

Safety Data Sheet: SYSTEM PURGE

Supersedes Date 12/10/2014

Issuing Date 07/19/2018

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name SYSTEM PURGE
Recommended use Lubricant / Extreme Pressure Gear Oil
Information on Manufacturer
CERTIFIED LABS, DIV. OF NCH CORP.
BOX 152170
IRVING, TEXAS 75015

Product Code 256J
Chemical nature Petroleum distillates
Emergency Telephone Number
CHEMTREC® 800-424-9300
Telephone inquiry
972-579-2477

2. HAZARD IDENTIFICATION

Color Brown

Physical state Liquid

Odor Mild Petroleum

GHS Classification

Physical Hazards

Health Hazard

Serious Eye Damage/Eye Irritation

Category 2B

Other hazards

None

Labeling

Signal Word

WARNING

Hazard statements

H320 - Causes eye irritation

Precautionary Statements

P264 - Wash face, hands and any exposed skin thoroughly after handling.
P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes.
Remove contact lenses, if present and easy to do. Continue rinsing.
P337 + P313 - If eye irritation persists, get medical attention.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	Weight %
White mineral oil, solvent refined	8042-47-5	80-100
Calcium sulfonate	61789-86-4	10-30

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

4. FIRST AID MEASURES

General advice

Avoid contact with skin, eyes and clothing. Avoid breathing mist.

Eye Contact

Rinse thoroughly with plenty of water, also under the eyelids. Get medical attention if irritation develops and persists.

Skin Contact

Wipe up with absorbent material (e.g. cloth, fleece). Wash off with soap and plenty of water. Get medical attention if irritation develops and persists. Wash contaminated clothing before re-use.

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 399 °F / 204 °C

Method Open cup

Flammability Limits in Air %: Not applicable.

Upper: No data available

Lower: No data available

Suitable Extinguishing Media

Carbon dioxide (CO2). Dry chemical. Foam. Water spray. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Specific hazards arising from the chemical

Material can create slippery conditions.

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.

NFPA	Health 1	Flammability 1	Instability 0
HMIS -	Health 1	Flammability 1	Instability 0

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions Use personal protective equipment. Prevent further leakage or spillage if safe to do so. 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 Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).

Neutralizing Agent Not applicable.

7. HANDLING AND STORAGE

Handling Avoid contact with skin, eyes and clothing. Avoid breathing mist.

Storage Store in original container. Keep containers tightly closed in a dry, cool and well-ventilated place.

Storage Temperature **Minimum** 0 °F / -18 °C **Maximum** 120 °F / 49 °C

Storage Conditions **Indoor** X **Outdoor** **Heated** **Refrigerated**

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines

Chemical Name	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 inadequate ventilation wear respiratory protection. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

General Hygiene Considerations

Ensure that eyewash stations and safety showers are close to the workstation location. Remove and wash contaminated clothing before re-use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	Liquid	Viscosity	Slight viscous
Color	Brown	Odor	Mild Petroleum
Odor Threshold	Not applicable	Appearance	Transparent
pH	Not applicable	Specific Gravity	0.934
Evaporation Rate	0 (Butyl acetate=1)	Percent Volatile (Volume)	0
VOC Content (%)	0	VOC Content (g/L)	0
Vapor Pressure	0.01 mmHg @ 70°F	Vapor Density	8.8 (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	> 576 °F / 302 °C	Flammability (solid, gas)	No data available
Flash Point	399 °F / 204 °C	Method	Open cup
Autoignition Temperature	No information available.		
Flammability Limits in Air %:	Not applicable	Upper:	No data available
		Lower:	No data available

10. STABILITY AND REACTIVITY

Chemical Stability Stable. Hazardous polymerization does not occur.

Conditions to Avoid None known.

Incompatible Products Strong oxidizing agents.

Decomposition Temperature No data available

Hazardous Decomposition Products Carbon oxides, Sulfur oxides, Aldehydes.

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 Eye contact, Inhalation, Skin contact.

Primary Routes of Entry None known.

Acute Effects:

Eyes May cause eye irritation.

Skin May cause skin irritation.

Inhalation May cause irritation of respiratory tract. (Mist).

Ingestion Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Chronic Toxicity Prolonged or repeated inhalation may cause damage to the lungs. Prolonged skin contact may defat the skin and produce dermatitis.

Target Organ Effects Respiratory system.

Aggravated Medical Conditions Skin disorders, Respiratory disorders.

Component Information

Acute Toxicity

Chemical Name	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
Calcium sulfonate 61789-86-4	> 5000 mg/kg (Rat)	> 4000 mg/kg (Rabbit)	No data available	No data available	No data available

Chemical Name	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

Chemical Name	Toxicity to Algae	Toxicity to Fish	Microtox	Crustacea	Partition coefficient
White mineral oil, solvent refined	No information available.	LC50 > 10000 mg/L Lepomis macrochirus 96 h	No information available	No information available.	6.006
Calcium sulfonate	No information available.	LC50 5.7 - 9.7 mg/L Pimephales promelas 96 h LC50 1.0 - 10.0 mg/L Pimephales promelas 96 h	No information available	6.2 - 12: 48 h Daphnia magna mg/L EC50	N/A

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 Empty containers should be taken for local recycling, recovery, or waste disposal.

14. TRANSPORT INFORMATION

DOT Not regulated

TDG Not regulated

ICAO Not regulated

IATA Not regulated

IMDG/IMO Not regulated

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

See Section 2

CERCLA

16. OTHER INFORMATION

Prepared By	Kim Franklin
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Reason for Revision	SDS sections updated 9
Glossary	No information available.
List of References.	No information available.

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