

# Safety Data Sheet: PN-105 (AEROSOL)

Supersedes Date Not applicable

Issuing Date 02/06/2015

## 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name** PN-105 (AEROSOL)

**Recommended use** Lubricant

**Information on Manufacturer**

Partsmaster, Div of NCH Corp.

P.O. Box 655326

Dallas, TX 75265-5326

**Product Code** 54V7

**Chemical nature** Solvent blend

**Emergency Telephone Number**

CHEMTREC® 800-424-9300

**Telephone inquiry**

800-336-0450

## 2. HAZARD IDENTIFICATION

**Color** Amber

**Physical State** Liquid

**Odor** No information available

### GHS

#### Classification

##### Physical Hazards

Flammable aerosols

Gases under pressure

Category 2

Compressed Gas

##### Health Hazard

Aspiration Toxicity

Serious Eye Damage/Eye Irritation

Reproductive Toxicity

Specific target organ systemic toxicity (single exposure)

Specific target organ systemic toxicity (repeated exposure)

Category 1

Category 2

Category 2

Category 3

Category 2

##### Other hazards

None

### Labeling

#### Signal Word

**DANGER**



#### Hazard Statements

H222 - Extremely flammable aerosol

H319 - Causes serious eye irritation

H304 - May be fatal if swallowed and enters airways

H336 - May cause drowsiness or dizziness

H361 - Suspected of damaging fertility or the unborn child

H373 - May cause damage to organs through prolonged or repeated exposure

H280 - Contains gas under pressure; may explode if heated

#### Precautionary Statements

P202 - Do not handle until all safety precautions have been read and understood

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

P260 - Do not breathe vapor, mist, or gas.

P271 - Use in a well-ventilated area.

P264 - Wash face, hands and any exposed skin thoroughly after handling.

P280 - Wear protective gloves, protective clothing and eye protection.

P270 - Do not eat, drink or smoke when using this product

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.

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 + P412 - Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F

P403 + P233 - Store in a well-ventilated place. Keep container tightly closed

P501 - Dispose of contents and container in accordance with applicable regulations.

15 % of the mixture consists of ingredient(s) of unknown toxicity

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

Component	CAS-No	Weight %
Methyl acetate	79-20-9	15-40
Petroleum distillates, hydrotreated light	64742-47-8	15-40
Petroleum distillates, hydrotreated heavy naphthenic (<3% DMSO extractable)	64742-52-5	7-13
Petroleum distillates, hydrotreated light naphthenic (<3% DMSO extractable)	64742-53-6	7-13
Propane	74-98-6	5-10
Sodium sulfonate	68608-26-4	3-7
Petroleum distillates, solvent dewaxed heavy paraffinic (<3% DMSO extractable)	64742-65-0	1-5
Butane	106-97-8	1-5
Methyl alcohol	67-56-1	0.1-1

\*\*\*

## 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 immediately.
<b>Skin Contact</b>	Wash off with soap and plenty of water. Get medical attention if irritation develops and persists.
<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. Rinse mouth.
<b>Notes to physician</b>	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>	Seta closed cup
<b>Flammability Limits in Air % Mixture.</b>		<b>Upper</b>	36
<b>Suitable Extinguishing Media</b>		<b>Lower</b>	1.9
Water spray. Carbon dioxide (CO <sub>2</sub> ). Foam. Dry chemical. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.			
<b>Specific hazards arising from the chemical</b>			
Solvent vapors are heavier than air and may spread along floors. Vapors may ignite and explode. Flame extension: >24 inches / >61 cm and Burnback: >3 inch / >7.0 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, MSHA/NIOSH (approved or equivalent) and full protective gear.			
<b>Aerosol Level (NFPA 30B) -</b>			
	3		
<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. 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 heat and sources of ignition. Avoid breathing vapors or mists. Avoid contact with skin, eyes and clothing.			
<b>Storage</b>	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.			
<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
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>
Petroleum distillates, hydrotreated light	525 mg/m <sup>3</sup> TWA	No data available	No data available
Petroleum distillates, hydrotreated heavy naphthenic (<3% DMSO extractable)	TWA: 5 mg/m <sup>3</sup> ; STEL: 10 mg/m <sup>3</sup>	TWA: 5 mg/m <sup>3</sup>	No data available
Petroleum distillates, hydrotreated light naphthenic (<3% DMSO extractable)	5 mg/m <sup>3</sup> as oil mist	10 mg/m <sup>3</sup> as oil mist	No data available
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>
Petroleum distillates, solvent dewaxed heavy paraffinic (<3% DMSO extractable)	TWA: 5 mg/m <sup>3</sup> STEL: 10 mg/m <sup>3</sup>	TWA: 5 mg/m <sup>3</sup>	No data available
Butane	STEL: 1000 ppm	No data available	TWA: 800 ppm TWA: 1900 mg/m <sup>3</sup>
Methyl alcohol	TWA: 200 ppm Skin STEL: 250 ppm	TWA: 200 ppm TWA: 260 mg/m <sup>3</sup>	6000 ppm STEL 250 ppm STEL 325 mg/m <sup>3</sup> TWA: 200 ppm TWA: 260 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

