

Issuing date 07-Jun-2016

Revision Date 07-Jun-2016

Version 2

**1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING****Product identifier****Product name** 80-3099 LEAK TRACE POWDER**Recommended use of the chemical  
and restrictions on use****Product code** F03356**Product Type** Extremely flammable aerosol  
**Synonyms** None**Supplier's details****Recommended Use** Leak detector.  
**Uses advised against** No information available**Manufactured For:**  
Kimball Midwest  
4800 Roberts Rd.  
Columbus, OH 43228**Emergency telephone number**  
**Chemical Emergency Phone** Chemtrec 1-800-424-9300  
**Number**  
**Company Emergency Phone** 1-800-233-1294  
**Number**

## 2. HAZARDS IDENTIFICATION

### Classification

|  |                |
|--|----------------|
| Skin corrosion/irritation                          | Category 2     |
| Specific target organ toxicity (single exposure)   | Category 3     |
| Specific target organ toxicity (repeated exposure) | Category 2     |
| Aspiration toxicity                                | Category 1     |
| Flammable aerosols                                 | Category 1     |
| Gases under pressure                               | Compressed Gas |

### GHS Label elements, including precautionary statements

#### Emergency Overview

#### DANGER

#### Hazard Statements

Causes skin irritation

May cause respiratory irritation. May cause drowsiness or dizziness

May cause damage to organs (Central Nervous System, Peripheral Nervous System, Eyes, Kidney, Liver, Respiratory System, and Skin) through prolonged or repeated exposure.

May be fatal if swallowed and enters airways

Extremely flammable aerosol

Contains gas under pressure; may explode if heated



**Appearance** opaque

**Physical state** Aerosol

**Odor** Solvent

#### Precautionary Statements - Prevention

Wash face, hands and any exposed skin thoroughly after handling

Wear protective gloves

Do not breathe dust/fume/gas/mist/vapors/spray

Use only outdoors or in a well-ventilated area

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

Specific treatment (see first aid on this label)

IF ON SKIN: Wash with plenty of soap and water.

If skin irritation occurs: Get medical advice/attention

Take off contaminated clothing and wash before reuse

IF INHALED: Remove person to fresh air and keep 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

#### Precautionary Statements - Storage

Store locked up

Store in a well-ventilated place. Keep container tightly closed

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

**Hazards not otherwise classified (HNOC)**

None

**Other information**

0.000001% of the mixture consists of ingredient(s) of unknown toxicity

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

| Chemical Name              | CAS-No     | Weight %* |
|----------------------------|------------|-----------|
| HEPTANE                    | 64742-49-0 | 70-80     |
| PROPANE/ISOBUTANE/N-BUTANE | 68476-86-8 | 20-30     |
| ZINC STEARATE              | 67762-34-9 | 1-10      |
| SURFACE TREATED SILICA     | 68611-44-9 | 1-10      |

\*The exact percentage (concentration) of composition has been withheld as a trade secret.

**4. FIRST AID MEASURES****First aid measures for different exposure routes**

|                       |   |
|-----------------------|---|
| <b>General advice</b> | Avoid contact with eyes, skin, and clothing. Avoid breathing vapors mist, or gas. Under normal conditions of intended use, this product does not pose a risk to health . Excessive exposure may result in eye, skin, or respiratory irritation. |
| <b>Eye contact</b>    | Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If symptoms persist, call a physician.   |
| <b>Skin contact</b>   | Wash off immediately with soap and plenty of water . Remove and wash contaminated clothing before re-use. Get medical attention immediately if symptoms occur.  |
| <b>Inhalation</b>     | Move to fresh air. If not breathing, give artificial respiration. If breathing has stopped, contact emergency medical services immediately. Artificial respiration and/or oxygen may be necessary.  |
| <b>Ingestion</b>      | Do NOT induce vomiting. Call a physician immediately. Never give anything by mouth to an unconscious person. Risk of product entering the lungs on vomiting after ingestion.  |

**Most important symptoms/effects, acute and delayed**

|                      |   |
|----------------------|---|
| <b>Main Symptoms</b> | Causes skin irritation. May cause respiratory irritation. May cause drowsiness or dizziness. May cause damage to organs through prolonged or repeated exposure. May be fatal if swallowed and enters airways. |
|----------------------|---|

**Indication of immediate medical attention and special treatment needed, if necessary**

|                           |                        |
|---------------------------|------------------------|
| <b>Notes to physician</b> | Treat symptomatically. |
|---------------------------|------------------------|

**5. FIRE-FIGHTING MEASURES****Suitable Extinguishing Media**

Water fog.Dry chemical. Carbon dioxide (CO2). Cool containers/tanks with water spray. water fog. Dry chemical. Carbon dioxide (CO2). Cool containers / tanks with water spray.

