

# Safety Data Sheet: NC-123 PLUS AEROSOL

Supersedes Date 07/21/2010

Issuing Date 08/01/2013

## 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name** NC-123 PLUS AEROSOL  
**Recommended use** Lubricant Clear coating  
**Information on Manufacturer**  
CHEMSEARCH DIV. OF NCH CORP.  
BOX 152170  
IRVING, TX 75015

**Product Code** 5625  
**Chemical nature** Petroleum distillates  
**Emergency Telephone Number**

**Telephone inquiry**  
972-579-2477

## 2. HAZARD IDENTIFICATION

**Color** Amber

**Physical State** Liquid

**Odor** Solvent

### GHS

#### Classification

##### *Physical Hazards*

Flammable aerosols  
Gases under pressure

Category 2  
Compressed Gas

##### *Health Hazard*

Aspiration Toxicity  
Acute Dermal Toxicity  
Acute Inhalation Toxicity - Gas  
Acute Inhalation Toxicity - Dusts and Mists  
Skin Corrosion/Irritation  
Serious Eye Damage/Eye Irritation  
Specific target organ systemic toxicity (single exposure)  
Specific target organ systemic toxicity (repeated exposure)

Category 1  
Category 4  
Category 3  
Category 4  
Category 2  
Category 2B  
Category 3  
Category 2

##### *Other hazards*

None

#### Labeling

##### *Signal Word*

DANGER



#### *Hazard Statements*

H223 - Flammable aerosol  
H331 - Toxic if inhaled  
H336 - May cause drowsiness or dizziness  
H312 - Harmful in contact with skin  
H315 - Causes skin irritation  
H320 - Causes eye irritation  
H304 - May be fatal if swallowed and enters airways  
H373 - May cause damage to organs through prolonged or repeated exposure  
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  
P280 - Wear protective gloves, protective clothing and eye protection.  
P260 - Do not breathe vapor, mist or gas  
P271 - Use in a well-ventilated area.  
P270 - Do not eat, drink or smoke when using this product  
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 + 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 regulations.

25 % of the mixture consists of ingredient(s) of unknown toxicity

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

| Component                                     | CAS-No     | Weight % |
|---|------------|----------|
| Petroleum distillates, hydrotreated light     | 64742-47-8 | 10-30    |
| Solvent naphtha (petroleum), medium aliphatic | 64742-88-7 | 10-30    |
| Petroleum distillate                          | 8052-41-3  | 10-30    |
| Propane                                       | 74-98-6    | 7-13     |
| Mineral oil                                   | 8012-95-1  | 1-5      |
| Butane  | 106-97-8   | 1-5      |
| Nonane  | 111-84-2   | 1-5      |
| Barium sulfonate                              | 61790-48-5 | 1-5      |
| Paraffin wax                                  | 8002-74-2  | 1-5      |

### 4. FIRST AID MEASURES

**General advice**

Avoid contact with skin, eyes and clothing. Avoid breathing vapors, mist, or gas.

**Eye Contact**

Rinse thoroughly with plenty of water, also under the eyelids. 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.

**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**

Aspiration hazard if swallowed - can enter lungs and cause damage. May be fatal if swallowed and enters airways.

### 5. FIRE-FIGHTING MEASURES

**Flash Point** 106 °F / 41 °C

**Method** Seta closed cup

**Flammability Limits in Air % .**

**Upper** 9.5 **Lower** 0.8

**Suitable Extinguishing Media**

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

**Specific hazards arising from the chemical**

Extremely flammable. Solvent vapors are heavier than air and may spread along floors. Flame extension: 24 inches / 61 cm and Burnback: 4 inch / 10 cm.

**Protective Equipment and Precautions for Firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

**Aerosol Level (NFPA 30B) -** 3

**Flammability 4**

**Instability 0**

**NFPA**

**Health 2**

**Flammability 4**

**Instability 0**

**HMIS**

**Health 2**

**Flammability 4**

### 6. ACCIDENTAL RELEASE MEASURES

**Personal Precautions**

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.

**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. Take precautionary measures against static discharges. Avoid contact with skin, eyes and clothing. Avoid breathing vapors, mist or gas.

**Storage**

Keep away from heat and sources of ignition. Store in original container. Keep containers tightly closed in a dry, cool and well-ventilated place.

