SILCO INCORPORATED

SAFETY DATA SHEET

Print Date: 7/31/15

SECTION 1- PRODUCT AND COMPANY IDENTIFICATION

1.1 Product Identifier

Product Name:	Seal Clean Multi-Purpose Foam Cleaner
Product Classification:	Polyurethane Foam Cleaner
REACH Registration:	No data available

1.2 Relevant identified uses of the substance or mixture and uses advised against

General Use	Foam sealant remover, multi-purpose cleaner for professional use only
Uses advised against	

1.3 Details of the supplier and of the safety data sheet

Manufacturer	Silco Inc. 7635 St. Clair Ave. Mentor, Ohio 44060 Phone: 440-975-8886 Fax: 440-975-8887

1.4 Emergency telephone numbers

In the U.S.A	CHEMTREC (24 hours) 1-800-424-9300
International Emergency	CHEMTREC (24 hours) 1-703-527-3887

SECTION 2- HAZARDS IDENTIFICATION

2.1 Classification of substance or mixture

Product definition: Mixture

Classification:
Flammable Aerosol- Category 1
Gases Under Pressure- Compressed Gas
Eye Irritation- Category 2
Respiratory Sensitizing- Category 1
Specific Target Organ Toxicity SE 3

2.2 Label elements

Hazard Symbols:

Signal Word: **DANGER**

Hazard Statements:
H222- Extremely flammable aerosol
H280- Contains gas under pressure; may explode if heated
H319- Causes serious eye irritation
H336- May cause drowsiness or dizziness

Prevention:
P102- Keep out of reach of children
P210- Keep away from heat/sparks/open flames/hot surfaces-No Smoking
P211- Do not spray on an open flame or other ignition source
P251- Pressurized container: Do not pierce or burn, even after use
P260- Do not breathe mist/vapours/spray
P262- Do not get in eyes, on skin, or on clothing
P271- Use only outdoors or in a well-ventilated area
P280- Wear protective gloves, protective clothing and eye protection

Response:
P304+P341 IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing
P305+P351+P338- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P314- Get medical advice if you feel unwell
P342+P311- If experiencing respiratory symptoms: Call a POISON CENTER or doctor
P370+P378- In case of fire: Use water fog, foam, dry chemical or carbon dioxide for extinction
P381- Eliminate all ignition sources if safe to do so

Storage:
P403+P405- Store in a well-ventilated place. Store locked up.
P410- Protect from sunlight
P412- Do not expose to temperatures exceeding 50°C/122°F.

Disposal: P501 Dispose of contents/container in accordance with applicable local/regional/national/international regulations.

SECTION 3- COMPOSITION/INFORMATION ON INGREDIENTS

% by Weight	Ingredient	CAS No.	EC Number	Annex Number	EC Classification
90-100	Acetone	67-64-1	202-662-2	606-001-00-8	F, R11; Xi, R36; R66,R67
0-10	Carbon Dioxide	124-38-9	204-696-9	603-000-00-5	

There are not additional ingredients present which, within the current knowledge of the supplier and in the concentration applicable, are classified as hazardous to the health or environment and hence require reporting in this section.

SECTION 4- FIRST AID MEASURES

4.1 Description of first aid measures

Eye: Immediately flush eyes with large amounts of water for at least 15 minutes, holding the eyes open with fingers and occasionally lifting the upper and lower lids. Use lukewarm water if possible. If present and easy to do so, remove contact lenses, if irritation persists, get medical attention.

Skin: In case of contact, immediately flush skin with plenty of soap and water. Remove contaminated clothing and shoes. Wash clothing before reuse. Call a physician if irritation persists.

Inhalation: If product vapor or mist causes respiratory irritation or distress, move exposed person to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Obtain medical attention.

Ingestion: Rinse mouth thoroughly with water. If swallowed, do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical advice/attention.

4.2 Most important symptoms and effects, both acute and delayed

Eye: Causes serious eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision.

Skin: May cause skin irritation. Repeated or prolonged exposure may cause drying and cracking of skin. May be absorbed by the skin.

Inhalation May be harmful if inhaled. High concentrations may cause central nervous system effects characterized by nausea, headache, dizziness, or drowsiness.

Ingestion: May be harmful if swallowed. May cause gastrointestinal irritation: stomach distress, nausea, or vomiting.

Chronic: Chronic inhalation may cause similar effects to those of acute inhalation. Chronic inhalation may cause liver and kidney damage. Prolonged or repeated skin contact may cause dermatitis.

