



# SAFETY DATA SHEET

Issuing Date 20-Nov-2013

Revision Date 17-Jan-2018

Revision Number 1

## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

### GHS product identifier

**Product Name** Lock-Ease Aerosol

### Other means of identification

**Product Code(s)** LE-5, LE-5BK (765-1384)

**UN-Number** UN1950

**Synonyms** Lock Lubricant, Graphited Lock Fluid

### Recommended use of the chemical and restrictions on use

**Recommended Use** All types of locks, household appliances, tools, guns, reels and other mechanisms.

**Uses advised against** No information available

### Supplier's details

#### **Supplier Address**

AGS Company  
P.O. Box 729  
Muskegon, MI  
49443  
TEL: 800-253-0403

### Emergency telephone number

**Emergency Telephone Number** 800-255-3924

## 2. HAZARDS IDENTIFICATION

### Classification

This chemical is considered hazardous according to the OSHA Hazard Communication Standard 2012 (29 CFR 1910.1200).

|                                                           |                |
|-----------------------------------------------------------|----------------|
| Serious Eye Damage/Eye Irritation                         | Category 2     |
| Skin Sensitization                                        | Category 1     |
| Germ Cell Mutagenicity                                    | Category 1B    |
| Specific Target Organ Systemic Toxicity (Single Exposure) | Category 3     |
| Flammable aerosols                                        | Category 1     |
| Gases under pressure                                      | Compressed gas |

### GHS Label elements, including precautionary statements

## Emergency Overview

|                                                                                                                                                                                                                                                                                                                                                     |                                |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|
| <b>Signal Word</b>                                                                                                                                                                                                                                                                                                                                  | <b>Danger</b>                  |
| <b>Hazard Statements</b> <ul style="list-style-type: none"><li>• Causes serious eye irritation</li><li>• May cause an allergic skin reaction</li><li>• May cause genetic defects</li><li>• May cause drowsiness or dizziness</li><li>•</li><li>• Extremely flammable aerosol</li><li>• Contains gas under pressure; may explode if heated</li></ul> |                                |
|                                                                                                                                                                                                                                                                    |                                |
| <b>Appearance</b> Black, Liquid.                                                                                                                                                                                                                                                                                                                    | <b>Physical State</b> Aerosol. |
| <b>Odor</b> Pungent.                                                                                                                                                                                                                                                                                                                                |                                |

**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.
- Avoid breathing dust/fume/gas/mist/vapors/spray.
- Contaminated work clothing should not be allowed out of the workplace.
- 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.
- Wear protective gloves/protective clothing/eye protection/face protection.

**General Advice**

- If exposed or concerned: Get medical attention/advice

**Eyes**

- 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.

**Skin**

- IF ON SKIN: Wash with plenty of soap and water.
- If skin irritation or rash occurs: Get medical advice/attention.
- Wash contaminated clothing before reuse.

**Inhalation**

- IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

**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

**Disposal**

- Dispose of contents/container to an approved waste disposal plant.

**Hazard Not Otherwise Classified (HNOC)**

Not applicable.

**Other information**

Inhalation of high vapor concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting.

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

**Synonyms** Lock Lubricant, Graphited Lock Fluid

| Chemical Name                     | CAS-No     | Weight % | Trade secret |
|-----------------------------------|------------|----------|--------------|
| Alkanes, C7-8-iso-                | 70024-92-9 | 55-60    | *            |
| Acetone                           | 67-64-1    | 15-20    | *            |
| Butane (with >0.1% 1,3 butadiene) | 106-97-8   | 10-15    | *            |
| Propane                           | 74-98-6    | 5-10     | *            |
| Calcium Sulfonate                 | -          | < 1      | *            |

