Safety Data Sheet ANDROIL AEROSOL, MM

Supercedes Date Not applicable **Issuing Date** 01/18/2017

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name ANDROIL AEROSOL, MM
Recommended use Lubricant
Information on Manufacturer
CERTIFIED LABS, DIV. OF NCH CORP.
BOX 152170
IRVING, TEXAS 75015

Product Code 5460
Chemical nature Manufacture of refined petroleum products
Emergency Telephone Number
CHEMTREC® 800-424-9300
Telephone inquiry
972-579-2477

2. HAZARD IDENTIFICATION

Color Clear **Physical state** Liquid **Odor** Mild

GHS Classification

Physical Hazards

Flammable Aerosols	Category 1
Gases under pressure	Liquefied gas

Health Hazard
None

Other hazards
None

Labeling
Signal Word
DANGER

Hazard statements
H222 - Extremely flammable aerosol
H280 - Contains gas under pressure; may explode if heated

Precautionary Statements
P210 - Keep away from heat, sparks, open flames or hot surfaces.
P211 - Do not spray on an open flame or other ignition source
P251 - Pressurized container: Do not pierce or burn, even after use
P270 - Do not eat, drink or smoke when using this product.
P403 - Store in a well-ventilated place.
P410 + P412 - Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F
P501 - Dispose of contents and container in accordance with applicable local regulations.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Component	CAS No.	Weight %
White mineral oil, solvent refined	8042-47-5	60-100
Petroleum gases, liquified, sweetened	68476-86-8	10-30

*The exact percentage (concentration) of composition has been withheld as a trade secret

4. FIRST AID MEASURES

General advice Avoid breathing vapors, mist, or gas. Avoid contact with skin, eyes and clothing.
Eye Contact Rinse thoroughly with plenty of water, also under the eyelids. Get medical attention if irritation develops and persists.
Skin Contact Wash off with soap and plenty of water. Get medical attention if irritation develops and persists.
Inhalation If inhaled, remove to fresh air. Get medical attention if symptoms occur.

Ingestion Drink 1 or 2 glasses of water. Do NOT induce vomiting. Get medical attention if symptoms occur.
Notes to physician Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Flash Point 320 °F / 160 °C **Method** Seta closed cup
Flammability Limits in Air %: Propellant. **Upper:** 9.5 **Lower:** 1.9
Suitable Extinguishing Media
Water spray. Carbon dioxide (CO2). Foam. Dry chemical. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Specific hazards arising from the chemical
Extremely flammable. Solvent vapors are heavier than air and may spread along floors. Vapors may ignite and explode. Material can create slippery conditions. Flame extension: >30 inches / >75 cm and Burnback: 0 inch / 0 cm.
Protective Equipment and Precautions for Firefighters
As in any fire, wear self-contained breathing apparatus pressure-demand, NOHSC (approved or equivalent) and full protective gear.
Aerosol Level (NFPA 30B) - 3

NFPA	**Health** 1	**Flammability** 4	**Instability** 0
HMIS	**Health** 1	**Flammability** 4	**Instability** 0

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions Use personal protective equipment. Ensure adequate ventilation. Take precautionary measures against static discharges. Remove all sources of ignition. Material can create slippery conditions.
Environmental Precautions Do not flush into surface water or sanitary sewer system.
Methods for Containment Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13).
Methods for Cleaning Up Use clean non-sparking tools to collect absorbed material. Pick up and transfer to properly labeled containers.
Neutralizing Agent Not applicable.

7. HANDLING AND STORAGE

Handling Avoid breathing vapors, mist or gas. Avoid contact with skin, eyes and clothing.
Storage Keep away from open flames, hot surfaces and sources of ignition. Store in original container. Keep containers tightly closed in a dry, cool and well-ventilated place.
Storage Temperature **Minimum** 35 °F / 2 °C **Maximum** 125 °F / 52 °C
Storage Conditions **Indoor** X **Outdoor** **Heated** **Refrigerated**

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines

Component	ACGIH TLV	OSHA PEL	NIOSH
White mineral oil, solvent refined	5 mg/m^3	5 mg/m^3	STEL 10 mg/m^3 TWA: 5 mg/m^3

Engineering Measures Ensure adequate ventilation, especially in confined areas. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction.
Personal Protective Equipment
- **Eye/Face Protection** Safety glasses with side-shields.
- **Skin Protection** For prolonged or repeated contact, use protective gloves with appropriate chemical resistance.
- **Respiratory Protection** In case of insufficient ventilation wear suitable respiratory equipment. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

