

FIRSTPOWER GROUP LLC 3PAO Oil

Version	Revision Date	SDS Number	Date of Issue
1.0	01/01/2018	3PAO-012018	01/01/2018

SECTION 1. IDENTIFICATION

Product Name : 3PAO
 Product Code : LK30901

Manufacturer Details

Company Name of supplier : 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/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

Substance Name :

<u>CAS Number</u>	<u>Component Name</u>	<u>Concentration</u>
151006-62-1, 151006-63-2	Polyalphaolefin Oil	>=90%
14324-55-1	Zinc Diethyldithiocarbamate	<=1%
52829-07-9	Bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate	<=1%
118-82-1	4,4'-Methylenebis(2,6-di-tert-butylphenol)	<=1%
122-39-4	Diphenylamine	<=1%

Hazardous ingredients

Diphenylamine, 4,4,'-Methylenebis(2,6-di-tert-butylphenol), Bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate, Zinc diethyldithiocarbamate.

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SECTION 4. FIRST AID MEASURES

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

SECTION 5. FIRE-FIGHTING MEASURE

Suitable extinguishing media	:	Water Spray Alcohol-resistant foam Dry chemical Carbon dioxide (CO2)
Unsuitable extinguishing media	:	None known
Specific hazards during fire fighting	:	Very toxic vapors are evolved. 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 fire-fighters	:	Wear self-contained breathing apparatus for 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 is 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 releases 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 Engineering measures under SECTION 8 of this SDS, EXPOSURE CONTROLS / PERSONAL PROTECTION.
Local/Total ventilation	:	Use only with adequate ventilation.
Advice on safe handling	:	Handle with 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 in accordance with the particular national regulations.
Materials to avoid	:	Do not store with the following product

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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 before 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 working place. When using do not eat, drink or smoke. Wash contaminated clothing before 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 : No data available

Initial boiling point and boiling range : No data available

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Flash point	:	280° C Method: COC
Evaporation rate	:	No data available
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	:	0.8343
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	:	8.9@100° C
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
Hazardous decomposition products	:	Formaldehyde

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SECTION 11.TOXILOGICAL 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

Skin sensitization: Not classified base don available information.
Respiratory 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 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 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 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

Not classified based on available information.

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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. |
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SECTION 14. TRANSPORT INFORMATION

International Regulation

UNRTDG

Not regulated as a dangerous good

IATA-DGR

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IMDG-Code

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

Not applicable for product as supplied.

Domestic

49 CFR

Not regulated as a dangerous good

SECTION 15. REGULATORY INFORMATION

US Federal

TSCA:

CAS#122-39-4, 52829-07-9 are listed on the TSCA Inventory

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 Now:

CAS# 122-39-4 can be found on the following right to know lists: California, New Jersey, Pennsylvania, Minnesota, Massachusetts.

California Regulations:

None:

European/International Regulations:

Canadian DSL/NDSL

CAS# 122-39-4, 14324-55-1 are on Canada's DSL List

Canada Ingredient Disclosure List:

CAS# 122-39-4, 14324-55-1 are listed on the Canada Ingredient Disclosure List

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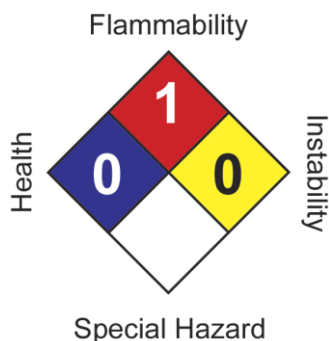
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SECTION 16. OTHER INFORMATION

Further information

NFPA:



HMIS III:

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 SDS's, OECD eChem Portal search results and the European Chemicals Agency, <http://echa.europa.eu/>

Revision Date : 05/18/2015

The information provide 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 a 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.