

# Safety Data Sheet: KOOL-SPRAY HD AEROSOL, MM

Supersedes Date 11/16/2010

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## 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name** KOOL-SPRAY HD AEROSOL, MM  
**Recommended use** Lubricant  
**Information on Manufacturer**  
CHEMSEARCH DIV. OF NCH CORP.  
BOX 152170  
IRVING, TX 75015

**Product Code** 5319  
**Chemical nature** Hydrocarbons mixture  
**Emergency Telephone Number**  
  
**Telephone inquiry**  
972-579-2477

## 2. HAZARD IDENTIFICATION

**Color** Red

**Physical State** Liquid

**Odor** Cherry

### GHS

#### Classification

##### Physical Hazards

Gases under pressure

Compressed Gas

##### Health Hazard

Aspiration Toxicity

Acute Inhalation Toxicity - Gas

Serious Eye Damage/Eye Irritation

Specific target organ systemic toxicity (single exposure)

Specific target organ systemic toxicity (repeated exposure)

Category 1

Category 3

Category 2B

Category 3

Category 2

##### Other hazards

None

### Labeling

#### Signal Word

**DANGER**



#### Hazard Statements

H331 - Toxic if inhaled

H336 - May cause drowsiness or dizziness

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

P260 - Do not breathe gas or mist

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.

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

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

39 % of the mixture consists of ingredient(s) of unknown toxicity

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

| Component   | CAS-No     | Weight % |
|---|------------|----------|
| Petroleum distillates, hydrotreated heavy naphthenic (<3% DMSO extractable) | 64742-52-5 | 10-30    |
| Petroleum distillates, hydrotreated light naphthenic (<3% DMSO extractable) | 64742-53-6 | 10-30    |
| Petroleum distillates, hydrotreated heavy paraffinic (<3% DMSO extractable) | 64742-54-7 | 10-30    |

|  |            |       |
|--|------------|-------|
| Petroleum distillates, solvent dewaxed heavy paraffinic (<3% DMSO extractable) | 64742-65-0 | 10-30 |
| Chlorinated paraffin (C14-17)  | 85535-85-9 | 7-13  |
| Propane  | 74-98-6    | 5-10  |
| Butane   | 106-97-8   | 1-5   |

#### 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 immediately. Never give anything by mouth to an unconscious person. |
| <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>   | 425 °F / 218 °C | <b>Method</b>       | Seta closed cup |
| <b>Flammability Limits in Air % Mixture.</b>   |                 | <b>Upper</b>        | 9.5             |
| <b>Suitable Extinguishing Media</b>  |                 | <b>Lower</b>        | 0.9             |
| Water spray. Carbon dioxide (CO2). 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. Material can create slippery conditions. Flame extension: 0 inches / 0 cm and Burnback: 0 inch / 0 cm. |                 |                     |                 |
| <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> 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>      | Wear protective gloves/clothing. 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>   | Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust)   |
| <b>Neutralizing Agent</b>        | Not applicable.   |

#### 7. HANDLING AND STORAGE

|                            |  |              |                |                                   |
|----------------------------|--|--------------|----------------|-----------------------------------|
| <b>Handling</b>            | Avoid breathing vapors, mist or gas. Avoid contact with skin, eyes and clothing. |              |                |                                   |
| <b>Storage</b>             | Keep away from open flames, hot surfaces and sources of ignition.                |              |                |                                   |
| <b>Storage Temperature</b> | <b>Minimum</b>   | 40 °F / 4 °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   |
|--|--|----------------------------------|---|
| 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>         | IDLH: 2,500 mg/m <sup>3</sup> ; STEL 10 mg/m <sup>3</sup> ; TWA: 5 mg/m <sup>3</sup>  |
| 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   |
| Petroleum distillates, hydrotreated heavy paraffinic (<3% DMSO extractable)    | TWA: 5 mg/m <sup>3</sup><br>STEL: 10 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> |
| 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   |

|                               |                   |  |  |
|-------------------------------|-------------------|--|--|
| Chlorinated paraffin (C14-17) | No data available | No data available                            | No data available  |
| Propane                       | TWA: 1000 ppm     | TWA: 1000 ppm<br>TWA: 1800 mg/m <sup>3</sup> | IDLH: 2100 ppm<br>TWA: 1000 ppm<br>TWA: 1800 mg/m <sup>3</sup> |
| Butane                        | STEL: 1000 ppm    | No data available                            | TWA: 800 ppm<br>TWA: 1900 mg/m <sup>3</sup>                    |

|                                       |   |
|---------------------------------------|---|
| <b>Engineering Measures</b>           | Use with local exhaust ventilation. Ensure adequate ventilation, especially in confined areas.  |
| <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 insufficient ventilation wear suitable respiratory equipment. 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.   |

