

Safety Data Sheet NP-1

Supersedes Date 07/28/2015

Issuing Date 02/25/2016

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name NP-1
Recommended use Lubricant
Information on Manufacturer
CERTIFIED LABS, DIV. OF NCH CORP.
BOX 152170
IRVING, TEXAS 75015

Product Code J199
Chemical nature Petroleum distillates Mixture
Emergency Telephone Number
CHEMREC® 800-424-9300
Telephone inquiry
972-579-2477

2. HAZARD IDENTIFICATION

Color off-white

Physical state Liquid

Odor Petroleum distillates

GHS

Classification

Physical Hazards

Flammable Aerosols
Gases under pressure

Category 2
Compressed Gas

Health Hazard

Aspiration Toxicity
Skin Corrosion/Irritation
Serious Eye Damage/Eye Irritation
Specific target organ systemic toxicity (single exposure)

Category 1
Category 2
Category 2A
Category 3

Other hazards

None

Labeling

Signal Word

DANGER



Hazard statements

H223 - Flammable aerosol
H315 - Causes skin irritation
H319 - Causes serious eye irritation
H304 - May be fatal if swallowed and enters airways
H336 - May cause drowsiness or dizziness
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.
P261 - Avoid breathing vapors, mist or gas.
P271 - Use in a well-ventilated area.
P280 - Wear protective gloves, protective clothing and eye protection.
P264 - Wash face, hands and any exposed skin thoroughly after handling
P304 + P340 - IF INHALED: Remove person to fresh air and keep at rest in a position comfortable for breathing.
P312 - Call a physician if unwell.
P302 + P352 - IF ON SKIN: Wash with plenty of soap and water
P332 + P313 - If skin irritation occurs, get medical attention.
P362 - Take off contaminated clothing and wash before reuse
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.
P301+ P330 + P331 - IF SWALLOWED: Rinse mouth. DO NOT induce vomiting. Call a physician if unwell.
P410 + P403 - Protect from sunlight. Store in a well-ventilated place
P412 - 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 % *
Methyl acetate	79-20-9	40-70
Heptane (n-)	142-82-5	10-30
Petrolatum	8009-03-8	7-13
Isobutane	75-28-5	3-7
Propane	74-98-6	3-7
Polytetrafluoroethylene	9002-84-0	0.1-1

*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	Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. 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. Remove and 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 immediately. Never give anything by mouth to an unconscious person.
Notes to physician	Treat symptomatically. Aspiration hazard if swallowed - can enter lungs and cause damage. May be fatal if swallowed and enters airways.

5. FIRE-FIGHTING MEASURES

Flash Point 15.8 °F / -9 °C	Method No data available		
Flammability Limits in Air %: Solvent mixture.	Upper: 16	Lower: 1.05	
Suitable Extinguishing Media			
Foam. Carbon dioxide (CO ₂). Dry chemical. Water spray. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.			
Specific hazards arising from the chemical			
Flammable. Solvent vapors are heavier than air and may spread along floors. Vapors may ignite and explode. Flame extension: 18.11 inches / 46 cm and Burnback: 0.79 inch / 2 cm. 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.			
Aerosol Level (NFPA 30B) -	2		
NFPA	Health 2	Flammability 4	Instability 0
HMIS	Health 2	Flammability 4	Instability 0

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions	Use personal protective equipment. Remove all sources of ignition. Ensure adequate ventilation. Take precautionary measures against static discharges. 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	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	Keep away from open flames, hot surfaces and sources of ignition. Avoid breathing vapors, mist or gas. Avoid contact with skin, eyes and clothing.
Storage	Keep away from heat and sources of ignition. Store in original container. Keep in a dry, cool and well-ventilated place.
Storage Temperature	Minimum 35 °F / 2 °C
Storage Conditions	Indoor X Outdoor
	Maximum 120 °F / 49 °C
	Heated Refrigerated

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines	Component	ACGIH TLV	OSHA PEL	NIOSH

Methyl acetate	TWA: 200 ppm STEL: 250 ppm	TWA: 200 ppm TWA: 610 mg/m ³	3100 ppm STEL 250 ppm STEL 760 mg/m ³ TWA: 200 ppm TWA: 610 mg/m ³
Heptane (n-)	TWA: 400 ppm STEL: 500 ppm	TWA: 500 ppm TWA: 2000 mg/m ³	750 ppm Ceiling: 440 ppm Ceiling: 1800 mg/m ³ TWA: 85 ppm TWA: 350 mg/m ³
Petrolatum	5 mg/m ³ as oil mist	10 mg/m ³ as oil mist	No data available
Isobutane	STEL: 1000 ppm	No data available	TWA: 800 ppm TWA: 1900 mg/m ³
Propane	TWA: 1000 ppm	TWA: 1000 ppm TWA: 1800 mg/m ³	2100 ppm TWA: 1000 ppm TWA: 1800 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	Tightly fitting safety goggles.
Skin Protection	Wear suitable protective clothing, Impervious gloves.
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	Remove and wash contaminated clothing before re-use. Ensure that eyewash stations and safety showers are close to the workstation location. Wear protective gloves/clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	Liquid	Viscosity	Non viscous
Color	off-white	Odor	Petroleum distillates
Odor Threshold	Not applicable	Appearance	Cloudy
pH	Not applicable	Specific Gravity	0.83
Evaporation Rate	27.53 (Butyl acetate=1)	Percent Volatile (Volume)	89.3
VOC Content (%)	25	VOC Content (g/L)	207.5
Vapor Pressure	999.22 mmHg @ 70°F	Vapor Density	1.6 (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	No data available	Flammability (solid, gas)	No data available
Flash Point	15.8 °F / -9 °C	Method	No data available
Autoignition Temperature	No information available.		
Flammability Limits in Air %:	Solvent mixture	Upper: 16 Lower: 1.05	