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

**4. FIRST AID MEASURES****Description of necessary first-aid measures**

|                                   |                                                                                                                                                                                |
|-----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>General Advice</b>             | If exposed or concerned: Get medical attention/advice                                                                                                                          |
| <b>Eye Contact</b>                | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation persists. |
| <b>Skin Contact</b>               | Wash skin with soap and water. If skin irritation or rash occurs: Get medical advice/attention. Remove and wash contaminated clothing before re-use.                           |
| <b>Inhalation</b>                 | IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. If symptoms persist, call a physician.                                               |
| <b>Ingestion</b>                  | Clean mouth with water and afterwards drink plenty of water.                                                                                                                   |
| <b>Protection of First-aiders</b> | Remove all sources of ignition. Use personal protective equipment. Avoid contact with skin, eyes and clothing.                                                                 |

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

**Most Important Symptoms/Effects** Drowsiness. Dizziness. Central nervous system depression. Irritation. May cause allergic skin reaction.

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

**Notes to Physician** Treat symptomatically.

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

Dry chemical. Foam. Carbon dioxide (CO<sub>2</sub>).

**Unsuitable Extinguishing Media** Do not use a solid water stream as it may scatter and spread fire.

**Specific Hazards Arising from the Chemical**

Extremely flammable. Will form explosive mixtures with air. Most vapors are heavier than air. They will spread along ground and collect in low or confined areas (sewers, basements, tanks). Vapors may travel to source of ignition and flash back. Containers may explode when heated.

**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.

## 6. ACCIDENTAL RELEASE MEASURES

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

ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak. All equipment used when handling the product must be grounded. Take precautionary measures against static discharges. Use personal protective equipment. Avoid contact with skin, eyes and clothing.

**Environmental Precautions****Environmental Precautions**

See Section 12 for additional Ecological Information.

**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**

For undamaged containers: Pick up and transfer to properly labeled containers. In case of rupture: Soak up with inert absorbent material. Take precautionary measures against static discharges. Use clean non-sparking tools to collect absorbed material. Sweep up and shovel into suitable containers for disposal.

## 7. HANDLING AND STORAGE

**Precautions for safe handling****Handling**

Keep away from open flames, hot surfaces and sources of ignition. Take precautionary measures against static discharges. Do not smoke. Do not puncture or incinerate cans. Contents under pressure. Wear personal protective equipment. Avoid contact with skin, eyes and clothing. Remove and wash contaminated clothing before re-use.

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

Keep away from open flames, hot surfaces and sources of ignition. Keep containers tightly closed in a cool, well-ventilated place. Keep at temperatures below 50° C.

**Incompatible Products**

Acids. Strong oxidizing agents. Oxygen.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Control parameters****Exposure Guidelines**

| Chemical Name                                 | ACGIH TLV                       | OSHA PEL                                                                                                                                                                                                                                                                                                 | NIOSH IDLH                                                           |
|-----------------------------------------------|---------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------|
| Acetone<br>67-64-1                            | STEL: 750 ppm<br>TWA: 500 ppm   | TWA: 1000 ppm<br>TWA: 2400 mg/m <sup>3</sup><br>(vacated) TWA: 750 ppm<br>(vacated) TWA: 1800 mg/m <sup>3</sup><br>(vacated) STEL: 2400 mg/m <sup>3</sup><br>The acetone STEL does not apply to the cellulose acetate fiber industry. It is in effect for all other sectors.<br>(vacated) STEL: 1000 ppm | IDLH: 2500 ppm 10% LEL<br>TWA: 250 ppm<br>TWA: 590 mg/m <sup>3</sup> |
| Butane (with >0.1% 1,3 butadiene)<br>106-97-8 | STEL: 1000 ppm explosion hazard | (vacated) TWA: 800 ppm<br>(vacated) TWA: 1900 mg/m <sup>3</sup>                                                                                                                                                                                                                                          | IDLH: 1600 ppm<br>TWA: 800 ppm                                       |