**Storage Temperature**

**Minimum** 35 °F / 2 °C

**Maximum**

120 °F / 49 °C

**Storage Conditions**

**Indoor** X **Outdoor**

**Heated**

**Refrigerated**

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Exposure Guidelines**

| Component                                     | ACGIH TLV                       | OSHA PEL                                  | NIOSH  |
|---|---------------------------------|---|--|
| Petroleum distillates, hydrotreated light     | 5 mg/m <sup>3</sup> as oil mist | 10 mg/m <sup>3</sup> as oil mist          | No data available  |
| Solvent naphtha (petroleum), medium aliphatic | No data available               | No data available                         | No data available  |
| Petroleum distillate                          | TWA: 100 ppm                    | TWA: 500 ppm TWA: 2900 mg/m <sup>3</sup>  | IDLH: 20000 mg/m <sup>3</sup><br>Ceiling: 1800 mg/m <sup>3</sup><br>TWA: 350 mg/m <sup>3</sup> |
| Propane                                       | TWA: 1000 ppm                   | TWA: 1000 ppm TWA: 1800 mg/m <sup>3</sup> | IDLH: 2100 ppm<br>TWA: 1000 ppm TWA: 1800 mg/m <sup>3</sup>                                    |
| Mineral oil                                   | TWA: 5 mg/m <sup>3</sup>        | TWA: 5 mg/m <sup>3</sup>                  | IDLH: 2500 mg/m <sup>3</sup><br>STEL 10 mg/m <sup>3</sup><br>TWA: 5 mg/m <sup>3</sup>          |
| Butane  | STEL: 1000 ppm                  | No data available                         | TWA: 800 ppm TWA: 1900 mg/m <sup>3</sup>   |
| Nonane  | TWA: 200 ppm                    | No data available                         | TWA: 200 ppm TWA: 1050 mg/m <sup>3</sup>   |
| Barium sulfonate                              | No data available               | No data available                         | No data available  |
| Paraffin wax                                  | TWA: 2 mg/m <sup>3</sup>        | No data available                         | TWA: 2 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 inadequate ventilation wear respiratory protection. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

**General Hygiene Considerations**

Wear protective gloves/clothing. 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

|                                     |                           |                                  |                   |
|-------------------------------------|---------------------------|----------------------------------|-------------------|
| <b>Physical State</b>               | Liquid                    | <b>Viscosity</b>                 | Non viscous       |
| <b>Color</b>                        | Amber                     | <b>Odor</b>                      | Solvent           |
| <b>Odor Threshold</b>               | Not applicable            | <b>Appearance</b>                | Transparent       |
| <b>pH</b>                           | Not applicable            | <b>Specific Gravity</b>          | 0.733             |
| <b>Evaporation Rate</b>             | 21.9 (Butyl acetate=1)    | <b>Percent Volatile (Volume)</b> | 94.4              |
| <b>VOC Content (%)</b>              | 93.8                      | <b>VOC Content (g/L)</b>         | 687               |
| <b>Vapor Pressure</b>               | 1257 mmHg @ 70°F          | <b>Vapor Density</b>             | 1.9 (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>                  | 106 °F / 41 °C            | <b>Method</b>                    | Seta closed cup   |
| <b>Autoignition Temperature</b>     | No information available. | <b>Upper 9.5 Lower 0.8</b>       |                   |
| <b>Flammability Limits in Air %</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

**Hazardous Decomposition Products**

Carbon oxides, Sulfur oxides.

**Possibility of Hazardous Reactions**

None under normal processing

## 11. TOXICOLOGICAL INFORMATION

**Product Information**

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 |

**Principle Route of Exposure** Eye contact, Skin contact, Inhalation.

**Primary Routes of Entry****Acute Effects**

|                         |  |
|-------------------------|--|
| Eyes                    | Causes eye irritation.   |
| Skin                    | Causes skin irritation.  |
| Inhalation              | Causes respiratory tract irritation. 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               | Harmful if swallowed. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. May cause central nervous system depression with nausea, headache, dizziness, vomiting, and incoordination. May be fatal if swallowed and enters airways.            |
| <b>Chronic Toxicity</b> | Prolonged or repeated inhalation may cause damage to the lungs. Prolonged skin contact may defat the skin and produce dermatitis. Liver and kidney injuries may occur.   |

