Safety Data Sheet

Airosol COMPANY, INC.

Issue Date: 7/27/2009  Revision: 5/19/2015

1. IDENTIFICATION

Product Identifier
Product Name: McKay Sure Start Engine Starting Fluid

Other means of identification
Product Code: 51209
UN/ID No: UN1950

Recommended use of the chemical and restrictions on use
Recommended Use: Engine starting fluid

Details of the supplier of the safety data sheet
Supplier Address:
Airosol Company, Inc.
1206 Illinois St.
Neodesha, KS 66757

Emergency Telephone Number
Company Phone Number: 620-325-2666
Emergency Telephone (24 hr): INFOTRAC 1-352-323-3500 (International)
1-800-535-5053 (North America)

2. HAZARDS IDENTIFICATION

Appearance: Colorless liquid  Physical State: Aerosol  Odor: Aromatic/ketone-like

Classification

<table>
<thead>
<tr>
<th>Aspect</th>
<th>Category</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute toxicity - Oral</td>
<td>Category 4</td>
</tr>
<tr>
<td>Skin corrosion/irritation</td>
<td>Category 2</td>
</tr>
<tr>
<td>Specific target organ toxicity (single exposure)</td>
<td>Category 3</td>
</tr>
<tr>
<td>Aspiration toxicity</td>
<td>Category 1</td>
</tr>
<tr>
<td>Flammable Aerosols</td>
<td>Category 1</td>
</tr>
</tbody>
</table>

Signal Word

Danger
Hazard Statements
Harmful if swallowed
Harmful in contact with skin
Harmful if inhaled
Causes skin irritation
May be fatal if swallowed and enters airways
May cause drowsiness and dizziness.
Extremely flammable aerosol
Repeated exposure may cause skin dryness or cracking

Precautionary Statements - Prevention
Obtain special instructions before use
Do not handle until all safety precautions have been read and understood
Use personal protective equipment as required
Wash face, hands and any exposed skin thoroughly after handling
Do not eat, drink or smoke when using this product
Use only outdoors or in a well-ventilated area
Wear eye/face protection
Do not breathe dust/fume/gas/mist/vapors/spray
Keep away from heat/sparks/open flames/hot surfaces. — No smoking
Do not spray on an open flame or other ignition source
Pressurized container: Do not pierce or burn, even after use

Precautionary Statements - Response
If exposed or concerned: Get medical advice/attention
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
If eye irritation persists: Get medical advice/attention
IF ON SKIN: Wash with plenty of soap and water
If skin irritation occurs: Get medical advice/attention
Take off contaminated clothing and wash it before reuse
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
Call a poison center or doctor/physician if you feel unwell
IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician
Do not induce vomiting
Rinse mouth

Precautionary Statements - Storage
Store locked up
Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F

Precautionary Statements - Disposal
Dispose of contents/container to an approved waste disposal plant

3. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS No</th>
<th>Weight-%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Heptane (Hydrotreated Light Petroleum Naphtha)</td>
<td>64742-49-0</td>
<td>75-80</td>
</tr>
<tr>
<td>Di Ethyl Ether</td>
<td>61-50-8</td>
<td>15-20</td>
</tr>
<tr>
<td>Carbon dioxide</td>
<td>124-38-9</td>
<td>3-5</td>
</tr>
</tbody>
</table>
4. FIRST-AID MEASURES

**First Aid Measures**

**Eye Contact**
Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If eye irritation persists: Get medical advice/attention.

**Skin Contact**
Wash off immediately with soap and plenty of water. Take off contaminated clothing. Wash contaminated clothing before reuse. Get medical attention if irritation occurs.

**Inhalation**
Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician if you feel unwell.

**Ingestion**
Do not induce vomiting. Never give anything by mouth to an unconscious person. Call a physician or poison control center immediately.

**Most important symptoms and effects**

**Symptoms**
Contact may cause irritation and redness. Inhalation of vapors and/or aerosols in high concentration may cause irritation of respiratory system.