|                                                                          |                                                                                                                 |                                                                                                                                             |                                                                |
|--------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|
|                                                                          |                                                                                                                 |                                                                                                                                             | TWA: 1900 mg/m <sup>3</sup>                                    |
| Propane<br>74-98-6                                                       | : See Appendix F: Minimal<br>Oxygen Content, explosion<br>hazard                                                | 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> |
| Petroleum distillates, solvent-refined heavy<br>paraffinic<br>64741-88-4 | TWA: 5 mg/m <sup>3</sup> , as oil mist,<br>mineral<br>STEL: TWA: 10 mg/m <sup>3</sup> , as oil<br>mist, mineral | TWA: 5 mg/m <sup>3</sup> , as oil mist,<br>mineral                                                                                          | -                                                              |
| Benzene<br>71-43-2                                                       | STEL = 2.5 ppm<br>TWA: 0.5 ppm<br>S*                                                                            | TWA: 1 ppm<br>TWA: 10 ppm<br>(vacated) TWA: 10 ppm<br>(vacated) STEL: 50 ppm<br>(vacated) Ceiling: 25 ppm<br>Ceiling: 25 ppm<br>STEL: 5 ppm | IDLH: 500 ppm<br>TWA: 0.1 ppm<br>STEL: 1 ppm                   |

ACGIH TLV: American Conference of Governmental Industrial Hygienists - Threshold Limit Value. OSHA PEL: Occupational Safety and Health Administration - Permissible Exposure Limits. 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).

### Appropriate engineering controls

**Engineering Measures** Eyewash stations. Showers. Explosion proof ventilation systems.

### Individual protection measures, such as personal protective equipment

**Eye/Face Protection** Tightly fitting safety goggles.  
**Skin and Body Protection** Wear protective gloves/clothing.  
**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** Do not eat, drink or smoke when using this product. Provide regular cleaning of equipment, work area and clothing.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

|                       |          |                       |                           |
|-----------------------|----------|-----------------------|---------------------------|
| <b>Physical State</b> | Aerosol. | <b>Appearance</b>     | Black, Liquid.            |
| <b>Odor</b>           | Pungent. | <b>Odor Threshold</b> | No information available. |

| <u>Property</u>                        | <u>Values</u>     | <u>Remarks/ - Method</u> |
|----------------------------------------|-------------------|--------------------------|
| pH                                     | No data available | None known               |
| Melting Point/Range                    | No data available | None known               |
| Boiling Point/Boiling Range            | No data available | None known               |
| Flash Point                            | -20 -4            | None known               |
| Evaporation rate                       | No data available | None known               |
| Flammability (solid, gas)              | No data available | None known               |
| Flammability Limits in Air             |                   |                          |
| upper flammability limit               | 12.8%             |                          |
| lower flammability limit               | 1.0%              |                          |
| Vapor Pressure                         | No data available | None known               |
| Vapor Density                          | Heavier than air  | Air = 1                  |
| Specific Gravity                       | 0.69-0.75         | For concentrate          |
| Water Solubility                       | Negligible        | None known               |
| Solubility in other solvents           | No data available | None known               |
| Partition coefficient: n-octanol/water | No data available | None known               |
| Autoignition Temperature               | No data available | None known               |
| Decomposition Temperature              | No data available | None known               |
| Viscosity                              | No data available | None known               |

**Flammable Properties** Highly flammable. Fire or intense heat may cause violent rupture of packages

**Explosive Properties** No data available  
**Oxidizing Properties** No data available

**Other information**

**VOC Content (%)** 79%

## 10. STABILITY AND REACTIVITY

**Reactivity**

No data available.

**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**

Keep away from open flames, hot surfaces and sources of ignition. Temperatures above 50°C.

**Incompatible materials**

Acids. Strong oxidizing agents. Oxygen.

**Hazardous decomposition products**

Carbon oxides. Aldehydes. Nitrogen

## 11. TOXICOLOGICAL INFORMATION

**Information on likely routes of exposure**

**Product Information**  
**Inhalation**

Product does not present an acute toxicity hazard based on known or supplied information. May cause irritation of respiratory tract. May cause drowsiness and dizziness. May cause central nervous system depression with nausea, headache, dizziness, vomiting, and incoordination.