**Unsuitable Extinguishing Media** Do not use a solid water stream as it may scatter and spread fire. Keep away from heat and sources of ignition. Cool containers / tanks with water spray.

**Specific hazards arising from the chemical**

Extremely flammable/Flammable. Keep product and empty container away from heat and sources of ignition. Keep product and empty container away from heat and sources of ignition. No smoking. Cool containers /tanks with water spray. In the event of fire and/or explosion do not breathe fumes. In the event of fire, cool tanks with water spray.

**Explosion Data**

**Sensitivity to Mechanical Impact** none.

**Sensitivity to Static Discharge** Yes.

**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. Use shielding to protect fire-fighters from bursting containers. In the event of fire and/or explosion do not breathe fumes.

## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment and emergency procedures**

**Personal precautions** Use with adequate ventilation to keep the exposure levels below the OELS.

**Environmental precautions**

**Environmental precautions** Vapors can accumulate in low areas. Report spills as required by local and federal regulations.

**Methods and materials for containment and cleaning up**

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

**Methods for cleaning up** Contain liquid and collect with an inert, non-combustible material.

## 7. HANDLING AND STORAGE

**Precautions for safe handling**

**Advice on safe handling** Avoid contact with skin, eyes and clothing. Avoid inhaling vapors or mists. Contents under pressure. Do not puncture or incinerate cans. Do not stick pin or any other sharp object into opening on top of can. Use with adequate ventilation. Keep container away from heat, flames, and all other sources of ignition. Keep can away from all sources of electricity such as electric motors and batteries. Do not spray on hot surfaces.

**Conditions for safe storage, including any incompatibilities**

**Technical measures/Storage conditions** Keep containers tightly closed in a cool, well-ventilated place.

**Incompatible products** Store away from strong acids, alkalis, or oxidizing agents.

**Aerosol Level** 3

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Control parameters**

**Exposure Guidelines**

| Chemical Name         | ACGIH TLV                     | OSHA PEL     | NIOSH IDLH |
|-----------------------|-------------------------------|--------------|------------|
| HEPTANE<br>64742-49-0 | TLV: 400 ppm<br>STEL: 500 ppm | TWA: 500 ppm | -          |

|  |   |   |   |
|--|---|---|---|
| PROPANE/ISOBUTANE/N-BUTANE<br>68476-86-8 | 74-98-6: TWA: 1000 ppm<br>106-97-8: STEL: 1000 ppm<br>75-28-5: STEL: 1000 ppm | 74-98-6:TWA: 1000 ppm<br>TWA: 1800 mg/m <sup>3</sup><br>(vacated) TWA: 1000 ppm<br>(vacated) TWA: 1800 mg/m <sup>3</sup><br>106-97-8: (vacated) TWA: 800 ppm<br>(vacated) TWA: 1900 mg/m <sup>3</sup> | 74-98-6:IDLH: 2100 ppm<br>TWA: 1000 ppm<br>TWA: 1800 mg/m <sup>3</sup><br>106-97-8:TWA: 800 ppm<br>TWA: 1900 mg/m <sup>3</sup><br>75-28-5:TWA: 800 ppm<br>TWA: 1900 mg/m <sup>3</sup> |
|--|---|---|---|

ACGIH: (American Conference of Governmental Industrial Hygienists)

OSHA: (Occupational Safety &amp; Health Administration)

NIOSH IDLH: Immediately Dangerous to Life or Health

**Other Exposure Guidelines**

Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992).

**Exposure controls****Engineering Measures**

Ventilation systems. Use adequate ventilation to keep the exposure levels below the OELs.

**Individual protection measures, such as personal protective equipment****Eye/Face Protection**

Safety glasses with side-shields.

**Skin and body protection**

Chemical resistant apron. Protective gloves.

**Respiratory protection**

If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

**Hygiene measures**

Handle in accordance with good industrial hygiene and safety practice.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Physical and chemical properties**

**Physical state**  
**Appearance**  
**Color**

Aerosol  
opaque  
white

**Odor**  
**Odor Threshold**

Solvent

**Property****Values****Remarks • Methods**

pH

No information available

Melting/freezing point

No information available

Boiling point/boiling range

No information available

Flash Point

-96.4 °C / -141 °F

Based on propellant

Evaporation rate

No information available

Flammability (solid, gas)

No information available

Flammability Limits in Air

upper flammability limit

No information available

lower flammability limit

No information available

Vapor pressure

No information available

Vapor density

No information available

Specific Gravity

0.666

Water solubility

Practically insoluble

Partition coefficient: n-octanol/water

Autoignition temperature

No information available

Not applicable

Decomposition temperature

Viscosity

No information available

Explosive properties

**Other information**

VOC Content(%) 96.44

## 10. STABILITY AND REACTIVITY

### Reactivity

Stable under recommended storage conditions

### Chemical stability

Stable under recommended storage conditions.