## 9. PHYSICAL AND CHEMICAL PROPERTIES

|                                     |                           |                                  |                    |
|-------------------------------------|---------------------------|----------------------------------|--------------------|
| <b>Physical State</b>               | Liquid                    | <b>Viscosity</b>                 | Slightly Viscous   |
| <b>Color</b>                        | Red                       | <b>Odor</b>                      | Cherry             |
| <b>Odor Threshold</b>               | Not applicable            | <b>Appearance</b>                | Transparent - Hazy |
| <b>pH</b>                           | Not applicable            | <b>Specific Gravity</b>          | 0.850              |
| <b>Evaporation Rate</b>             | 24.8 (Butyl acetate=1)    | <b>Percent Volatile (Volume)</b> | 22.9               |
| <b>VOC Content (%)</b>              | 10.3                      | <b>VOC Content (g/L)</b>         | 88                 |
| <b>Vapor Pressure</b>               | 1914 mmHg @ 70°F          | <b>Vapor Density</b>             | 1.7 (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>          | 335 °F / 168 °C           | <b>Flammability (solid, gas)</b> | No data available  |
| <b>Flash Point</b>                  | 425 °F / 218 °C           | <b>Method</b>                    | Seta closed cup    |
| <b>Autoignition Temperature</b>     | No information available. |                                  |                    |
| <b>Flammability Limits in Air %</b> | Mixture.                  | <b>Upper 9.5 Lower 0.9</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.                         |
| <b>Hazardous Decomposition Products</b>   | Carbon oxides, Chlorine gas, Aldehydes.                           |
| <b>Possibility of Hazardous Reactions</b> | 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 |

|                                    |  |
|------------------------------------|--|
| <b>Principle Route of Exposure</b> | Inhalation, Skin contact, Eye contact. |
| <b>Primary Routes of Entry</b>     | Inhalation                             |

### Acute Effects

|                   |  |
|-------------------|--|
| <b>Eyes</b>       | May cause eye irritation.  |
| <b>Skin</b>       | May cause skin irritation.   |
| <b>Inhalation</b> | May cause irritation of respiratory tract. 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 irritation to mucous membranes. 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. Prolonged or repeated inhalation may cause damage to the lungs.

**Target Organ Effects** Central nervous system, Respiratory system, Heart.

**Aggravated Medical Conditions** Respiratory disorders, Skin disorders, Neurological disorders, Heart disease.

### Component Information

#### Acute Toxicity

| Component | LD50 Oral | LD50 Dermal | LC50 Inhalation | Draize Test | Other |
|-----------|-----------|-------------|-----------------|-------------|-------|
|-----------|-----------|-------------|-----------------|-------------|-------|

|  |                      |                         |                                    |                   |                   |
|--|----------------------|-------------------------|------------------------------------|-------------------|-------------------|
| 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 |
| Petroleum distillates, hydrotreated light naphthenic (<3% DMSO extractable)    | no data available    | no data available       | no data available                  | no data available | no data available |
| Petroleum distillates, hydrotreated heavy paraffinic (<3% DMSO extractable)    | > 5000 mg/kg (Rat)   | > 5000 mg/kg (Rabbit)   | no data available                  | no data available | no data available |
| Petroleum distillates, solvent dewaxed heavy paraffinic (<3% DMSO extractable) | no data available    | no data available       | no data available                  | no data available | no data available |
| Chlorinated paraffin (C14-17)  | = 2000 mg/kg ( Rat ) | 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 |
| Butane   | no data available    | no data available       | = 658 g/m <sup>3</sup> ( Rat ) 4 h | no data available | no data available |

**Chronic Toxicity**

| Component  | Mutagenicity      | Sensitization     | Developmental Toxicity | Reproductive Toxicity | Target Organ Effects |
|--|-------------------|-------------------|------------------------|-----------------------|----------------------|
| Petroleum distillates, hydrotreated heavy naphthenic (<3% DMSO extractable)    | no data available | no data available | no data available      | no data available     | respiratory system   |
| Petroleum distillates, hydrotreated light naphthenic (<3% DMSO extractable)    | no data available | no data available | no data available      | no data available     | respiratory system   |
| Petroleum distillates, hydrotreated heavy paraffinic (<3% DMSO extractable)    | no data available | no data available | no data available      | no data available     | respiratory system   |
| Petroleum distillates, solvent dewaxed heavy paraffinic (<3% DMSO extractable) | no data available | no data available | no data available      | no data available     | lungs                |
| Chlorinated paraffin (C14-17)  | no data available | no data available | no data available      | no data available     | no data available    |
| 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           |