10. STABILITY AND REACTIVITY

Chemical Stability	Stable. Hazardous polymerization does not occur.
Conditions to Avoid	Keep away from open flames, hot surfaces, and sources of ignition.
Incompatible Products	Strong oxidizing agents, Reducing agents, Strong acids, Strong bases, Molten alkali metals, Halogens.
Decomposition Temperature	No data available
Hazardous Decomposition Products	Carbon oxides, Hydrogen fluoride.
Possibility of Hazardous Reactions	None under normal processing.

11. TOXICOLOGICAL INFORMATION

Product Information	No information available.
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The following values are calculated based on chapter 3.1 of the GHS document

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

Principle Route of Exposure	Skin contact, Eye contact, Inhalation.
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Primary Routes of Entry	Skin contact, Skin Absorption.
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Acute Effects:

Eyes	Causes serious eye irritation.
Skin	Causes skin irritation.

Inhalation	Inhalation may cause central nervous system effects. May cause central nervous system depression. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness.				
Ingestion	Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. Aspiration hazard if swallowed - can enter lungs and cause damage. May be fatal if swallowed and enters airways.				
Chronic Toxicity	Prolonged skin contact may defat the skin and produce dermatitis. Repeated and prolonged exposure to solvents may cause brain and nervous system damage. Prolonged or repeated inhalation may cause damage to the lungs.				
Target Organ Effects	Skin, Eyes, Central nervous system, Respiratory system.				
Aggravated Medical Conditions	Respiratory disorders, Skin disorders, Neurological disorders.				

Component Information

Acute Toxicity

Component	Oral LD50	Dermal LD50	Inhalation LC50	Draize Test	Other
Methyl acetate 79-20-9	> 5000 mg/kg (Rat)	> 5 g/kg (Rabbit)	= 16000 ppm (Rat) 4 h	no data available	no data available
Heptane (n-) 142-82-5	no data available	= 3000 mg/kg (Rabbit)	= 103 g/m ³ (Rat) 4 h	no data available	no data available
Petrolatum 8009-03-8	no data available	= 3600 mg/kg (Rabbit)	no data available	no data available	no data available
Isobutane 75-28-5	no data available	no data available	= 658 mg/L (Rat) 4 h	no data available	no data available
Propane 74-98-6	no data available	no data available	= 658 mg/L (Rat) 4 h	no data available	no data available

Component	Mutagenicity	Sensitization	Developmental Toxicity	Reproductive Toxicity	Target Organ Effects
Methyl acetate 79-20-9	no data available	no data available	no data available	no data available	Skin Central nervous system Eyes Respiratory system
Heptane (n-) 142-82-5	no data available	no data available	no data available	no data available	Skin Central nervous system Respiratory system
Isobutane 75-28-5	no data available	no data available	no data available	no data available	Central nervous system
Propane 74-98-6	no data available	no data available	no data available	no data available	Central nervous system

Carcinogenicity

The table below indicates whether each agency has listed any ingredient as a carcinogen.

Component	ACGIH	IARC	NTP	OSHA	Other
Polytetrafluoroethylene 9002-84-0	not applicable	Group 3	not applicable	not applicable	not applicable

12. ECOLOGICAL INFORMATION

Product Information

No information available.

Component Information

Component	Toxicity to Algae	Toxicity to Fish	Microtox	Crustacea	log Pow
Methyl acetate	EC50 > 120 mg/L Desmodesmus subspicatus 72 h	LC50 295 - 348 mg/L Pimephales promelas 96 h LC50 250 - 350 mg/L Brachydanio rerio 96 h	EC50 = 6000 mg/L 16 h EC50 = 6100 mg/L 30 min	1026.7: 48 h Daphnia magna mg/L EC50	0.18
Heptane (n-)	No information available.	LC50 = 375.0 mg/L Cichlid fish 96 h	No information available	No information available.	4.66
Isobutane	No information available.	No information available.	No information available	No information available.	2.88
Propane	No information available.	No information available.	No information available	No information available.	2.3

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

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, FLAMMABLE, 2.1, LTD QTY

ICAO

Shipping Description DO NOT SHIP AIR

IATA

Shipping Description DO NOT SHIP AIR

IMDG/IMO

Proper Shipping Name AEROSOLS
 Hazard Class 2
 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
Yes	Yes	Yes	Yes	No

CERCLA

16. OTHER INFORMATION

Prepared By Laura Strauss
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 Reason for Revision No information available.
 Glossary No information available.
 List of References. No information available.

CERTIFIED LABS, DIV. OF NCH CORP.assumes no responsibility for personal injury or property damage caused by the use, storage, or disposal of the product in a manner not recommended on the product label. Users assume all risks associated with such unrecommended use, storage or disposal of the product. The information provided on this document is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.