Information

Primay Route of Exposure Under Normal Use: Inhalation, skin and eye contact.



Acute Effects: Direct eye contact may cause eye irritation. High vapor concentrations may irritate eyes, respiratory tract and possibly cause dizziness and nausea.

Other Information: As per 29 CFR 1910.1200(Hazard Communication), this product contains no carcinogens as listed in the National Toxicology Program (NTP), the International Agency for Research on Cancer (IARC) or the Occupational Safety and Health Administration (OSHA).

10. Ecological Information

Ecotoxicological data have not been determined specifically for this product. The information given below is based on a knowledge of the components and the ecotoxicology of similar substances.

Mobility: Slight soluble in water, negligible. In determining environmental mobility, consider the product's physical and chemical properties (see Section 9). Oil products, improperly released to the environment, can cause ground and water

Accumulation: Mineral oil: not expected to bioaccumulate.

Ecotoxicity: Not determined.

11. Disposal considerations

Incinerate absorbed material with a properly licensed facility. Check local, state and national / federal regulations and comply with the most stringent requirement.

12. Transport Information

TDG: NONHAZARDOUS, NOT REGULATED.

IMDG: NONHAZARDOUS, NOT REGULATED.

IATA/ICAO: NONHAZARDOUS, NOT REGULATED.

ADR/RID: NONHAZARDOUS, NOT REGULATED.

Shipping Name: NONHAZARDOUS, NOT REGULATED.

Hazard Class: NOT REGULATED

UN/NA #: NOT APPLICABLE

Packaging Group : NOT APPLICABLE

Emergency Response Guide Book No. - NOT APPLICABLE

13. Regulatory Information

European Classification: None

Name of the substances on the label: None

Other information: None

Canadian Classification: None -

Precautionary and First Aid Measure(s): -

Other Information: None

14. Other Information

US EPA SARA TITLE III

312 Hazards: 313 Chemicals:

Immediate N-Methyl-2-Pyrrolidone 1-2%

Hazardous Materials Identification System (HMIS)



4= Severe Hazard
3= Serious Hazard
2= Moderate Hazard
1= Slight Hazard
0= Minimal Hazard
*= See Section 8

HEALTH	1
FLAMMABILITY	1
REACTIVITY	1
Personal Protection	*

JAPAN PRTR Class 1 Chemicals: Class 2 Chemicals
 None None

Risk phrases in section 3: R11: Highly flammable.

R23/24/25: Toxic by inhalation, in contact with skin and if swallowed.

R39/23/24/25: Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed.

This information is based solely on data provided by suppliers of the materials used, not on the mixture itself. No warranty is expressed or implied regarding the accuracy of the data or the suitability of the product for the user's particular purpose. The user must make their own determination as to suitability.