**Carcinogenicity**

| Component  | ACGIH          | IARC           | NTP            | OSHA           | Other          |
|--|----------------|----------------|----------------|----------------|----------------|
| Petroleum distillates, hydrotreated heavy naphthenic (<3% DMSO extractable)    | not applicable | not applicable | not applicable | not applicable | not applicable |
| Petroleum distillates, hydrotreated light naphthenic (<3% DMSO extractable)    | not applicable | not applicable | not applicable | not applicable | not applicable |
| Petroleum distillates, hydrotreated heavy paraffinic (<3% DMSO extractable)    | not applicable | not applicable | not applicable | not applicable | not applicable |
| Petroleum distillates, solvent dewaxed heavy paraffinic (<3% DMSO extractable) | not applicable | not applicable | not applicable | not applicable | not applicable |
| Chlorinated paraffin (C14-17)  | not applicable | not applicable | not applicable | not applicable | not applicable |
| Propane  | not applicable | not applicable | not applicable | not applicable | not applicable |
| Butane   | not applicable | not applicable | not applicable | not applicable | 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 heavy naphthenic (<3% DMSO extractable)    | no data available | LC50 > 5000 mg/L Oncorhynchus mykiss 96 h | no data available | EC50> 1000 mg/L 48 h | N/A       |
| Petroleum distillates, hydrotreated light naphthenic (<3% DMSO extractable)    | no data available | LC50 > 5000 mg/L Oncorhynchus mykiss 96 h | no data available | EC50> 1000 mg/L 48 h | N/A       |
| Petroleum distillates, hydrotreated heavy paraffinic (<3% DMSO extractable)    | no data available | LC50 > 5000 mg/L Oncorhynchus mykiss 96 h | no data available | EC50> 1000 mg/L 48 h | N/A       |
| Petroleum distillates, solvent dewaxed heavy paraffinic (<3% DMSO extractable) | no data available | LC50 > 5000 mg/L Oncorhynchus mykiss 96 h | no data available | EC50> 1000 mg/L 48 h | N/A       |
| Chlorinated paraffin (C14-17)  | no data available | LC50 > 500 mg/L Leuciscus idus 48 h       | no data available | no data available    | 5.5 - 6.0 |

|         |                   |                   |                   |                   |      |
|---------|-------------------|-------------------|-------------------|-------------------|------|
| Propane | no data available | no data available | no data available | no data available | 2.3  |
| Butane  | no data available | no data available | no data available | no data available | 2.89 |

**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** 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** 2.2  
**UN-No** UN1950

**ICAO**  
**UN-No** UN1950  
**Proper Shipping Name** Aerosols  
**Hazard Class** 2.2  
**Shipping Description** UN1950, Aerosols, Non-Flammable, 2.2, LTD QTY

**IATA**  
**UN-No** UN1950  
**Proper Shipping Name** Aerosols, flammable  
**Hazard Class** 2.2  
**ERG Code** 10L  
**Shipping Description** UN1950, Aerosols, non-flammable, 2.2, LTD QTY

**IMDG/IMO**  
**Proper Shipping Name** Aerosols  
**Hazard Class** 2.2  
**UN-No** UN1950  
**EmS No.** F-D, S-U  
**Shipping Description** UN1950, Aerosols, 2.2, 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                   | No          | Yes                               | No              |

#### CERCLA

| Component  | Hazardous Substances RQs | CERCLA EHS RQs |
|--|--------------------------|----------------|
| Petroleum distillates, hydrotreated heavy naphthenic (<3% DMSO extractable)    | Not applicable           | Not applicable |
| Petroleum distillates, hydrotreated light naphthenic (<3% DMSO extractable)    | Not applicable           | Not applicable |
| Petroleum distillates, hydrotreated heavy paraffinic (<3% DMSO extractable)    | Not applicable           | Not applicable |
| Petroleum distillates, solvent dewaxed heavy paraffinic (<3% DMSO extractable) | Not applicable           | Not applicable |
| Chlorinated paraffin (C14-17)  | Not applicable           | Not applicable |

|         |                |                |
|---------|----------------|----------------|
| Propane | Not applicable | Not applicable |
| Butane  | Not applicable | Not applicable |

**16. OTHER INFORMATION**

**Prepared By** Angela Hutson  
**Supersedes Date** 11/16/2010  
**Issuing Date** 09/27/2013  
**Reason for Revision** No information available.  
**Glossary** No information available.  
**List of References.** No information available.

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