Safety glasses with side-shields.

## Skin Protection

Wear suitable protective clothing, Impervious gloves.

## 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

Ensure that eyewash stations and safety showers are close to the workstation location. Remove and wash contaminated clothing before re-use. Do not eat, drink or smoke when using this product.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical State</b>	Liquid	<b>Viscosity</b>	Non viscous
<b>Color</b>	Amber	<b>Odor</b>	No information available
<b>Odor Threshold</b>	Not applicable	<b>Appearance</b>	Transparent - Hazy
<b>pH</b>	Not applicable	<b>Specific Gravity</b>	0.872
<b>Evaporation Rate</b>	28.37 (Butyl acetate=1)	<b>Percent Volatile (Volume)</b>	74.4
<b>VOC Content (%)</b>	39.2	<b>VOC Content (g/L)</b>	342
<b>Vapor Pressure</b>	1274.78 mmHg @ 70 °F	<b>Vapor Density</b>	1.7
<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>	Seta closed cup
<b>Autoignition Temperature</b>	No information available.		
<b>Flammability Limits in Air %</b>	Mixture.	<b>Upper 36 Lower 1.9</b>	

## 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, Amines, Nitric acid.

## Hazardous Decomposition Products

Carbon oxides, Nitrogen oxides (NOx), Sulfur oxides, Aldehydes, Ketones, 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 (Rev. 3, 2009):

<b>Oral LD50</b>	No information available
<b>Dermal LD50</b>	No information available
<b>Inhalation LC50</b>	
<b>Gas</b>	No information available
<b>Mist</b>	No information available
<b>Vapor</b>	No information available
<b>Principle Route of Exposure</b>	Inhalation, Skin contact, Eye contact.
<b>Primary Routes of Entry</b>	Inhalation, Skin Absorption.
<b>Acute Effects</b>	
<b>Eyes</b>	Causes eye irritation.
<b>Skin</b>	Repeated exposure may cause skin dryness or cracking.
<b>Inhalation</b>	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.
<b>Ingestion</b>	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.
<b>Chronic Toxicity</b>	Repeated and prolonged exposure to solvents may cause brain and nervous system damage. Liver and kidney injuries may occur. Contains a known or suspected reproductive toxin.
<b>Target Organ Effects</b>	Central nervous system, Respiratory system, Liver, Kidney, Heart, Gastrointestinal tract, Blood, Pancreas, Reproductive System.
<b>Aggravated Medical Conditions</b>	Respiratory system, Skin disorders, Neurological disorders, Liver disorders, Kidney disorders.

## Component Information

**Acute Toxicity**

Component	LD50 Oral	LD50 Dermal	LC50 Inhalation	Draize Test	Other
Methyl acetate	> 5000 mg/kg ( Rat )	> 5 g/kg ( Rabbit )	= 16000 ppm ( Rat ) 4 h	no data available	no data available
Petroleum distillates, hydrotreated light	> 5000 mg/kg ( Rat )	> 2000 mg/kg ( Rabbit )	no data available	no data available	no data available
Petroleum distillates, hydrotreated heavy naphthenic (<3% DMSO extractable)	> 5000 mg/kg ( Rat )	> 5000 mg/kg (Rabbit)	no data available	no data available	no data available
Propane	no data available	no data available	= 658 mg/L ( Rat ) 4 h	no data available	no data available
Petroleum distillates, solvent dewaxed heavy paraffinic (<3% DMSO extractable)	>5000 mg/kg (rat)	>5000 mg/kg (rabbit)	no data available	no data available	no data available
Butane	no data available	no data available	= 658 g/m <sup>3</sup> ( Rat ) 4 h	no data available	no data available
Methyl alcohol	= 5628 mg/kg ( Rat )	no data available	= 22500 ppm ( Rat ) 8 h	no data available	no data available

