

# Safety Data Sheet NP-1

Supersedes Date 07/28/2015

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## 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**  
CHEMTREC® 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

<b>General advice</b>	Avoid breathing vapors, mist, or gas. Avoid contact with skin, eyes and clothing.
<b>Eye Contact</b>	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.
<b>Skin Contact</b>	Wash off with soap and plenty of water. Get medical attention if irritation develops and persists. Remove and wash contaminated clothing before re-use.
<b>Inhalation</b>	If inhaled, remove to fresh air. Get medical attention if symptoms occur.
<b>Ingestion</b>	Drink 1 or 2 glasses of water. Do NOT induce vomiting. Get medical attention immediately. Never give anything by mouth to an unconscious person.
<b>Notes to physician</b>	Treat symptomatically. Aspiration hazard if swallowed - can enter lungs and cause damage. May be fatal if swallowed and enters airways.

### 5. FIRE-FIGHTING MEASURES

<b>Flash Point</b> 15.8 °F / -9 °C	<b>Method</b> No data available
<b>Flammability Limits in Air %:</b> Solvent mixture.	<b>Upper:</b> 16 <b>Lower:</b> 1.05
<b>Suitable Extinguishing Media</b>	
Foam. Carbon dioxide (CO2). Dry chemical. Water spray. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.	
<b>Specific hazards arising from the chemical</b>	
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.	
<b>Protective Equipment and Precautions for Firefighters</b>	
As in any fire, wear self-contained breathing apparatus pressure-demand, NOHSC (approved or equivalent) and full protective gear.	
<b>Aerosol Level (NFPA 30B) -</b>	2
<b>NFPA</b>	<b>Health</b> 2 <b>Flammability</b> 4 <b>Instability</b> 0
<b>HMIS</b>	<b>Health</b> 2 <b>Flammability</b> 4 <b>Instability</b> 0

### 6. ACCIDENTAL RELEASE MEASURES

<b>Personal Precautions</b>	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.
<b>Environmental Precautions</b>	Do not flush into surface water or sanitary sewer system.
<b>Methods for Containment</b>	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).
<b>Methods for Cleaning Up</b>	Use clean non-sparking tools to collect absorbed material. Pick up and transfer to properly labeled containers.
<b>Neutralizing Agent</b>	Not applicable.

### 7. HANDLING AND STORAGE

<b>Handling</b>	Keep away from open flames, hot surfaces and sources of ignition. Avoid breathing vapors, mist or gas. Avoid contact with skin, eyes and clothing.			
<b>Storage</b>	Keep away from heat and sources of ignition. Store in original container. Keep in a dry, cool and well-ventilated place.			
<b>Storage Temperature</b>	<b>Minimum</b>	35 °F / 2 °C	<b>Maximum</b>	120 °F / 49 °C
<b>Storage Conditions</b>	<b>Indoor</b>	X	<b>Outdoor</b>	<b>Heated</b> <b>Refrigerated</b>

### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

#### Exposure Guidelines

Component	ACGIH TLV	OSHA PEL	NIOSH
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Methyl acetate	TWA: 200 ppm STEL: 250 ppm	TWA: 200 ppm TWA: 610 mg/m <sup>3</sup>	3100 ppm STEL 250 ppm STEL 760 mg/m <sup>3</sup> TWA: 200 ppm TWA: 610 mg/m <sup>3</sup>
Heptane (n-)	TWA: 400 ppm STEL: 500 ppm	TWA: 500 ppm TWA: 2000 mg/m <sup>3</sup>	750 ppm Ceiling: 440 ppm Ceiling: 1800 mg/m <sup>3</sup> TWA: 85 ppm TWA: 350 mg/m <sup>3</sup>
Petrolatum	5 mg/m <sup>3</sup> as oil mist	10 mg/m <sup>3</sup> as oil mist	No data available
Isobutane	STEL: 1000 ppm	No data available	TWA: 800 ppm TWA: 1900 mg/m <sup>3</sup>
Propane	TWA: 1000 ppm	TWA: 1000 ppm TWA: 1800 mg/m <sup>3</sup>	2100 ppm TWA: 1000 ppm TWA: 1800 mg/m <sup>3</sup>

**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**

**Skin Protection**

**Respiratory Protection**

Tightly fitting safety goggles.

Wear suitable protective clothing, Impervious gloves.

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

<b>Physical state</b>	Liquid	<b>Viscosity</b>	Non viscous
<b>Color</b>	off-white	<b>Odor</b>	Petroleum distillates
<b>Odor Threshold</b>	Not applicable	<b>Appearance</b>	Cloudy
<b>pH</b>	Not applicable	<b>Specific Gravity</b>	0.83
<b>Evaporation Rate</b>	27.53 (Butyl acetate=1)	<b>Percent Volatile (Volume)</b>	89.3
<b>VOC Content (%)</b>	25	<b>VOC Content (g/L)</b>	207.5
<b>Vapor Pressure</b>	999.22 mmHg @ 70°F	<b>Vapor Density</b>	1.6 (Air = 1.0)
<b>Solubility</b>	Negligible	<b>n-Octanol/Water Partition</b>	No data available
<b>Melting Point/Range</b>	No data available	<b>Decomposition Temperature</b>	No data available
<b>Boiling Point/Range</b>	No data available	<b>Flammability (solid, gas)</b>	No data available
<b>Flash Point</b>	15.8 °F / -9 °C	<b>Method</b>	No data available
<b>Autoignition Temperature</b>	No information available.		
<b>Flammability Limits in Air %:</b>	Solvent mixture	<b>Upper: 16 Lower: 1.05</b>	

## 10. STABILITY AND REACTIVITY

<b>Chemical Stability</b>	Stable. Hazardous polymerization does not occur.
<b>Conditions to Avoid</b>	Keep away from open flames, hot surfaces, and sources of ignition.
<b>Incompatible Products</b>	Strong oxidizing agents, Reducing agents, Strong acids, Strong bases, Molten alkali metals, Halogens.
<b>Decomposition Temperature</b>	No data available
<b>Hazardous Decomposition Products</b>	Carbon oxides, Hydrogen fluoride.
<b>Possibility of Hazardous Reactions</b>	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

**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.

**Primary Routes of Entry** Skin contact, Skin Absorption.

**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 <sup>3</sup> ( 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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**Glossary** No information available.  
**List of References.** No information available.

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