**Eye Contact**  
**Skin Contact**  
**Ingestion**

Causes serious eye irritation.  
 May cause allergic skin reaction.  
 Ingestion may cause irritation to mucous membranes. May cause additional effects as listed under "Inhalation".

**Component Information**

| Chemical Name                     | LD50 Oral            | LD50 Dermal        | LC50 Inhalation             |
|-----------------------------------|----------------------|--------------------|-----------------------------|
| Acetone                           | = 5800 mg/kg ( Rat ) | 1700mg/kg (rabbit) | 18892 mg/m <sup>3</sup>     |
| Butane (with >0.1% 1,3 butadiene) | -                    | -                  | 658 mg/L ( Rat ) 4 h        |
| Propane                           | -                    | -                  | > 800000 ppm ( Rat ) 15 min |

**Symptoms related to the physical, chemical and toxicological characteristics**

**Symptoms** Vapors may cause drowsiness and dizziness Irritation

**Delayed and immediate effects and also chronic effects from short and long term exposure**

**Irritation** Causes serious eye irritation  
**Sensitization** Calcium sulfonate may cause skin sensitization.  
**Mutagenic Effects** May cause genetic defects.  
**Carcinogenicity** Contains no ingredients above reportable quantities listed as a carcinogen.

**Reproductive Toxicity** No information available  
**STOT - single exposure** May cause respiratory irritation.  
**STOT - repeated exposure** No information available  
**Aspiration Hazard** No information available.

**Numerical measures of toxicity - Product****Unknown acute toxicity**

*The following values are calculated based on chapter 3.1 of the GHS document:*

**LD50 Oral** 3770 mg/kg; Acute toxicity estimate

**Inhalation gas** 147631

**12. ECOLOGICAL INFORMATION****Ecotoxicity**

The environmental impact of this product has not been fully investigated.

| Chemical Name                                                         | Toxicity to Algae                                      | Toxicity to Fish                                                                                                                                           | Toxicity to Microorganisms | Daphnia Magna (Water Flea)                                                                         |
|-----------------------------------------------------------------------|--------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|----------------------------------------------------------------------------------------------------|
| Acetone<br>67-64-1                                                    |                                                        | LC50 96 h: 4.74 - 6.33 mL/L (Oncorhynchus mykiss)<br>LC50 96 h: 6210 - 8120 mg/L static (Pimephales promelas) LC50 96 h: = 8300 mg/L (Lepomis macrochirus) | EC50 = 14500 mg/L 15 min   | EC50 48 h: 10294 - 17704 mg/L Static (Daphnia magna) EC50 48 h: 12600 - 12700 mg/L (Daphnia magna) |
| Petroleum distillates, solvent-refined heavy paraffinic<br>64741-88-4 |                                                        | LC50 96 h: > 5000 mg/L (Oncorhynchus mykiss)                                                                                                               |                            | EC50 48 h: > 1000 mg/L (Daphnia magna)                                                             |
| Petroleum distillates, hydrotreated heavy naphthenic<br>64742-52-5    |                                                        | LC50 96 h: > 5000 mg/L (Oncorhynchus mykiss)                                                                                                               |                            | EC50 48 h: > 1000 mg/L (Daphnia magna)                                                             |
| Benzene<br>71-43-2                                                    | EC50 72 h: = 29 mg/L (Pseudokirchneriella subcapitata) | LC50 96 h: = 5.3 mg/L flow-through (Oncorhynchus mykiss)                                                                                                   |                            | EC50 48 h: 8.76 - 15.6 mg/L Static (Daphnia magna)                                                 |

**Persistence and Degradability** No information available

**Bioaccumulation**

| Chemical Name                     | Log Pow |
|-----------------------------------|---------|
| Acetone                           | -0.24   |
| Butane (with >0.1% 1,3 butadiene) | 2.89    |
| Propane                           | 2.3     |

**Other Adverse Effects**

No information available.

