

SAFETY DATA SHEET

FIRSTPOWER GROUP LLC – 2MDL



Version	Revision Date	SDS Number	Date of Issue
1.0	05/22/2019	2MDL-001-2019	05/22/2019

SECTION 1. IDENTIFICATION

Product Name 2MDL

Manufacturer Details

Supplier Company Name	FirstPower Group LLC
Address	8941 Dutton Drive Twinsburg, OH 44087
Telephone	(330) 963-2050
Recommended use	Specialized Cleaner
Emergency number	Call Chemtrec: +1-800-424-9300/+1-703-527-3887

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>
111109-77-4	Dipropylene Glycol Dimethylether	>90%

Hazardous ingredients

No hazardous ingredients.

SECTION 4. FIRST AID MEASURES

If inhaled	Remove to fresh air.
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	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 (CO2)
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
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.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective	Follow safe handling advice and personal
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equipment and emergency procedures	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 in accordance with national regulations.
Materials to avoid	Do not store with the following product types: strong oxidizing agents.

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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. Wear chemically resistant gloves for prolonged use. Examples of preferred materials are Butyl Rubber and Ethyl Vinyl Alcohol Laminate (EVAL). Acceptable materials are Natural Rubber (latex), Neoprene, Nitrile (Nitril or NBR), or Polyvinylchloride (PVC).
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:	Colorless
Odor:	Slight
Odor threshold:	No data available
pH:	No data available
Melting point/freezing point	< -71°C

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Initial boiling point and boiling range	175°C
Flash point	closed cup 65°C
Evaporation rate	No test data available
Flammability (solid, gas)	Not applicable
Upper explosion limit	No data available
Lower explosion limit	0.85% vol
Vapor pressure	0.55 mmHg at 20°C
Relative vapor density	5.59
Relative density	0.904
Solubility(ies)	
Water solubility	35%
Partition coefficient: n-octanol/water	No data available
Autoignition temperature	No data available
Decomposition temperature	No data available
Viscosity	
Viscosity, kinematic	No data available
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:	Carbon Monoxide, Hydrogen Fluoride, Carbonyl Fluoride

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

Inhalation
Skin contact
Ingestion
Eye contact

Acute toxicity

Low toxicity if swallowed. Small amounts swallowed incidentally as a result of normal handling operations are not likely to cause injury; however, swallowing larger amounts may cause injury.

Skin corrosion/irritation

Prolonged exposure not likely to cause significant skin irritation. May cause allergic skin reaction in a small portion of individuals.

Serious eye damage/eye irritation

May cause slight eye irritation.

Corneal injury is unlikely.

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

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Not classified based on available information.

STOT-repeated expose

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

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Not regulated as a dangerous good

IATA-DGR

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

Pennsylvania Right to Know

To the best of our knowledge, this product does not contain chemicals at levels which require reporting under this statute.

California Prop. 65 Regulations

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

European/International Regulations

None

Canada Ingredient Disclosure List

None

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Additional Regulator Information

1,1,1,2,2,3,4,5,5,5-Decafluoropentane 138495-42-8

The United States Environmental Protection Agency has established a Significant New Use (SNUR) for one of the components in this product. See 40 § CFR 721.5645. This material contains one or more substances which requires export notification under TSCA Section 12(b) and 40 CFR Part 707 Subpart D:

SECTION 16. OTHER INFORMATION

NFPA:



HMIS III:

HEALTH	1
FLAMMABILITY	2
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/>

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

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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.