

Safety Data Sheet

Issue Date: 20-Jan-2015

Revision Date:

Version 1

1. IDENTIFICATION

Product Identifier

Product Name DRY SILICONE SPRAY AEROSOL

Other means of identification

SDS #

ITEM# M-15820

UN/ID No

UN 1950

Recommended use of the chemical and restrictions on use

Recommended Use Metal Protectant

Details of the supplier of the safety data sheet

Supplier Address

Ashburn Chemical Technologies
7403 Wright Rd
Houston, TX 77041

Emergency Telephone Number

Company Phone Number

832-399-1000

Emergency Telephone (24 hr)

INFOTRAC 1-352-323-3500 (International)

1-800-535-5053 (North America)

2. HAZARDS IDENTIFICATION

Appearance Clear, colorless spray

Physical State Aerosol

Odor solvent-like

Classification

Flammable Aerosol (liquefied gas)	Category 1
Skin irritant	Category 2
Eye Irritant	Category 2A
Specific Target Organ Toxicity (Single Exposure)	Category 3
Aspiration Hazard	Category 1

Hazard Not Otherwise Classified (HNOC)

Signal Word

DANGER



Hazard Statements

Extremely flammable aerosol

Contains gas under pressure: May explode if heated

Causes skin and eye irritation

May cause drowsiness and dizziness.
Maybe fatal if swallowed and enters airways

Precautionary Statements - Prevention

Avoid breathing fumes, mist, vapors, and spray.
Use only outdoors or in a well-ventilated area.
Wash hands thoroughly after handling. Wear protective gloves and eye protection.
Keep away from heat, sparks, open flames, and 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. Protect from sunlight.
Do not expose to temperatures exceeding 50C/122°F. Store in a well-ventilated place.

Precautionary Statements – Response

IF ON SKIN: Wash with plenty of water. If skin irritation occurs: Get medical attention.
Take off contaminated clothing and wash before reuse.
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 attention
If INHALED: Remove person to fresh air and keep comfortable for breathing. Call a poison center or doctor if you feel unwell.
IF SWALLOWED: Immediately call a poison center or doctor. Do NOT induce vomiting.

Precautionary Statements – Storage

Store locked up.
Protect from sunlight.
Do not expose/store to temperatures exceeding 50C/122°F. Store in a well-ventilated place

Precautionary Statements – Disposal

Dispose of contents and container in accordance with local, state, and national regulations.

Other Hazards

Harmful to aquatic life with long lasting effects

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%
Heptane	142-82-5	10-30%
Propane / n- Butane	68476-86-8	30-60%
Acetone	67-64-1	30-60%

If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.

4. FIRST-AID MEASURES**First Aid Measures****General Advice**

Provide this SDS to medical personnel for treatment.

Eye Contact

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 or attention

Skin Contact

Wash contact areas with soap and water. Remove contaminated clothing. Launder contaminated clothing before reuse. If skin irritation persists, call a physician.

Inhalation

Remove from further exposure. For those providing assistance, avoid exposure to yourself or others. Use adequate respiratory protection. Seek immediate medical assistance. If breathing has stopped, assist ventilation with a mechanical device or use mouth-to-mouth resuscitation.

Ingestion

Do not induce vomiting without medical advice. Seek immediate medical attention/advice.

Most important symptoms and effects**Acute Health Hazard**

Eyes: redness, tearing, blurred vision
Skin: defatting and dermatitis
Inhalation: drowsiness and dizziness.
Oral: abdominal irritation, nausea, vomiting, and diarrhea

Chronic Health Hazard

None-known.

Indication of any immediate medical attention and special treatment needed**Notes to Physician**

If ingested, material may be aspirated into the lungs and cause chemical pneumonitis
Treat symptomatically.

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

Use water fog, foam, dry chemical or carbon dioxide (CO₂) to extinguish flames.

Unsuitable Extinguishing Media

Do not use straight streams.

Specific Hazards Arising from the Chemical

Not determined.

Hazardous Combustion Products Oxides of carbon.