**13. DISPOSAL CONSIDERATIONS**

**Waste Disposal Methods** This material, as supplied, is a hazardous waste according to federal regulations (40 CFR 261).

**Contaminated Packaging** Pressurized container: Do not pierce or burn, even after use. Empty containers pose a

potential fire and explosion hazard. Do not cut, puncture or weld containers.

**US EPA Waste Number** D001

This product contains one or more substances that are listed with the State of California as a hazardous waste.

## 14. TRANSPORT INFORMATION

### DOT

|                                        |                          |
|----------------------------------------|--------------------------|
| <b>UN-Number</b>                       | UN1950                   |
| <b>Proper shipping name</b>            | AEROSOLS                 |
| <b>Hazard Class</b>                    | 2.1                      |
| <b>Reportable Quantity (RQ)</b>        | Acetone: RQ kg= 11350.00 |
| <b>Description</b>                     | UN1950, AEROSOLS, 2.1    |
| <b>Emergency Response Guide Number</b> | 126                      |

### TDG

|                             |                       |
|-----------------------------|-----------------------|
| <b>UN-Number</b>            | UN1950                |
| <b>Proper Shipping Name</b> | AEROSOLS              |
| <b>Hazard Class</b>         | 2.1                   |
| <b>Description</b>          | UN1950, AEROSOLS, 2.1 |

### ICAO

|                             |                       |
|-----------------------------|-----------------------|
| <b>UN-Number</b>            | UN1950                |
| <b>Proper shipping name</b> | Aerosols              |
| <b>Hazard Class</b>         | 2.1                   |
| <b>Description</b>          | UN1950, Aerosols, 2.1 |

### IATA

### IMDG/IMO

|                             |                     |
|-----------------------------|---------------------|
| <b>UN-Number</b>            | UN1950              |
| <b>Proper Shipping Name</b> | Aerosols            |
| <b>Hazard Class</b>         | 2                   |
| <b>EmS No.</b>              | F-D, S-U            |
| <b>Description</b>          | UN1950, AEROSOLS, 2 |

### ADR

## 15. REGULATORY INFORMATION

### International Inventories

Contact supplier for inventory compliance status

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

### U.S. Federal Regulations

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 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 does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

**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.

| Chemical Name | Hazardous Substances RQs | Extremely Hazardous Substances RQs | RQ                                         |
|---------------|--------------------------|------------------------------------|--------------------------------------------|
| Acetone       | 5000 lb                  |                                    | RQ 5000 lb final RQ<br>RQ 2270 kg final RQ |

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

This product contains the following Proposition 65 chemicals:

| Chemical Name | CAS-No  | California Prop. 65                              |
|---------------|---------|--------------------------------------------------|
| Benzene       | 71-43-2 | Carcinogen<br>Developmental<br>Male Reproductive |

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

| Chemical Name                     | New Jersey | Massachusetts | Pennsylvania | Illinois | Rhode Island |
|-----------------------------------|------------|---------------|--------------|----------|--------------|
| Acetone                           | X          | X             | X            |          | X            |
| Butane (with >0.1% 1,3 butadiene) | X          | X             | X            | -        | X            |
| Propane                           | X          | X             | X            | -        | X            |

**U.S. EPA Label Information**

**EPA Pesticide Registration Number** Not applicable

**16. OTHER INFORMATION**

**NFPA** Health Hazard 2 Flammability 3 Instability 1 Physical and Chemical Hazards -

**HMIS** Health Hazard 2\* Flammability 3 Physical Hazard 1 Personal Protection X

**Prepared By** Product Stewardship  
23 British American Blvd.  
Latham, NY 12110  
1-800-572-6501

**Issuing Date** 20-Nov-2013

**Revision Date** 17-Jan-2018

**Revision Note** Initial Release.

**General 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**