4.3 Notes to the physician

Symptoms may not appear immediately. If case of an accident or if you feel unwell, seek medical advice immediately (show label or SDS if possible).

SECTION 5- FIRE FIGHTING MEASURES

5.1 Extinguishing media

Suitable methods of extinction: Use dry chemical, carbon dioxide, alcohol resistant foam, Halon 1211, water spray or fog.

Unsuitable methods of extinction: Do not use water jets and high pressure water as these may spread the fire

5.2 Special hazards arising from the substance or mixture

Contents under pressure. Extremely flammable aerosol. Contains flammable liquid and vapor. Eliminate all ignition sources. Aerosol cans exposed to fire or high temperature can rupture and rocket. Vapors are heavier than air and may travel to a source of ignition and flash back. Vapors can spread along the ground and collect in low or confined areas. During a fire irritating and highly toxic gases may be generated by thermal decomposition or combustion.

5.3 Advice to firefighters

Keep upwind of fire. Wear full fire-fighting turn-out gear (full Bunker gear) and respiratory protection (SCBA). Use water spray to keep fire-exposed containers cool. Containers may explode if heated.

SECTION 6- ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Stay upwind of spill. Keep out of low areas. Use personal protective equipment recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel. Eliminate sources of ignition. Avoid breathing vapor.

6.2 Environmental precautions

Do not allow to enter sewers, drains, or waterways

6.3 Methods and materials for containment and cleaning up

Method for containment: Contain spill. Absorb liquid with vermiculite or with an inert absorbent.

Methods for cleaning up: Scoop up material and place in a lidded disposal container. Dispose of as waste in accordance with all applicable guidelines and regulations. Materials used in clean-up may be considered hazardous waste. Vapors can accumulate in low areas. Provide ventilation.

6.4 Reference to other sections

For indications about waste treatment, see Section 13

SECTION 7- HANDLING AND STORAGE

7.1 Precautions for safe handling

Keep away from sources of ignition- No smoking. Do not spray on an open flame or other ignition source. Pressurized container: do not pierce or burn, even after use. Container may explode if heated. Avoid contact with skin and eyes. Do not breathe dust/fume/gas/mist/vapors/spray. Do not swallow. Use only in a well-ventilated area or outdoors. Avoid welding or other “hot work” in the vicinity using Sean Clean. When using do not eat, drink or smoke. (See section 8)

General hygiene advice: Launder contaminated clothing before reuse. Wash hands before eating, drinking or smoking.

7.2 Conditions for safe storage including any incompatibilities

Store in a dry place. Store locked-up. Do not expose aerosol cans to open flame or temperatures above 122°F (50°C). Protect containers from physical abuse. Keep containers upright. **KEEP AWAY FROM CHILDREN.**

SECTION 8- EXPOSURE CONTROLS/ PERSONAL PROTECTION

8.1 Control Parameters

CAS No.	Ingredient	OSHA-PEL TWA	ACGIH-TLV	NIOSH
67-64-1	Acetone	1000 ppm 2400 mg/m3	500 ppm TWA 750 ppm STEL	250 ppm; 590 mg/m3 TWA 2500 ppm IDLH (LEL)
124-38-9	Carbon Dioxide	5000 ppm 9000 mg/m3	5000 ppm; 9000 mg/m3 TWA 30000 ppm; 54000 mg/m3 STEL	1000 ppm; 1900 mg/m3 TWA 30000 ppm; 54000 mg/m3 STEL 40000 ppm IDLH

8.2 Exposure Controls:

Engineering measures: Use ventilation adequate to keep exposures below recommended exposure limits.

Eye/face Protection: Wear protective safety glasses with side shields or goggles.

Hand Protection: Use chemically resistant gloves (i.e. Nitrile gloves). Nitrile/butadiene rubber, butyl rubber, polyethylene, PVC (vinyl), or neoprene gloves are also effective. Glove selection should take into account potential body reactions to certain materials and manufacturer’s instructions for use. Break through time of selected gloves must be greater than the intended use period.

Other Protective Equipment: Use clothing that protects against dermal exposure. Appropriate protective clothing varies depending on the potential for exposure. To ensure proper skin protection, wear PPE in such a manner that no skin is exposed.

Respiratory Protection: If atmospheric levels are expected to exceed the exposure levels, use a NIOSH approved air purifying respirator equipped with an organic vapor cartridge and particulate filter. If atmospheric levels exceed 10 times the TLV or PEL level for which an air-purifying respirator is effective, use a powered air purifying respirator (PAPR). The type of respiratory protection selected must comply with the requirements set forth in OSHA’s Respiratory Protection Standard (29 CFR 1910.134).

