

# Safety Data Sheet PENTRA FOAM AEROSOL SAMPLE, NAC MM

Supersedes Date 05/03/2012

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## 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name** PENTRA FOAM AEROSOL SAMPLE, NAC MM  
**Recommended use** Lubricant  
**Information on Manufacturer**  
CERTIFIED LABS, DIV. OF NCH CORP.  
BOX 152170  
IRVING, TEXAS 75015

**Product Code** 5581  
**Chemical nature** Petroleum distillates  
**Emergency Telephone Number**  
CHEMTREC® 800-424-9300  
**Telephone inquiry**  
972-579-2477

## 2. HAZARD IDENTIFICATION

**Color** Amber

**Physical state** Liquid

**Odor** Petroleum distillates

### GHS

#### Classification

##### Physical Hazards

Flammable Aerosols  
Gases under pressure

Category 2  
Liquefied gas

##### Health Hazard

Carcinogenicity

Category 2

##### Other hazards

None

### Labeling

#### Signal Word

WARNING



#### Hazard statements

H223 - Flammable aerosol  
H351 - Suspected of causing cancer  
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  
P280 - Wear protective gloves, protective clothing and eye protection.  
P270 - Do not eat, drink or smoke when using this product.  
P308 + P313 - IF exposed or concerned, get medical attention  
P410 + P412 - Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F  
P403 - Store in a well-ventilated place  
P501 - Dispose of contents and container in accordance with applicable local regulations.

7 % of the mixture consists of ingredient(s) of unknown toxicity

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

Component	CAS No.	Weight % *
Petroleum distillates, solvent dewaxed heavy paraffinic (<3% DMSO extractable)	64742-65-0	30-60
Petroleum distillates, hydrotreated heavy paraffinic (<3% DMSO extractable)	64742-54-7	10-30
Residual oils (petroleum), solvent refined (<3% DMSO extractable)	64742-01-4	7-13
Residual oils (petroleum), solvent dewaxed (<3% DMSO extractable)	64742-62-7	7-13
Propane	74-98-6	5-10

Petroleum distillates, solvent dewaxed light paraffinic (<3% DMSO extractable)	64742-56-9	3-7
Butane	106-97-8	1-5
Chlorinated Paraffin	63449-39-8	1-5

\*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>	Rinse thoroughly with plenty of water, also under the eyelids. 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.
<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 if symptoms occur.
<b>Notes to physician</b>	Treat symptomatically.

#### 5. FIRE-FIGHTING MEASURES

<b>Flash Point</b> > 200 °F / > 93 °C	<b>Method</b> Seta closed cup	
<b>Flammability Limits in Air %:</b> Propellant.	<b>Upper:</b> 9.5	<b>Lower:</b> 1.9
<b>Suitable Extinguishing Media</b>		
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>		
Flammable. Solvent vapors are heavier than air and may spread along floors. Vapors may ignite and explode. Flame extension: >18 inches / >45 cm and Burnback: 0 inch / 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, NOHSC (approved or equivalent) and full protective gear.		
<b>Aerosol Level (NFPA 30B) -</b>	3	
<b>NFPA</b>	<b>Health</b> 1	<b>Flammability</b> 4
<b>HMIS</b>	<b>Health</b> 1	<b>Flammability</b> 4
		<b>Instability</b> 0
		<b>Instability</b> 0

#### 6. ACCIDENTAL RELEASE MEASURES

<b>Personal Precautions</b>	Material can create slippery conditions. Use personal protective equipment. Remove all sources of ignition. Ensure adequate ventilation. Take precautionary measures against static discharges.
<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.		
<b>Storage Temperature</b>	<b>Minimum</b>	35 °F / 2 °C	<b>Maximum</b>
<b>Storage Conditions</b>	<b>Indoor</b>	X	<b>Outdoor</b>
			<b>Heated</b>
			<b>Refrigerated</b>
			120 °F / 49 °C

#### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

##### Exposure Guidelines

Component	ACGIH TLV	OSHA PEL	NIOSH
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
Petroleum distillates, hydrotreated 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
Residual oils (petroleum), solvent refined (<3% DMSO extractable)	5 mg/m <sup>3</sup>	5 mg/m <sup>3</sup>	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 light 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>
<b>Engineering Measures</b>	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.		
<b>Personal Protective Equipment</b>			
<b>Eye/Face Protection</b>	Safety glasses with side-shields.		
<b>Skin Protection</b>	For prolonged or repeated contact, use protective gloves with appropriate chemical resistance.		
<b>Respiratory Protection</b>	In case of inadequate ventilation wear respiratory protection. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.		
<b>General Hygiene Considerations</b>	Ensure that eyewash stations and safety showers are close to the workstation location. Remove and wash contaminated clothing before re-use. Wear suitable gloves and eye/face protection.		