**Indication of any immediate medical attention and special treatment needed**

**Notes to Physician**
Gastric lavage should only be considered by medical personnel following intubation with a cuffed endotracheal tube.

5. FIRE-FIGHTING MEASURES

**Suitable Extinguishing Media**
Dry chemical. Alcohol resistant foam. Carbon dioxide (CO2).

**Unsuitable Extinguishing Media**
Do not use direct stream of water, material may float and reignite.

**Specific Hazards Arising from the Chemical**
Vapors are heavier than air and may spread along floors. Vapors may travel to source of ignition and flash back.

**Hazardous Combustion Products**
Carbon oxides.

**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.
6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures.

Personal Precautions
Use personal protective equipment as required. Remove all sources of ignition.

Methods and material for containment and cleaning up.

Methods for Containment
Prevent further leakage or spillage if safe to do so.

Methods for Clean-Up
Contain and collect with an inert absorbent and place into an appropriate container for disposal.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on Safe Handling
Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protection recommended in Section 8. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Do not breathe dust/fume/gas/mist/vapors/spray. Use only in well-ventilated areas. Keep away from heat/sparks/open flames/hot surfaces. — No smoking. Do not spray on an open flame or other ignition source. Pressurized container: Do not pierce or burn, even after use. Do not get in eyes, on skin, or on clothing. Do not throw empty containers in trash compactor.

Conditions for safe storage, including any incompatibilities

Storage Conditions
Keep containers tightly closed in a dry, cool and well-ventilated place. Protect from sunlight. Do not store at temperatures above 120°F. Store locked up.

Incompatible Materials
Strong oxidizers. Strong acids
8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>ACGIH TLV</th>
<th>OSHA PEL</th>
<th>NIOSH IDLH</th>
</tr>
</thead>
<tbody>
<tr>
<td>Heptane</td>
<td>342 ppm (1400 mg/m³)</td>
<td>NE</td>
<td>NE</td>
</tr>
<tr>
<td>64742-49-0</td>
<td>8 hours</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Di Ethyl Ether</td>
<td>STEL: 500 ppm</td>
<td>1000 ppm</td>
<td>NE</td>
</tr>
<tr>
<td>61-50-8</td>
<td>TWA: 400 ppm</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Carbon dioxide</td>
<td>STEL: 30000 ppm</td>
<td>TWA: 5000 ppm</td>
<td></td>
</tr>
<tr>
<td>124-38-9</td>
<td>TWA: 5000 ppm</td>
<td>TWA: 9000 mg/m³</td>
<td></td>
</tr>
<tr>
<td></td>
<td>(vacated) TWA: 10000 ppm</td>
<td>(vacated) TWA: 18000 mg/m³</td>
<td></td>
</tr>
<tr>
<td></td>
<td>(vacated) STEL: 30000 ppm</td>
<td>(vacated) STEL: 54000 mg/m³</td>
<td></td>
</tr>
<tr>
<td></td>
<td>IDLH: 40000 ppm</td>
<td>TWA: 5000 ppm</td>
<td></td>
</tr>
<tr>
<td></td>
<td>TWA: 9000 mg/m³</td>
<td>TWA: 30000 ppm</td>
<td></td>
</tr>
<tr>
<td></td>
<td>(vacated) TWA: 18000 mg/m³</td>
<td>STEL: 54000 mg/m³</td>
<td></td>
</tr>
<tr>
<td></td>
<td>(vacated) STEL: 54000 mg/m³</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Appropriate engineering controls

Engineering Controls
Apply technical measures to comply with the occupational exposure limits.

Individual protection measures, such as personal protective equipment

Eye/Face Protection  Goggles.

Skin and Body Protection  Wear appropriate clothing to prevent repeated or prolonged skin contact. Wear lined non-permeable rubber gloves like buna or nitrile.