### Possibility of hazardous reactions

None under normal processing.

### Conditions to Avoid

Extremes of temperature and direct sunlight.

### Incompatible Materials

Store away from strong acids,alkalis, or oxidizing agents.

### Hazardous Decomposition Products

Carbon oxides. Fumes. Hydrocarbons.

## 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

#### Product Information

Product does not present an acute toxicity hazard based on known information

#### Inhalation

Exposure to high vapour concentrations may cause nervous systems effects such as headache, nausea, and dizziness.

#### Eye contact

May cause eye irritation.

#### Skin contact

Causes skin irritation.

#### Ingestion

Not acutely toxic. Aspiration into the lungs during swallowing may cause serious lung damage which may be fatal.

### Component Information

| Chemical Name         | LD50 Oral            | LD50 Dermal             | LC50 Inhalation         |
|-----------------------|----------------------|-------------------------|-------------------------|
| HEPTANE<br>64742-49-0 | > 5000 mg/kg ( Rat ) | > 3160 mg/kg ( Rabbit ) | = 73680 ppm ( Rat ) 4 h |

### Information on toxicological effects

#### Symptoms

Causes skin irritation. May cause respiratory irritation. May cause drowsiness or dizziness. May cause damage to organs through prolonged or repeated exposure. May be fatal if swallowed and enters airways.

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

#### Skin corrosion/irritation

Irritating to skin.

#### Eye damage/irritation

May cause eye irritation.

#### Irritation

May cause skin, eye and respiratory irritation.

#### Sensitization

None known.

#### Germ Cell Mutagenicity

None known.

#### Carcinogenicity

There are no known carcinogenic chemicals in this product.

ACGIH: (American Conference of Governmental Industrial Hygienists)

A2 - Suspected Human Carcinogen

A3 - Animal Carcinogen

IARC: (International Agency for Research on Cancer)  
 Group 3 - Not Classifiable as to Carcinogenicity in Humans  
 Group 1 - Carcinogenic to Humans  
 Group 2B - Possibly Carcinogenic to Humans  
 OSHA: (Occupational Safety & Health Administration)  
 X - Present

|  |   |
|--|---|
| <b>Reproductive toxicity</b>                                       | This product does not contain any known or suspected reproductive hazards.  |
| <b>Specific target organ systemic toxicity (single exposure)</b>   | May cause respiratory irritation. may cause drowsiness and dizziness.   |
| <b>Specific target organ systemic toxicity (repeated exposure)</b> | May cause damage to organs through prolonged or repeated exposure.  |
| <b>Chronic toxicity</b>  | May cause adverse liver effects. Intentional misuse by deliberately concentrating and inhaling contents may be harmful or fatal. Chronic hydrocarbon abuse has been associated with irregular heart rhythms and potential cardiac arrest. Prolonged skin contact may defat the skin and produce dermatitis. |
| <b>Target Organ Effects</b>  | Central Nervous System (CNS), Eyes, Peripheral Nervous System (PNS), Respiratory system, Skin, Kidney, Liver.   |
| <b>Neurological effects</b>  | Intentional misuse by deliberately concentrating and inhaling contents may be harmful or fatal.   |
| <b>Aspiration hazard</b>   | Toxic if swallowed and enters airways.  |

#### Numerical measures of toxicity - Product Information

|   |  |
|---|--|
| <b>Unknown Acute Toxicity</b>   | 0.000001% of the mixture consists of ingredient(s) of unknown toxicity |
| <b>The following values are calculated based on chapter 3.1 of the GHS document .</b> |  |
| <b>ATEmix (oral)</b>  | 17255 mg/kg  |
| <b>ATEmix (dermal)</b>  | 2315 mg/kg   |
| <b>ATEmix (inhalation-gas)</b>  | 996173 mg/l  |
| <b>ATEmix (inhalation-dust/mist)</b>  | 6.3 mg/l   |
| <b>ATEmix (inhalation-vapor)</b>  | 55096 mg/l   |

## 12. ECOLOGICAL INFORMATION

#### Ecotoxicity

| Chemical Name                            | Toxicity to algae | Toxicity to fish | Toxicity to microorganisms | Toxicity to daphnia and other aquatic invertebrates |
|--|-------------------|------------------|----------------------------|---|
| PROPANE/ISOBUTANE/N-BUTANE<br>68476-86-8 | -                 | -                | -                          | -   |