Hygiene Measures: An eye wash station or portable eye wash station should be in the area. Wash hands thoroughly after use, before eating, drinking or using the lavatory. Employees/Users should be educated and trained in the safe use and handling of this product.

SECTION 9- Physical and chemical properties

9.1 Information on basic physical and chemical properties	
General Physical Form	Aerosol- Clear colorless liquid
Color	Clear
Odor	Solvent Odor
Odor Threshold:	13-20 ppm
pH:	7

Melting Point/Freezing Point	No data available
Initial Boiling Point and Boiling Range	133◦F (56.◦C) (Acetone Supplier)
Flash Point:	0◦F (-18.◦C), (Acetone Supplier
Evaporation Rate:	5.6
Flammability:	Highly Flammable
Lower Flammability/Explosive Limit:	2.5%
Upper Flammability/Explosive Limit:	12.8%
Vapor Pressure	231 mm Hg @ 25◦C)
Vapor Density:	2.0 (Air = 1)
Relative Density/Specific Gravity:	~ .81 estimated (Water = 1)
Solubility:	Soluble
Partition coefficient: n-octanol/water:	log Pow = -0.24
Auto-ignition Temperature:	1004◦F (540◦C)(Acetone Supplier)
Decomposition Temperature;	No data available
Viscosity:	.33 cps @20◦C
Explosive Properties:	May be sensitive to mechanical impact or static discharge. Vapor released during and immediately after dispensing may accumulate and ignite explosively if proper ventilation is not employed. Extinguish or remove all sources of ignition during dispensing, until product becomes tack free or skins over.
VOC Content (calculated minus exempt compounds and water)	0 g/l (acetone and carbon dioxide are VOC exempt compounds)

SECTION 10- STABILITY AND REACTIVITY

10.1 Reactivity
No dangerous reaction known under conditions of normal use.

10.2 Chemical Stability
Stable under normal storage conditions. Contents under pressure. Container may explode if heated. Do not pierce or burn, even after use.

10.3 Possibility of Hazardous Reactions
Contents are under pressure and exposure to high temperature can cause containers to rupture or explode. Avoid excessive heat and sources of ignition. Reacts with strong oxidizing agents.

10.4 Conditions To Avoid
Heat. Incompatible materials. Sources of ignition.

10.5 Incompatible Materials
Strong oxidizing agents, strong acids, halogenated compounds, reducing agents, strong bases, rubber, various plastics.

10.6 Hazardous Decomposition Products
May include, and are not limited to: oxides of carbon, irritating and toxic fumes.

SECTION 11- TOXICOLOGICAL INFORMATION

11.1 Information on Toxicological effects:
Acute Oral Toxicity
LD50, rat: 5800 mg/kg (acetone)
Acute inhalation toxicity
LC50, rat: 55700 ppm, 3h (acetone)
Acute dermal toxicity
LD50, rabbit: 7426mg/kg, 24h (acetone)
Skin irritation
May cause skin irritation
Eye irritation
Causes serious eye irritation
Sensitization
No data available
Genotoxicity
In vivo: Mutagenicity (mammal cell test)- Micronucleus; Result-negative
In vitro: Ames test; Result- negative
In vitro: Mutagenicity (mammal cell test)- Chromosome aberration; Result-negative
Mutagenicity
Test data using laboratory animals was predominately negative
Specific organ toxicity- single exposure
May cause drowsiness or dizziness
Specific organ toxicity- repeated exposure
No data available

Aspiration hazard
No data available

11.2 Further Information:
Acetone: ACIGH A4 Carcinogen-Not classifiable as a human carcinogen. Not listed as a carcinogen by IARC, OSHA or NTP. No data is available regarding the mutagenicity or teratogenicity of this product, nor is there any available data that indicates that it causes adverse developmental or fertility effects.