Respiratory Protection  When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

General Hygiene Considerations  Handle in accordance with good industrial hygiene and safety practice.
# 9. PHYSICAL AND CHEMICAL PROPERTIES

## Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Values</th>
<th>Remarks / Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical State</td>
<td>Aerosol</td>
<td></td>
</tr>
<tr>
<td>Appearance</td>
<td>Colorless liquid</td>
<td>Odor</td>
</tr>
<tr>
<td>Color</td>
<td>Colorless</td>
<td>Odor Threshold</td>
</tr>
<tr>
<td>pH</td>
<td>Not determined</td>
<td></td>
</tr>
<tr>
<td>Melting Point/Freezing Point</td>
<td>Not determined</td>
<td></td>
</tr>
<tr>
<td>Boiling Point/Boiling Range</td>
<td>Not determined</td>
<td></td>
</tr>
<tr>
<td>Flash Point</td>
<td>$&lt;-17 , ^\circ C / &lt; 0 , ^\circ F$</td>
<td></td>
</tr>
<tr>
<td>Evaporation Rate</td>
<td>Faster than butyl acetate</td>
<td></td>
</tr>
<tr>
<td>Flammability (Solid, Gas)</td>
<td>Not determined</td>
<td></td>
</tr>
<tr>
<td>Upper Flammability Limits</td>
<td>12.8%</td>
<td></td>
</tr>
<tr>
<td>Lower Flammability Limit</td>
<td>1.0%</td>
<td></td>
</tr>
<tr>
<td>Vapor Pressure</td>
<td>110 psig</td>
<td></td>
</tr>
<tr>
<td>Vapor Density</td>
<td>Greater than air</td>
<td>(1=Water)</td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>0.69-0.71</td>
<td></td>
</tr>
<tr>
<td>Water Solubility</td>
<td>~5%</td>
<td></td>
</tr>
<tr>
<td>Solubility in other solvents</td>
<td>Not determined</td>
<td></td>
</tr>
<tr>
<td>Partition Coefficient</td>
<td>Not determined</td>
<td></td>
</tr>
<tr>
<td>Auto-ignition Temperature</td>
<td>Not determined</td>
<td></td>
</tr>
<tr>
<td>Decomposition Temperature</td>
<td>Not determined</td>
<td></td>
</tr>
<tr>
<td>Kinematic Viscosity</td>
<td>Not determined</td>
<td></td>
</tr>
<tr>
<td>Dynamic Viscosity</td>
<td>Not determined</td>
<td></td>
</tr>
<tr>
<td>Explosive Properties</td>
<td>Not determined</td>
<td></td>
</tr>
<tr>
<td>Oxidizing Properties</td>
<td>Not determined</td>
<td></td>
</tr>
<tr>
<td>VOC Content</td>
<td>96%</td>
<td></td>
</tr>
</tbody>
</table>

## 10. STABILITY AND REACTIVITY

### Reactivity

Not reactive under normal conditions.

### Chemical Stability

Stable under recommended storage conditions.

### Possibility of Hazardous Reactions

None under normal processing.

#### Hazardous Polymerization

Hazardous polymerization does not occur.

### Conditions to Avoid

Heat, flames and sparks. Avoid temperatures above 120°F. Avoid direct sunlight.

### Incompatible Materials

Strong oxidizers. Strong Acids.

### Hazardous Decomposition Products

Carbon oxides.
11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

Eye Contact  Mild eye irritation.
Skin Contact  Causes skin irritation. Harmful if prolonged contact with skin occurs.
Inhalation  Harmful if inhaled.
Ingestion  Harmful if swallowed.