**Target Organ Effects****Aggravated Medical Conditions**

## Component Information

**Acute Toxicity**

| Component                                     | LD50 Oral            | LD50 Dermal             | LC50 Inhalation                    | Draize Test       | Other             |
|---|----------------------|-------------------------|------------------------------------|-------------------|-------------------|
| Petroleum distillates, hydrotreated light     | > 5000 mg/kg ( Rat ) | > 2000 mg/kg ( Rabbit ) | > 5.2 mg/L ( Rat ) 4 h             | no data available | no data available |
| Solvent naphtha (petroleum), medium aliphatic | > 5000 mg/kg ( Rat ) | = 3000 mg/kg ( Rabbit ) | > 5.28 mg/L ( Rat ) 4 h            | no data available | no data available |
| Petroleum distillate                          | no data available    | no data available       | 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 |
| Mineral oil                                   | no data available    | no data available       | = 2062 ppm ( Rat ) 4 h             | 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 |
| Nonane  | no data available    | no data available       | = 3200 ppm ( Rat ) 4 h             | no data available | no data available |
| Barium sulfonate                              | no data available    | no data available       | no data available                  | no data available | no data available |
| Paraffin wax                                  | > 3750 mg/kg ( Rat ) | > 3600 mg/kg ( Rabbit ) | no data available                  | no data available | no data available |

**Chronic Toxicity**

| Component                                     | Mutagenicity      | Sensitization     | Developmental Toxicity | Reproductive Toxicity | Target Organ Effects                     |
|---|-------------------|-------------------|------------------------|-----------------------|--|
| Petroleum distillates, hydrotreated light     | no data available | no data available | no data available      | no data available     | respiratory system, liver, kidney, CNS   |
| Solvent naphtha (petroleum), medium aliphatic | no data available | no data available | no data available      | no data available     | CNS, liver, kidneys                      |
| Petroleum distillate                          | no data available | no data available | no data available      | no data available     | eyes,CNS,respiratory system,skin,kidneys |
| Propane                                       | no data available | no data available | no data available      | no data available     | CNS, heart                               |
| Mineral oil                                   | no data available | no data available | no data available      | no data available     | eyes, respiratory system, skin           |
| Butane  | no data available | no data available | no data available      | no data available     | CNS, heart                               |
| Nonane  | no data available | no data available | no data available      | no data available     | eyes,CNS,respiratory system,skin         |
| Barium sulfonate                              | no data available | no data available | no data available      | no data available     | no data available                        |
| Paraffin wax                                  | no data available | no data available | no data available      | no data available     | eyes, respiratory system, skin           |

**Carcinogenicity**

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

| Component                                     | ACGIH          | IARC           | NTP            | OSHA           | Other          |
|---|----------------|----------------|----------------|----------------|----------------|
| Petroleum distillates, hydrotreated light     | not applicable |
| Solvent naphtha (petroleum), medium aliphatic | not applicable |
| Petroleum distillate                          | not applicable |
| Propane                                       | not applicable |
| Mineral oil                                   | not applicable |
| Butane  | not applicable |
| Nonane  | not applicable |
| Barium sulfonate                              | not applicable |
| Paraffin wax                                  | not applicable |

**12. ECOLOGICAL INFORMATION**

## Product Information

No information available.

## Component Information

| Component                                 | Toxicity to Algae | Toxicity to Fish   | Microtox          | Water Flea           | log Pow |
|---|-------------------|--|-------------------|----------------------|---------|
| Petroleum distillates, hydrotreated light | no data available | LC50 = 45 mg/L Pimephales promelas 96 h<br>LC50 = 2.2 mg/L Lepomis | no data available | LC50= 4720 mg/L 96 h | N/A     |

