

SAFETY DATA SHEET

FIRSTPOWER GROUP LLC - 1FR



Version	Revision Date	SDS Number	Date of Issue
2.2	01/01/2018	1FR-001-2018	01/01/2018

SECTION 1. IDENTIFICATION

Product Name 1 FR

Manufacturer Details

Supplier Company Name FirstPower Group LLC
Address 8941 Dutton Drive
Twinsburg, OH 44087
Telephone (330) 963-2050

Recommended use of the chemical and restrictions on use

Recommended use Industrial Lubricant

SECTION 2. HAZARDS IDENTIFICATION

GHS Classification

Not a hazardous substance or mixture

GHS Label Element

Not a hazardous substance or mixture

Hazard Statement

CAUTION

Precautionary Statement

P261 + P262

Other hazards

None known

SECTION 3. COMPOSITION OF/INFORMATION ON INGREDIENTS

Substance / Mixture	Mixture	
Substance Name		
<u>CAS Number</u>	<u>Component Name</u>	<u>Concentration</u>
64742-47-8	Distillates, petroleum, hydrotreated light	>50%
112-30-1	Capric Alcohol	<20%
20441-64-9	Didecyl Oxalate	>10%
85-05-4	Pyromellitic Acid	<5%
104-15-4	Tosylic Acid	<1%

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Hazardous ingredients

Oxalic Acid

SECTION 4. FIRST AID MEASURES

If inhaled	Remove to fresh air. Seek medical attention if symptoms occur.
In case of skin contact	Wash with warm water and soap as a precaution. Seek medical attention if symptoms occur.
In case of eye contact	Flush eyes with water as a precaution. Seek medical attention if irritation develops and persists.
If swallowed	DO NOT induce vomiting. Seek medical attention if symptoms occur. Rinse mouth thoroughly with water.
Most important symptoms and effects, both acute and delayed	Mild skin irritation/rash; nausea
Protection for first-aid providers	No special precautions are necessary.
Notes to physician	Treat symptomatically and supportively.

SECTION 5. FIREFIGHTING MEASURES

Suitable extinguishing media	Water spray Alcohol-resistant foam Dry chemical Carbon dioxide (CO ₂)
Unsuitable extinguishing media	None known
Specific hazards during firefighting	Very toxic vapors may evolve; exposure to combustion products may be hazardous to health.
Hazardous combustion products	Carbon oxides, formaldehyde
Specific extinguishing methods	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Use water spray to cool unopened containers. Remove undamaged containers from fire area if it is safe to do so. Evacuate the area.
Special protective equipment for	Wear self-contained breathing apparatus for

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fire-fighters	firefighting if necessary. Use personal protective equipment.
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SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	Follow safe handling advice and personal protective equipment recommendations.
Environmental precautions	Discharge into the environment must be avoided. Prevent further leakage or spillage if safe to do so. Prevent spreading over a wide area (e.g., by containment or oil barriers). Retain and dispose of contaminated wash water. Local authorities should be advised if significant spillages cannot be contained.
Methods and materials for containment and cleanup	Soak up with inert, absorbent material. For large spills, provide diking or other appropriate containment to keep material from spreading. If diked material can be pumped, store recovered material in appropriate container. Clean up remaining materials from spill with suitable absorbent. Local or national regulations may apply to the release and disposal of this material, as well as those materials and items employed in the cleanup of releases. You will need to determine which regulations are applicable. Sections 13 and 15 of this SDS provide information regarding local or national requirements.

SECTION 7. HANDLING AND STORAGE

Technical measures	See <i>engineering measures</i> under section 8 of this SDS.
Local/Total ventilation	Use only with adequate ventilation.
Advice on safe handling	Handle in accordance with good industrial hygiene and safety practice. Take care to prevent spills, waste and minimize release to the environment.
Conditions for safe storage	Keep in properly labeled containers. Store

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	in accordance with national regulations.
Materials to avoid	Do not store with the following product types: strong oxidizing agents.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ingredients with workplace control parameters

Contains no substances with occupational exposure limit values.