Component Information

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Oral LD50</th>
<th>Dermal LD50</th>
<th>Inhalation LC50</th>
</tr>
</thead>
<tbody>
<tr>
<td>Di Ethyl Ether 61-</td>
<td>= 1215 mg/kg (Rat)</td>
<td>20 mL/kg (Rabbit)</td>
<td>-</td>
</tr>
<tr>
<td>Heptane 64742-49-0</td>
<td>No information</td>
<td>No information</td>
<td>No information</td>
</tr>
</tbody>
</table>

Information on physical, chemical and toxicological effects

Symptoms  Please see section 4 of this SDS for symptoms.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Carcinogenicity  Not classifiable as a human carcinogen.
Reproductive toxicity  No information.
STOT - single exposure  No information.
STOT - repeated exposure  No information.
Aspiration hazard  May be fatal if swallowed and enters airways.

Numerical measures of toxicity

Not determined
## 12. ECOLOGICAL INFORMATION

### Ecotoxicity
Toxic to aquatic life with long lasting effects.

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Algae/aquatic plants</th>
<th>Fish</th>
<th>Micotox</th>
<th>Water Flea</th>
</tr>
</thead>
<tbody>
<tr>
<td>Di Ethyl Ether 61-50-8</td>
<td>NE</td>
<td>10000 mg/L LC50 96 h 2560 mg/L LC50 96 h</td>
<td>EC=5600 mg/L 15 min</td>
<td>EC50= 165 mg/L/24 h</td>
</tr>
<tr>
<td>Heptane 64742-49-0</td>
<td>NE</td>
<td>NE</td>
<td>NE</td>
<td>NE</td>
</tr>
</tbody>
</table>

### Persistence/Degradability
Not determined.

### Bioaccumulation
Not determined.
13. DISPOSAL CONSIDERATIONS

Waste Treatment Methods

Disposal of Wastes
Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated Packaging
Disposal should be in accordance with applicable regional, national and local laws and regulations.

14. TRANSPORT INFORMATION

Note
Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.

DOT
UN/ID No: UN1950
Proper Shipping Name: Aerosols
Hazard Class: 2.1

IATA
UN/ID No: UN1950
Proper Shipping Name: Aerosols, flammable
Hazard Class: 2.1

IMDG
UN/ID No: UN1950
Proper Shipping Name: Aerosols
Hazard Class: 2.1
Marine Pollutant: This material may meet the definition of a marine pollutant

15. REGULATORY INFORMATION

International Inventories

TSCA: Listed

Legend:
TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
ENCS - Japan Existing and New Chemical Substances
IECSC - China Inventory of Existing Chemical Substances
KECL - Korean Existing and Evaluated Chemical Substances
PICCS - Philippines Inventory of Chemicals and Chemical Substances
AICS - Australian Inventory of Chemical Substances

US Federal Regulations

CERCLA: None listed.

SARA 313: None Listed.
CWA (Clean Water Act): None Listed.

US State Regulations

California Proposition 65
This product contains the following Proposition 65 chemicals.
None listed.

U.S. State Right-to-Know Regulations

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>New Jersey</th>
<th>Massachusetts</th>
<th>Pennsylvania</th>
</tr>
</thead>
<tbody>
<tr>
<td>Heptane</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>Di Ethyl Ether</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>Carbon dioxide 124-38-9</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
</tbody>
</table>

16. OTHER INFORMATION

<table>
<thead>
<tr>
<th>NFPA</th>
<th>Health Hazards</th>
<th>Flammability</th>
<th>Instability</th>
<th>Special Hazards</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Not determined</td>
<td>Not determined</td>
<td>Not determined</td>
<td>Not determined</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>HMIS</th>
<th>Health Hazards</th>
<th>Flammability</th>
<th>Physical Hazards</th>
<th>Personal Protection</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>4</td>
<td>0</td>
<td></td>
<td>Not determined</td>
</tr>
</tbody>
</table>

Issue Date: 5/19/2015
Revision Date: 5/19/2015
Revision Note: New format

Disclaimer
The information provided in this Safety Data Sheet 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 guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered 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 materials or in any process, unless specified in the text.

End of Safety Data Sheet