|   |   |   |                   |                     |      |
|---|---|---|-------------------|---------------------|------|
|   |   | macrochirus 96 h<br>LC50 = 2.4 mg/L <i>Oncorhynchus mykiss</i> 96 h |                   |                     |      |
| Solvent naphtha (petroleum), medium aliphatic | EC50 = 450 mg/L <i>Pseudokirchneriella subcapitata</i> 96 h | LC50 = 800 mg/L <i>Pimephales promelas</i> 96 h                     | no data available | EC50> 100 mg/L 48 h | N/A  |
| Petroleum distillate                          | no data available   | no data available   | no data available | no data available   | N/A  |
| Propane                                       | no data available   | no data available   | no data available | no data available   | 2.3  |
| Mineral oil                                   | no data available   | no data available   | no data available | no data available   | N/A  |
| Butane  | no data available   | no data available   | no data available | no data available   | 2.89 |
| Nonane  | no data available   | no data available   | no data available | no data available   | N/A  |
| Barium sulfonate                              | no data available   | no data available   | no data available | no data available   | N/A  |
| Paraffin wax                                  | no data available   | no data available   | no data available | no data available   | 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**

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**

|                             |                            |
|-----------------------------|----------------------------|
| <b>Proper Shipping Name</b> | Consumer commodity         |
| <b>Hazard Class</b>         | ORM-D                      |
| <b>Description</b>          | Consumer commodity ,ORM-D, |

**TDG**

|                     |        |
|---------------------|--------|
| <b>Hazard Class</b> | 2.1    |
| <b>UN-No</b>        | UN1950 |

**ICAO**

|                             |                           |
|-----------------------------|---------------------------|
| <b>UN-No</b>                | UN1950                    |
| <b>Proper Shipping Name</b> | Aerosols                  |
| <b>Hazard Class</b>         | 2.1                       |
| <b>Shipping Description</b> | Aerosols,UN1950 LTD. QTY. |

**IATA**

|                             |  |
|-----------------------------|--|
| <b>UN-No</b>                | UN1950                                   |
| <b>Proper Shipping Name</b> | Aerosols, flammable                      |
| <b>Hazard Class</b>         | 2.1                                      |
| <b>ERG Code</b>             | 10L                                      |
| <b>Shipping Description</b> | UN1950,Aerosols, flammable,2.1 LTD. QTY. |

**IMDG/IMO**

|                             |   |
|-----------------------------|---|
| <b>Proper Shipping Name</b> | Aerosols                                |
| <b>Hazard Class</b>         | 2.1                                     |
| <b>UN-No</b>                | UN1950                                  |
| <b>EmS No.</b>              | F-D, S-U                                |
| <b>Shipping Description</b> | UN1950, Aerosols,2.1 LIMITED QUANTITIES |

**15. REGULATORY INFORMATION****Inventories**

|             |          |
|-------------|----------|
| <b>TSCA</b> | Complies |
| <b>DSL</b>  | 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

| <b>Component</b> | <b>CAS-No</b> | <b>Weight %</b> | <b>SARA 313 - Threshold Values</b> |
|------------------|---------------|-----------------|------------------------------------|
| Barium sulfonate | 61790-48-5    | 1-5             | 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                    |
| <b>CERCLA</b>                                 |                       |                                 |                                   |                       |
| <b>Component</b>                              |                       | <b>Hazardous Substances RQs</b> |                                   | <b>CERCLA EHS RQs</b> |
| Petroleum distillates, hydrotreated light     |                       | Not applicable                  |                                   | Not applicable        |
| Solvent naphtha (petroleum), medium aliphatic |                       | Not applicable                  |                                   | Not applicable        |
| Petroleum distillate                          |                       | Not applicable                  |                                   | Not applicable        |
| Propane                                       |                       | Not applicable                  |                                   | Not applicable        |
| Mineral oil                                   |                       | Not applicable                  |                                   | Not applicable        |
| Butane  |                       | Not applicable                  |                                   | Not applicable        |
| Nonane  |                       | Not applicable                  |                                   | Not applicable        |
| Barium sulfonate                              |                       | Not applicable                  |                                   | Not applicable        |
| Paraffin wax                                  |                       | Not applicable                  |                                   | Not applicable        |

#### 16. OTHER INFORMATION

|                            |                           |
|----------------------------|---------------------------|
| <b>Prepared By</b>         | Angela Hutson             |
| <b>Supercedes Date</b>     | 07/21/2010                |
| <b>Issuing Date</b>        | 08/01/2013                |
| <b>Reason for Revision</b> | No information available. |
| <b>Glossary</b>            | No information available. |
| <b>List of References.</b> | No information available. |

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