Component	Mutagenicity	Sensitization	Developmental Toxicity	Reproductive Toxicity	Target Organ Effects
Methyl acetate	no data available	no data available	no data available	no data available	eyes, CNS, respiratory system, skin
Petroleum distillates, hydrotreated light	no data available	no data available	no data available	no data available	Respiratory system, CNS, Liver, Kidney
Petroleum distillates, hydrotreated light naphthenic (<3% DMSO extractable)	no data available	no data available	no data available	no data available	respiratory system
Propane	no data available	no data available	no data available	no data available	CNS, heart
Butane	no data available	no data available	no data available	no data available	CNS, heart
Methyl alcohol	no data available	no data available	x	no data available	eyes, CNS, skin, GI tract, respiratory system, kidney, spleen, liver, blood, pancreas, heart, reproductive 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	Water Flea	log Pow
Methyl acetate	EC50 > 120 mg/L Desmodesmus subspicatus 72 h	LC50 250 - 350 mg/L Brachydanio rerio 96 h LC50 295 - 348 mg/L Pimephales promelas 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
Petroleum distillates, hydrotreated light	no data available	LC50 = 2.2 mg/L Lepomis macrochirus 96 h LC50 = 2.4 mg/L Oncorhynchus mykiss 96 h LC50 = 45 mg/L Pimephales	no data available	no data available	N/A

Petroleum distillates, hydrotreated heavy naphthenic (<3% DMSO extractable)	no data available	promelas 96 h LC50 > 5000 mg/L Oncorhynchus mykiss 96 h	no data available	1000: 48 h Daphnia magna mg/L EC50	N/A
Petroleum distillates, hydrotreated light naphthenic (<3% DMSO extractable)	no data available	LC50 > 5000 mg/L Oncorhynchus mykiss 96 h	no data available	1000: 48 h Daphnia magna mg/L EC50	N/A
Propane	no data available	no data available	no data available	no data available	2.3
Petroleum distillates, solvent dewaxed heavy paraffinic (<3% DMSO extractable)	no data available	LC50 > 5000 mg/L Oncorhynchus mykiss 96 h	no data available	1000: 48 h Daphnia magna mg/L EC50	N/A
Butane	no data available	no data available	no data available	no data available	2.89
Methyl alcohol	no data available	LC50 13500 - 17600 mg/L Lepomis macrochirus 96 h LC50 18 - 20 mL/L Oncorhynchus mykiss 96 h LC50 19500 - 20700 mg/L Oncorhynchus mykiss 96 h LC50 = 28200 mg/L Pimephales promelas 96 h LC50 > 100 mg/L Pimephales promelas 96 h	EC50 = 39000 mg/L 25 min EC50 = 40000 mg/L 15 min EC50 = 43000 mg/L 5 min	no data available	-0.77

**Persistence and Degradability**  
**Bioaccumulation**  
**Mobility**

No information available.  
No information available.  
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**  
**Hazard Class** ORM-D  
**UN-No** UN1950

**ICAO**  
**UN-No** UN1950  
**Proper Shipping Name** Aerosols, flammable  
**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** 126  
**Shipping Description** UN1950, Aerosols, flammable, 2.1, LTD QTY

**IMDG/IMO**  
**Proper Shipping Name** Aerosols, flammable  
**Hazard Class** 2.1  
**UN-No** UN1950  
**EmS No.** F-A, S-A  
**Shipping Description** UN1950, Aerosols, flammable, 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 contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

Component	CAS-No	Weight %	SARA 313 - Threshold Values
Methyl alcohol	67-56-1	0.1-1	1.0

**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**

Component	Hazardous Substances RQs	CERCLA EHS RQs
Methyl alcohol	5000 lb	Not applicable

**U.S. State Regulations****California Proposition 65**

This product contains the following Proposition 65 chemicals

Component	CAS-No	California Prop. 65
Methyl alcohol	67-56-1	developmental toxicity

**16. OTHER INFORMATION**

<b>Prepared By</b>	Adrienne McKee
<b>Supersedes Date</b>	Not applicable
<b>Issuing Date</b>	02/06/2015
<b>Reason for Revision</b>	No information available.
<b>Glossary</b>	No information available.
<b>List of References.</b>	No information available.

**Partsmaster, 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.**