Material Safety Data Sheet: KOOL-SPRA AEROSOL

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name KOOL-SPRA AEROSOL
Recommended use Lubricant

Information on Manufacturer
CERTIFIED LABS, DIV. OF NCH CORP.
BOX 152170
IRVING, TEXAS 75015

2. HAZARDS IDENTIFICATION

Emergency Overview
DANGER
Extremely flammable
May be harmful if inhaled
May cause skin irritation
May cause eye irritation
May be harmful if swallowed
Contents under pressure

Color Yellow - amber
Physical State Liquid
Odor Pleasant

Potential Health Effects
Principle Route of Exposure Inhalation, Skin contact, Eye contact.
Primary Routes of Entry Inhalation
Acute Effects
Eyes May cause eye irritation.
Skin May cause skin irritation.
Inhalation May cause irritation of respiratory tract. Inhalation 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 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 or repeated inhalation may cause damage to the lungs. Prolonged skin contact may defat the skin and produce dermatitis.
Target Organ Effects Central nervous system, Respiratory system.
Aggravated Medical Conditions Neurological disorders, Skin disorders, Respiratory disorders.
Potential Environmental Effects See Section 12 for additional Ecological information.

3. COMPOSITION / INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS-No</th>
</tr>
</thead>
<tbody>
<tr>
<td>Petroleum distillates, hydrotreated heavy naphthenic (&lt;3% DMSO extractable)</td>
<td>64742-52-5</td>
</tr>
<tr>
<td>Propane</td>
<td>74-98-6</td>
</tr>
<tr>
<td>Butane</td>
<td>106-97-8</td>
</tr>
</tbody>
</table>

4. FIRST AID MEASURES

General Advice Avoid breathing vapors or mists. Avoid contact with skin, eyes and clothing.
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 Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Flash Point > 201 °F / > 94 °C
Autoignition Temperature No information available.
Flammability Limits in Air % Mixture.
Suitable Extinguishing Media Water spray. Carbon dioxide (CO2). Foam. Dry chemical. 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. Vapors may ignite and explode. Material can create slippery conditions. Flame extension: 24 inches / 61 cm and Burnback: 6 inches / 15 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 308) - 3
NFPA Health 1 Flammability 4 Instability 0
HMIS Health 1 Flammability 4 Instability 0

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

Storage
Keep away from heat and sources of ignition. Store in original container. Keep 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

<table>
<thead>
<tr>
<th>Component</th>
<th>ACGIH TLV</th>
<th>OSHA PEL</th>
<th>NIOSH</th>
</tr>
</thead>
<tbody>
<tr>
<td>Petroleum distillates, hydrotreated heavy naphthenic (&lt;3% DMSO extractable)</td>
<td>TWA: 5 mg/m³, STEL: 10 mg/m²</td>
<td>TWA: 5 mg/m³</td>
<td>IDLH: 2,500 mg/m³, STEL: 10 mg/m², TWA: 5 mg/m³</td>
</tr>
<tr>
<td>Propane</td>
<td>TWA: 1000 ppm</td>
<td>TWA: 1000 ppm TWA: 1800 mg/m³</td>
<td>IDLH: 2100 ppm</td>
</tr>
<tr>
<td>Butane</td>
<td>TWA: 1000 ppm</td>
<td>No data available</td>
<td>TWA: 800 ppm TWA: 1900 mg/m³</td>
</tr>
</tbody>
</table>

Engineering Measures
Use with local exhaust ventilation. Ensure adequate ventilation, especially in confined areas.

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
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

Physical State
Liquid

Color
Yellow - amber

Appearance
Transparent

Specific Gravity
0.835

Percent Volatile (Volume)
16.8

VOC Content (g/L)
93

Boiling Point/Range
465 °F / 241 °C

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, Aldehydes, Ketones.

Possibility of Hazardous Reactions
None under normal processing

11. TOXICOLOGICAL INFORMATION

Product Information
No information available.

Component Information

Acute Toxicity

<table>
<thead>
<tr>
<th>Component</th>
<th>LD50 Oral</th>
<th>LD50 Dermal</th>
<th>LC50 Inhalation</th>
<th>Dermal Test</th>
<th>Other</th>
</tr>
</thead>
<tbody>
<tr>
<td>Petroleum distillates, hydrotreated heavy naphthenic (&lt;3% DMSO extractable)</td>
<td>&gt; 5000 mg/kg ( Rat )</td>
<td>&gt; 5000 mg/kg ( Rabbit )</td>
<td>&gt; 5 ml/g ( Rat ) 4 h</td>
<td>no data available</td>
<td>no data available</td>
</tr>
<tr>
<td>Propane</td>
<td>no data available</td>
<td>no data available</td>
<td>&lt; 65 mg/L ( Rat ) 4 h</td>
<td>no data available</td>
<td>no data available</td>
</tr>
<tr>
<td>Butane</td>
<td>no data available</td>
<td>no data available</td>
<td>&lt; 65 mg/L ( Rat ) 4 h</td>
<td>no data available</td>
<td>no data available</td>
</tr>
</tbody>
</table>