General Hygiene Considerations Remove and wash contaminated clothing before re-use. Wear protective gloves/clothing. Ensure that eyewash stations and safety showers are close to the workstation location.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	Liquid	**Viscosity**	Non viscous
Color	Clear	**Odor**	Mild
Odor Threshold	Not applicable	**Appearance**	Transparent - Cloudy
pH	Not applicable	**Specific Gravity**	0.85
Evaporation Rate	< 1 (Butyl acetate=1)	**Percent Volatile (Volume)**	23
VOC Content (%)	23	**VOC Content (g/L)**	196
Vapor Pressure	1 mmHg @ 77°F	**Vapor Density**	> 2 (Air = 1.0)
Solubility	Negligible	**n-Octanol/Water Partition**	No data available
Melting Point/Range	No data available	**Decomposition Temperature**	No data available

Boiling Point/Range	> 390 °F / 199 °C	**Flammability (solid, gas)**	No data available
Flash Point	320 °F / 160 °C	**Method**	Seta closed cup
Autoignition Temperature	No information available.		
Flammability Limits in Air %:	Propellant	**Upper:** 9.5 **Lower:** 1.9	

10. STABILITY AND REACTIVITY

Chemical Stability	Stable. Hazardous polymerization does not occur.
Conditions to Avoid	Temperatures above 122 °F.
Incompatible Products	Strong oxidizing agents.
Decomposition Temperature	No data available
Hazardous Decomposition Products	Carbon oxides, Hydrocarbons.
Possibility of Hazardous Reactions	None under normal processing.

11. TOXICOLOGICAL INFORMATION

Product Information No information available.

The following values are calculated based on chapter 3.1 of the GHS document

Oral LD50	No information available
Dermal LD50	No information available
Inhalation LC50	
Gas	No information available
Mist	No information available
Vapor	No information available

Principle Route of Exposure	Inhalation, Skin contact, Eye contact.
Primary Routes of Entry	Eye contact, Inhalation, Ingestion.
Acute Effects:	
Eyes	May cause slight irritation.
Skin	May cause slight irritation.
Inhalation	May cause irritation of respiratory tract.
Ingestion	Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.
Chronic Toxicity	None known.
Target Organ Effects	Respiratory system, Skin, Eyes.
Aggravated Medical Conditions	Skin disorders, Respiratory disorders, Eyes.

Component Information

Acute Toxicity None known

Component	Oral LD50	Dermal LD50	Inhalation LC50	Draize Test	Other
White mineral oil, solvent refined 8042-47-5	> 5000 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	No data available	No data available	No data available

Component	Mutagenicity	Sensitization	Developmental Toxicity	Reproductive Toxicity	Target Organ Effects
White mineral oil, solvent refined 8042-47-5	No data available	No data available	No data available	No data available	Skin; Eyes; Respiratory system

Carcinogenicity There are no known carcinogenic chemicals in this product.

12. ECOLOGICAL INFORMATION

Product Information No information available.

Component Information

Component	Toxicity to Algae	Toxicity to Fish	Microtox	Crustacea	Partition coefficien
White mineral oil, solvent refined	No information available.	LC50 > 10000 mg/L Lepomis macrochirus 96 h	No information available	No information available.	6.006
Petroleum gases, liquified, sweetened	No information available.	No information available.	No information available	No information available.	2.8

Persistence and Degradability	No information available.
Bioaccumulation	No information available.
Mobility	No information available.

13. DISPOSAL CONSIDERATIONS

Product Disposal	Dispose of in accordance with local regulations.
Container Disposal	Contents under pressure. Do not puncture. Empty remaining contents. Empty containers should be

taken for local recycling, recovery, or waste disposal.

14. TRANSPORT INFORMATION

DOT DOT
- **Proper Shipping Name** Consumer commodity
- **Hazard Class** ORM-D
- **Description** Consumer commodity ,ORM-D

TDG
- **Proper shipping name** Aerosols
- **Hazard Class** 2.1
- **UN-No** UN1950
- **Description** UN1950, Aerosols,2.1, LTD QTY

ICAO
- **UN-No** UN1950
- **Proper Shipping Name** Aerosols
- **Hazard Class** 2.1
- **Shipping Description** UN1950,Aerosols, flammable,2.1, LTD QTY

IATA
- **UN-No** UN1950
- **Proper Shipping Name** Aerosols, flammable
- **Hazard Class** 2.1
- **ERG-Code** 10L
- **Shipping Description** UN1950,Aerosols, flammable,2.1, LTD QTY

IMDG/IMO
- **Proper Shipping Name** Aerosols
- **Hazard Class** 2.1
- **UN-No** UN1950
- **EmS No.** F-D, S-U
- **Description** UN1950, Aerosols,2.1, LTD QTY

15. REGULATORY INFORMATION

Inventories
TSCA Complies
DSL Complies
U.S. Federal Regulations

SARA 313
Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.
SARA 311/312 Hazardous Categorization

Acute Health Hazard	Chronic Health Hazard	Fire Hazard	Sudden Release of Pressure Hazard	Reactive Hazard
No	No	Yes	Yes	No

CERCLA

16. OTHER INFORMATION

Prepared By Samantha Purvis
Supercedes Date Not applicable
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Reason for Revision No information available.
Glossary No information available.
List of References. No information available.

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