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical state</b>	Liquid	<b>Viscosity</b>	Slight viscous
<b>Color</b>	Amber	<b>Odor</b>	Petroleum distillates
<b>Odor Threshold</b>	Not applicable	<b>Appearance</b>	Hazy - Cloudy
<b>pH</b>	Not applicable	<b>Specific Gravity</b>	0.832
<b>Evaporation Rate</b>	18.81 (Butyl acetate=1)	<b>Percent Volatile (Volume)</b>	16.5
<b>VOC Content (%)</b>	10.0	<b>VOC Content (g/L)</b>	83.2
<b>Vapor Pressure</b>	1,719 mmHg @ 70°F	<b>Vapor Density</b>	1.4 (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>	> 200 °F / > 93 °C	<b>Method</b>	Seta closed cup
<b>Autoignition Temperature</b>	No information available.		
<b>Flammability Limits in Air %:</b>	Propellant	<b>Upper: 9.5 Lower: 1.9</b>	

## 10. STABILITY AND REACTIVITY

<b>Chemical Stability</b>	Stable under normal conditions.
<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, Molten alkali metals, Strong acids, Bases.
<b>Decomposition Temperature</b>	No data available
<b>Hazardous Decomposition Products</b>	Carbon oxides, Nitrogen oxides (NOx), Sulfur oxides, Aldehydes, Hydrogen chloride gas, Hydrogen fluoride, Fluorocarbons, Oxides of phosphorus.
<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** Inhalation, Skin contact, Eye contact.

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

**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** Contains a known or suspected carcinogen.

**Target Organ Effects** Central nervous system.

**Aggravated Medical Conditions** Respiratory disorders, Neurological disorders.

Component Information

**Acute Toxicity**

Component	Oral LD50	Dermal LD50	Inhalation LC50	Draize Test	Other
Petroleum distillates, solvent dewaxed heavy paraffinic (<3% DMSO extractable) 64742-65-0	>5000 mg/kg (rat)	>5000 mg/kg (rabbit)	no data available	no data available	no data available
Petroleum distillates, hydrotreated heavy paraffinic	> 5000 mg/kg (Rat)	> 5000 mg/kg (Rabbit)	no data available	no data available	no data available

(<3% DMSO extractable) 64742-54-7					
Residual oils (petroleum), solvent refined (<3% DMSO extractable) 64742-01-4	> 5000 mg/kg ( Rat )	> 2000 mg/kg ( Rabbit )	= 2.18 mg/L ( Rat ) 4 h	no data available	no data available
Residual oils (petroleum), solvent dewaxed (<3% DMSO extractable) 64742-62-7	> 5000 mg/kg ( Rat )	> 2000 mg/kg ( Rabbit )	= 2.18 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
Butane 106-97-8	no data available	no data available	= 658 g/m <sup>3</sup> ( Rat ) 4 h	no data available	no data available

Component	Mutagenicity	Sensitization	Developmental Toxicity	Reproductive Toxicity	Target Organ Effects
Propane 74-98-6	no data available	no data available	no data available	no data available	Central nervous system
Butane 106-97-8	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
Chlorinated Paraffin 63449-39-8	not applicable	Group 2B	not applicable	X	not applicable

## 12. ECOLOGICAL INFORMATION

Product Information No information available.

Component Information

Component	Toxicity to Algae	Toxicity to Fish	Microtox	Crustacea	log Pow
Petroleum distillates, solvent dewaxed heavy paraffinic (<3% DMSO extractable)	No information available.	LC50 > 5000 mg/L Oncorhynchus mykiss 96 h	No information available	1000: 48 h Daphnia magna mg/L EC50	N/A
Petroleum distillates, hydrotreated heavy paraffinic (<3% DMSO extractable)	No information available.	LC50 > 5000 mg/L Oncorhynchus mykiss 96 h	No information available	1000: 48 h Daphnia magna mg/L EC50	N/A
Residual oils (petroleum), solvent refined (<3% DMSO extractable)	No information available.	LC50 > 5000 mg/L Oncorhynchus mykiss 96 h	No information available	1000: 48 h Daphnia magna mg/L EC50	N/A
Residual oils (petroleum), solvent dewaxed (<3% DMSO extractable)	No information available.	LC50 > 5000 mg/L Oncorhynchus mykiss 96 h	No information available	1000: 48 h Daphnia magna mg/L EC50	N/A
Propane	No information available.	No information available.	No information available	No information available.	2.3
Petroleum distillates, solvent dewaxed light paraffinic (<3% DMSO extractable)	No information available.	LC50 > 5000 mg/L Oncorhynchus mykiss 96 h	No information available	1000: 48 h Daphnia magna mg/L EC50	N/A
Butane	No information available.	No information available.	No information available	No information available.	2.89
Chlorinated Paraffin	No information available.	LC50 > 300 mg/L Lepomis macrochirus 96 h LC50 > 0.0109 mg/L Oncorhynchus mykiss 96 h LC50 94.5 - 271 mg/L Oncorhynchus mykiss 96 h LC50 > 0.1 mg/L Lepomis macrochirus 96 h LC50 > 100 mg/L Pimephales promelas 96 h	No information available	No information available.	6.006

**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** AEROSOLS,2.1,UN1950,LTD QTY

**ICAO**  
**UN-No** UN1950  
**Proper Shipping Name** Aerosols  
**Hazard Class** 2.1  
**Shipping Description** Aerosols,UN1950,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  
**UN-No** UN1950  
**EmS No.** F-D, S-U  
**Description** UN1950, Aerosols,2,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** Samantha Purvis  
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**Glossary** No information available.  
**List of References.** No information available.

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