Engineering measures	Processing may form hazardous compounds (see SECTION 10). Ensure adequate ventilation, especially in confined areas. Minimize workplace exposure concentrations.
Personal protective equipment	
Respiratory protection	No personal respiratory protective equipment normally required.
Hand protection	Wash hands during breaks and at the end of the day.
Eye protection	Wear safety glasses or face shield.
Skin and body protection	Skin should be washed after contact.
Hygiene measures	Ensure that eye flushing systems and safety showers are located close to the work place. When using, do not eat, drink or smoke. Wash contaminated clothing prior to re-use. These precautions are for room temperature handling. Use at elevated temperature or aerosol/spray applications may require added precautions.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Liquid
Color:	Light yellow
Odor:	Slight
Odor threshold:	No data available
pH:	No data available
Melting point/freezing point	0°C / 32°F

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Initial boiling point and boiling range	No data available
Flash point	171° C / 340°F Method: COC
Evaporation rate	5% (at 120°C / 248°F)
Flammability (solid, gas)	Not applicable
Upper explosion limit	No data available
Lower explosion limit	No data available
Vapor pressure	No data available
Relative vapor density	No data available
Relative density	0.85
Solubility(ies)	
Water solubility	No data available
Partition coefficient: n-octanol/water	No data available
Autoignition temperature	No data available
Decomposition temperature	No data available
Viscosity	
Viscosity, kinematic	2.7@100° C / 212°F
Explosive properties	Not explosive
Oxidizing properties	The substance or mixture is not classified as oxidizing.
Molecular weight	No data available

SECTION 10. STABILITY AND REACTIVITY

Reactivity	Not classified as a reactivity hazard
Chemical stability	Stable under normal conditions
Possibility of hazardous reactions	Use at elevated temperatures may form highly hazardous compounds. Can react with strong oxidizing agents. Hazardous decomposition products will be formed at elevated temperatures.
Conditions to avoid	None known
Incompatible materials	Oxidizing agents

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Hazardous decomposition products: Formaldehyde, carbon monoxide

SECTION 11. TOXICOLOGICAL INFORMATION**Information on likely routes of exposure**

Inhalation
Skin contact
Ingestion
Eye contact

Acute toxicity

Not classified based on available information

Skin corrosion/irritation

Not classified based on available information

Serious eye damage/eye irritation

Not classified based on available information

Respiratory or skin sensitization

Not classified based on available information.

Germ cell mutagenicity

Not classified based on available information.

Carcinogenicity

Not classified based on available information.

IARC No ingredient of this product present at levels greater than or equal to 0.1% is identified as a probable, possible or confirmed human carcinogen by IARC.

OSHA No ingredient of this product present at levels greater than or equal to 0.1% is identified as a probable, possible or confirmed human carcinogen by OSHA.

NTP No ingredient of this product present at levels greater than or equal to 0.1% is identified as a probable, possible or confirmed human carcinogen by NTP.

Reproductive toxicity

Not classified based on available information.

STOT-single expose

Not classified based on available information.

STOT-repeated expose

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Not classified based on available information.

Aspiration toxicity

Not classified based on available information.

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

No data available

Persistence and degradability

No data available

Bioaccumulative potential

No data available

Mobility in soil

No data available

Other adverse effects

No data available

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods

Resource Conservation and Recovery Act (RCRA)

This product has been evaluated for RCRA characteristics and does not meet the criteria of a hazardous waste if discarded in its purchased form.

Waste from residues

Dispose of in accordance with local regulations.

Contaminated packaging

Dispose of as unused product. Empty containers should be taken to an approved waste handling site for recycling or disposal.

SECTION 14. TRANSPORT INFORMATION

International Regulation

UNRTDG

Not regulated as a dangerous good

IATA-DGR

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Not regulated as a dangerous good

IMDG-Code

Not regulated as a dangerous good

Transport in bulk according to Annex II or MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

49 CFR

Not regulated as a dangerous good

SECTION 15. REGULATORY INFORMATION

US Federal

TSCA: L17-0078

None

SARA Reportable Quantities (RQ):

None of the chemicals listed have an RQ.

OSHA – Highly Hazardous

None of the chemicals in this product are considered highly hazardous by OSHA.

US State Right to Know

None

California Regulations

None

European/International Regulations

None

Canada Ingredient Disclosure List

None

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HEALTH	0
FLAMMABILITY	1
PHYSICAL HAZARD	0

0=not significant, 1=Slight, 2=Moderate,
3=High, 4-Extreme, *=Chronic

Sources of key data used to compile the SDS:

Internal technical data, data from raw material SDSs, OECD eChem Portal search results and the European Chemicals Agency, <http://echa.europa.eu/>

Revision Date:

01/01/2018

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and shall not be considered a warranty or quality specification of any type. The information provided relates only to the specific material identified at the top of this SDS and may not be valid when the SDS material is used in combination with any other materials or in any process, unless specified in the text. Material users should review the information and recommendations in the specific context of their intended manner of handling, use, processing and storage, including an assessment of the appropriateness of the SDS material in the user's end-product, if applicable.