#### Persistence and degradability

#### Bioaccumulation

| Chemical Name                            | log Pow |
|--|---------|
| PROPANE/ISOBUTANE/N-BUTANE<br>68476-86-8 | <=2.8   |

|                              |                          |
|------------------------------|--------------------------|
| <b>Other adverse effects</b> | No information available |
|------------------------------|--------------------------|

## 13. DISPOSAL CONSIDERATIONS

#### Waste treatment

|                               |  |
|-------------------------------|--|
| <b>Waste Disposal Methods</b> | This material, as supplied, is a hazardous waste according to federal regulations (40 CFR 261). Dispose of in accordance with federal, state, and local regulations. |
| <b>Contaminated packaging</b> | Do not re-use empty containers.  |

## 14. TRANSPORT INFORMATION

**DOT Ground** CONSUMER COMMODITY ORM-D  
or  
LIMITED QUANTITY

**IATA** UN1950, AEROSOLS, FLAMMABLE, 2.1, LTD. QTY.

**IMDG** UN1950, AEROSOLS, 2.1,LTD.QTY.

## 15. REGULATORY INFORMATION

### International Inventories

| Chemical Name              | TSCA | DSL/NDSL | EINECS/ELI<br>NCS | ENCS       | IECSC | KECL | PICCS      | AICS       |
|----------------------------|------|----------|-------------------|------------|-------|------|------------|------------|
| HEPTANE                    | X    | X        | X                 | Not listed | X     | X    | X          | X          |
| PROPANE/ISOBUTANE/N-BUTANE | X    | X        | X                 | Not listed | X     | X    | X          | X          |
| ZINC STEARATE              | X    | X        | X                 | Not listed | X     | X    | Not listed | Not listed |
| SURFACE TREATED SILICA     | X    | X        | X                 | X          | X     | X    | X          | X          |

### 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 Commercial Chemical Substances/EU List of Notified Chemical Substances

**ENCS** - Japan Existing and New Chemical Substances

**CHINA** - 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

### 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:

| Chemical Name              | CAS-No     | Weight %* | SARA 313 - Threshold<br>Values % |
|----------------------------|------------|-----------|----------------------------------|
| ZINC STEARATE - 67762-34-9 | 67762-34-9 | 1-10      | 1.0                              |

#### SARA 311/312 Hazard Categories

|  |     |
|--|-----|
| <b>Acute Health Hazard</b>               | Yes |
| <b>Chronic Health Hazard</b>             | Yes |
| <b>Fire Hazard</b>                       | Yes |
| <b>Sudden Release of Pressure Hazard</b> | Yes |
| <b>Reactive Hazard</b>                   | no  |

#### Clean Water Act

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42):



| Chemical Name               | CWA - Reportable Quantities | CWA - Toxic Pollutants | CWA - Priority Pollutants | CWA - Hazardous Substances |
|-----------------------------|-----------------------------|------------------------|---------------------------|----------------------------|
| ZINC STEARATE<br>67762-34-9 |                             | X                      |                           |                            |

**CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

**U.S. State Regulations****California Proposition 65**

This product does not contain any known Proposition 65 chemicals.

**U.S. State Right-to-Know Regulations**

| Chemical Name               | New Jersey | Massachusetts | Pennsylvania |
|-----------------------------|------------|---------------|--------------|
| ZINC STEARATE<br>67762-34-9 | X          |               | X            |

**EPA Pesticide Registration Number** Not applicable

**Canada**

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

**WHMIS Hazard Class**

A Compressed gases  
D2B Toxic materials  
B5 Flammable aerosol



## 16. OTHER INFORMATION

|                                   |   |                       |                          |  |
|-----------------------------------|---|-----------------------|--------------------------|--|
| <b>NFPA</b>                       | <b>Health Hazard 2</b>  | <b>Flammability 4</b> | <b>Instability 0</b>     | <b>Physical and chemical hazards -</b> |
| <b>HMIS</b>                       | <b>Health Hazard 2*</b>   | <b>Flammability 4</b> | <b>Physical Hazard 1</b> | <b>Personal protection B</b>           |
| <i>Chronic Hazard Star Legend</i> | <i>Chronic Health Hazard Repeated or prolonged exposure may cause central nervous system damage</i> |                       |                          |  |

**Prepared By** Regulatory Affairs American Jetway  
34136 Myrtle Street  
Wayne, MI 48184

**Issuing date** Tel.734-721-5930  
**Revision Date** 07-Jun-2016  
**Revision Note** 07-Jun-2016

---

**Disclaimer**

The information provided on this SDS 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.

**End of Safety Data Sheet**