Protective equipment and precautions for firefighters

Evacuate area. Prevent runoff from fire control or dilution from entering streams, sewers, or drinking water supply. Firefighters should use standard protective equipment and in enclosed spaces, self-contained breathing apparatus(SCBA). Use water spray to cool fire exposed surfaces and to protect personnel.

6. ACCIDENTAL RELEASE MEASURES**Personal precautions, protective equipment and emergency procedure****Personal Precautions**

Wear protective clothing as described in Section 8 of this safety data sheet.

Environmental Precautions

Dike far ahead of liquid spill for later recovery and disposal. Prevent entry into waterways, sewers, basements or confined areas. See Section 12 for additional Ecological Information.

Spill**Methods for Clean-Up**

Remove any source of ignition. Use non-sparking tools and equipment. Use absorbent on spill sweep to clean. Dispose in accordance with local, state and federal laws. Small releases may be wiped up with wiping material.

Waste Disposal

Dispose of in accordance with local, State and Federal regulations. Do not dump in sewers. Use sand or other non- combustible absorbent material to clean up spill and place in container for later disposal. Containers may contain hazardous residue.

RCRA Status

Liquid could be classified as D001 under RCRA, however product should be fully characterized prior to disposal (40 CFR 261)

7. HANDLING AND STORAGE**Precautions for safe handling**

Advice on Safe Handling

Handle in accordance with good industrial hygiene and safety practice. Avoid breathing fumes, vapors, mists, spray. Wash face, hands, and any exposed skin thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse.

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

Pressurized container: Do not pierce or burn, even after use. Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F. Store locked up. Flammable vapors may collect in low lying areas.

Incompatible Materials

Strong oxidizing agents.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Heptane	400 ppm	500 ppm	-
Propane /n- Butane	1000 ppm	1000 ppm	-
Acetone	1000 ppm	500 ppm	

Appropriate engineering controls**Engineering Controls**

Use only outdoors or in a well-ventilated area.

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

If contact is likely, safety glasses with side shields are recommended.

Skin and Body Protection

If prolonged or repeated contact is likely, chemical, and oil resistant clothing is recommended.

Respiratory Protection

Ensure adequate ventilation, especially in confined areas.

General Hygiene Considerations

Avoid contact with skin, eyes and clothing. After handling this product, wash hands before eating, drinking, or smoking.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical State
Appearance
Color

Aerosol
Clear, colorless
colorless

Odor
Odor Threshold

Mild, solvent-like
Not determined

Property**Values****Remarks • Method**

pH

Not determined

Melting Point

< 200° F

Freezing Point

Not determined

Flash Point

< 5° F

Flammability (Solid, Gas)

Extremely flammable aerosol

Auto-ignition Temperature

Not determined

Upper / Lower Flammability Limit

Not determined

Vapor Pressure (mm Hg)

> 36

@ 77°F / 25°C

Evaporation Rate

< 3 (fast)

(butyl acetate = 1)

Vapor Density

> 2

(Air = 1)

Specific Gravity

0.755

(1=Water)

Water Solubility

0%

Solubility in other solvents

Not determined

Partition Coefficient	Not determined	n-Octanol/Water (KoW))
Volatility Including Water	97% Volatile	
VOC Content (%)	55%	
Dielectric Strength (Volts)	Not determined	
Decomposition Temperature	Not determined	
Explosive Properties	Not determined	

97% Volatile

10. STABILITY AND REACTIVITY

Reactivity	Certain plastics, rubber, strong oxidizers.
Chemical Stability	Stable under recommended storage conditions.
Possibility of Hazardous Reactions	None under normal processing.
Conditions to Avoid	Temperatures greater than 122°F and source of ignition.
Incompatible Materials	Strong oxidizing agents.
Hazardous Decomposition Products	Silicone Dioxide, Carbon oxides, Formaldehyde

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Eye Contact	Causes irritation, burning, redness, tearing.
Skin Contact	Causes localized defatting, irritation, dermatitis..
Inhalation	Causes dizziness, excessive or prolonged exposure may cause unconsciousness.
Ingestion	May cause gastrointestinal irritation, nausea, diarrhea, vomiting, abdominal cramps

Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Acetone 67-64-1	5,800 mg/kg (Rat) 3,000 mg/kg (mouse) 5340 mg/kg (Rabbit)		50,100 mg/m ³ (Rat) 8hr 44,000 mg/m ³ (Mouse) 4hr
Propane 74-98-6	-	-	658 mg/L (Rat) 4 h
Heptane 142-82-5	15,000 mg/kg (Rat)	2,000 mg/kg (Rabbit)	103 g/m3 (Rat) 4hr

Information on physical, chemical and toxicological effects

Symptoms	Please see section 4 of this SDS for symptoms.
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Delayed and immediate effects as well as chronic effects from short and long-term exposure

Carcinogenicity	OSHA: No ACGIH: N/A NTP: No IARC: N/A OTHER: N/A
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12. ECOLOGICAL INFORMATION

Ecotoxicity	Acetone (67-64-1) LC50 (Trout, 96hr) 5540 mg/L; LC50 (Bluegill, 96hr) 8300 mg/L; LC50 (Fathe Minnow, 96hr) 7500 mg/L
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Component Information

Persistence/Degradability	Component(s) of this product are not biogradable.
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Bioaccumulation This product is not expected to bioaccumulate.

Mobility This product is mobile in soil.

Other Ecological Hazard This material is toxic to aqua life.

13. DISPOSAL CONSIDERATIONS

Waste Treatment Methods

Disposal of Wastes Dispose of in accordance with federal, state, and local regulations. Do not dump in sewers. Wrap container and place in trash collection, do not puncture, incinerate, or reuse container.

RCA Status Waste likely considered D001 (Ignitable waste), under RCRA, however product Should be fully characterized prior to disposal (40 CFR 261).

14. TRANSPORT INFORMATION

DOT

UN/ID No UN1950
Proper Shipping Name Aerosols, Ltd. Qty
Hazard Class / Division 2.1

IATA

UN/ID No UN1950
Proper Shipping Name Aerosols, Ltd. Qty
Hazard Class / Division 2.1

IMDG

UN/ID No UN1950
Proper Shipping Name Aerosols, Ltd. Qty
Hazard Class / Division 2.1

Environmental Hazard Water Marine Pollutant

15. REGULATORY INFORMATION

International Regulations All components are listed or exempted.

Chemical Name	TSCA	DSL	NDSL	EINECS	ELINCS	ENCS	IECSC	KECL	PICCS	AICS	
Acetone 667-64-1	Present	X	Present	Present	Present	Present	X	Present	X	X	Present

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

TSA STATUS All Chemicals are listed or exempt.

CERCLA Acetone (67-64-1) Reportable Quantity = 5,000 lb

SARA 311/312 Hazard Categories **Acute Health, Fire**

SARA 313 Reportable Ingredients 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

US State Regulations

Acetone (67-64-1) Connecticut hazardous material survey, Illinois toxic substances disclosure to employee act, Illinois chemical safety act, New York release reporting list, **RTK** - RI, PA, FL, MN, MA, NJ; Massachusetts spill list, New Jersey spill list, Louisiana spill reporting, California List of Hazardous Substances (8 CCR 339): Acetone TSCA 8(b) inventory: Acetone TSCA 4(a) final test rules: Acetone TSCA 8(a) IUR: Acetone

Heptane (142-82-5) California Director's List of Hazardous Substances, Connecticut hazardous material survey, Illinois toxic substances disclosure to employee act, New Jersey RTK, Massachusetts RTK, Minnesota RTK, Pennsylvania RTK, Rhode Island RTK

U.S. State Right-to-Know Regulations

Chemical Name	California Prop 65 Components	New Jersey	Massachusetts	Pennsylvania
Acetone 67-64-1	X	X	X	X
Heptane 142-82-5	X	X	X	X

16. OTHER INFORMATION

<u>NFPA</u>	Health Hazards 1	Flammability 3	Instability 0	Special Hazards Not determined
<u>HMIS</u>	Health Hazards 1	Flammability 3	Physical Hazards 0	Personal Protection B

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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