Chronic Toxicity

<table>
<thead>
<tr>
<th>Component</th>
<th>Mutagenicity</th>
<th>Sensitization</th>
<th>Developmental Toxicity</th>
<th>Reproductive Toxicity</th>
<th>Target Organ Effects</th>
</tr>
</thead>
<tbody>
<tr>
<td>Petroleum distillates, hydrotreated heavy naphthenic (&lt;3% DMSO extractable)</td>
<td>no data available</td>
<td>no data available</td>
<td>no data available</td>
<td>no data available</td>
<td>CNS</td>
</tr>
<tr>
<td>Propane</td>
<td>no data available</td>
<td>no data available</td>
<td>no data available</td>
<td>no data available</td>
<td>CNS</td>
</tr>
<tr>
<td>Butane</td>
<td>no data available</td>
<td>no data available</td>
<td>no data available</td>
<td>no data available</td>
<td>CNS</td>
</tr>
</tbody>
</table>

Carcinogenicity

<table>
<thead>
<tr>
<th>Component</th>
<th>ACGIH</th>
<th>IARC</th>
<th>NTP</th>
<th>OSHA</th>
<th>Other</th>
</tr>
</thead>
<tbody>
<tr>
<td>Petroleum distillates, hydrotreated heavy naphthenic (&lt;3% DMSO extractable)</td>
<td>not applicable</td>
<td>not applicable</td>
<td>not applicable</td>
<td>not applicable</td>
<td>not applicable</td>
</tr>
<tr>
<td>Propane</td>
<td>not applicable</td>
<td>not applicable</td>
<td>not applicable</td>
<td>not applicable</td>
<td>not applicable</td>
</tr>
<tr>
<td>Butane</td>
<td>not applicable</td>
<td>not applicable</td>
<td>not applicable</td>
<td>not applicable</td>
<td>not applicable</td>
</tr>
</tbody>
</table>

12. ECOLOGICAL INFORMATION

Product Information
No information available.

Component Information

Toxicity to Algae

<table>
<thead>
<tr>
<th>Component</th>
<th>Toxicity to Algae</th>
<th>Toxicity to Fish</th>
<th>Microtox</th>
<th>Water Flea</th>
<th>log Pow</th>
</tr>
</thead>
<tbody>
<tr>
<td>Petroleum distillates, hydrotreated heavy naphthenic (&lt;3% DMSO extractable)</td>
<td>no data available</td>
<td>LC50 &gt; 5000 mg/L Oncorhynchus mykiss 96 h</td>
<td>no data available</td>
<td>EC50&lt; 1000 mg/L 48 h</td>
<td>N/A</td>
</tr>
<tr>
<td>Propane</td>
<td>no data available</td>
<td>no data available</td>
<td>no data available</td>
<td>no data available</td>
<td>2.3</td>
</tr>
<tr>
<td>Butane</td>
<td>no data available</td>
<td>no data available</td>
<td>no data available</td>
<td>no data available</td>
<td>2.49</td>
</tr>
</tbody>
</table>

Persistence and Degradability
No information available.

Bioaccumulation
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
Description: UN1950, Aerosols, Flammable 2.1 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: 2.1
UN-No: UN1950
EmS No.: F-D, S-U
Shipping 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 40n of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazardous Categorization

<table>
<thead>
<tr>
<th>Acute Health Hazard</th>
<th>Chronic Health Hazard</th>
<th>Fire Hazard</th>
<th>Sudden Release of Pressure Hazard</th>
<th>Reactive Hazard</th>
</tr>
</thead>
<tbody>
<tr>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>No</td>
</tr>
</tbody>
</table>

CERCLA

<table>
<thead>
<tr>
<th>Component</th>
<th>Hazardous Substances RQs</th>
<th>CERCLA EHS RQs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Petroleum distillates, hydrotreated heavy naphthenic (&lt;3% DMSO extractable)</td>
<td>Not applicable</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Propane</td>
<td>Not applicable</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Butane</td>
<td>Not applicable</td>
<td>Not applicable</td>
</tr>
</tbody>
</table>

Canada

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

WHMIS Hazard Class
A Compressed gases, B5 Flammable aerosol, D2B Toxic materials.

16. OTHER INFORMATION

Prepared By: Rachael Mohochi
Supercedes Date: 05/26/2009
Issuing Date: 12/12/2011
Reason for Revision: No information available.
CERTIFIED LABS, 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 MSDS 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.