SECTION 12- ECOLOGICAL INFORMATION

12.1 Ecotoxicity
Aquatic Ecotoxicity (Acetone):
LC50 Oncorhynchus mykiss (Rainbow trout) 96h: 5,540 mg/l
LC50 Pimephales promelas (Fathead minnow) 96h: 7,280-8180 mg/l
LC50 Lepomis macrochirus 9Bluegill sunfish) 96h: 8,300 mg/l
Acute toxicity to aquatic invertebrates:
EC50 Daphnia magna (Water flea) 48h: 6,100 mg/l
Acute and prolonged toxicity to aquatic plants:
EC50 Selenastrum capricorntum (Green algae) 96h: >100 mg/l
Acute toxicity to aquatic microbes:
EC50 Activated sludge- 30 min: 59-67.4 mg/l

12.2 Persistence and degradability
Product is not readily biodegradable.

12.3 Bioaccumulative potential
Does not bioaccumulate

12.4 Mobility in soil
Material volatizes, leeches and biodegrades when released to soil

12.5 Other Adverse Effects
Additional ecological information:
Do not allow material to run into surface waters, waste water or soil.
An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

SECTION 13- DISPOSAL CONSIDERATIONS

13.1 Waste Treatment Methods
Methods of disposal
Before disposing of containers, collect and reclaim or dispose in sealed containers at licensed waste disposal site. This material must be disposed of in accordance with all local, regional, national, international regulations.
RCRA Hazardous Waste U List: Acetone (CAS 67-64-1) U002

Other disposal recommendations:
Do not puncture or incinerate containers. Use appropriate Personal Protective Equipment.

SECTION 14- TRANSPORTATION

Containers 1000 cu. cm. (1 liter) or less:

		***Due to changes in December 2020: See shipping papers for exact 49 CFR descriptions.**
Ground	Consumer Commodity ORM-D	Limited Quantity
Air	UN1950 Aerosols, Flammable 2.1 (Flammable Gas Label) LIMITED QUANTITY Packing Group- Not applicable	UN1950 Aerosols, Flammable 2.1 (Flammable Gas Label) LIMITED QUANTITY Packing Instructions (Cargo & Passenger) 203
Water	UN1950 Aerosols, Flammable 2.1 (Flammable Gas Label) LIMITED QUANTITY	UN1950 Aerosols, Flammable 2.1 (Flammable Gas Label) LIMITED QUANTITY

*This product meets the exception requirements of section 49 CFR 173.306 as a limited quantity and may be shipped as a limited quantity. Until 12/31/2020, the “Consumer Commodity- ORM-D” marking may still be used in place of the new limited quantity diamond mark for packages of UN1950 Aerosols. Limited quantities require the limited quantity diamond mark on cartons after 12/31/20 and may be used now in place of the “Consumer Commodity ORM-D” marking and both may be displayed concurrently.

SECTION 15- REGULATORY

15.1 Safety, health, and environmental regulations/ legislations specific for the substance or mixture

U.S. Federal Regulations

OSHA Hazard Communication Standard: This material is classified as a hazardous in accordance with OSHA 29 CFR 1910-1200

TSCA Status: All components of this product are listed on the Toxic Substance Control Act (TSCA) Inventory. This product is not subject to TSCA 12(b) Export Notification.

Superfund Amendments and Reauthorization Act (SARA)

SARA Section 311/312 Hazard Categories: Acute Health Hazard, Fire Hazard, Sudden Release of Pressure Hazard

SARA 313 Information: None of the chemicals in this product exceed the threshold (de minimis) reporting levels established by Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986.

SARA 302/304 Extremely Hazardous Substance: No components of the product exceed the threshold (de minimis) reporting levels established by these sections of the Title III of SARA.

SARA 302/304 Emergency Planning & Notification: No components of the product exceed the threshold (de minimis) report levels established by these sections of the Title III of SARA.

Comprehensive Response Compensation and Liability Act (CERCLA): This product contains the following CERCLA reportable substances: Acetone (CAS #67-64-1): RQ- 2,268 kg (5,000 lbs).

Clean Air Act (CAA) – This product does not contain any chemicals that are listed as a Hazardous Air Pollutant (HAP) designated in CAA Section 112 (b). This product does not contain any Class 1 or Class 2 Ozone depletors.

Clean Water Act (CWA) - Acetone (CAS #101-68-8) is listed as a Hazardous Substance under the CWA. None of the chemicals in these products are listed as Priority Pollutants under the CWA. None of the chemicals listed in these products are listed as Toxic Pollutants under the CWA.

U.S. State Regulations:

California Prop 65, Safe Drinking Water and Toxic Enforcement Act of 1986: This product is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

Other U.S. State Inventories:

Acetone (CAS #67-64-1) is listed on the following State Hazardous Substance Inventories, Right-to-Know lists and/or Air Quality/air Pollutants lists: CA, DE, FL, ID, ME, MA, MN, NJ, PA, RI

Carbon Dioxide (CAS #124-38-9) is listed on the following State Hazardous Substance Inventories, Right-to-Know lists and/or Air Quality/Air Pollutants lists: NJ, MA, PA, RI

Canada

WHMIS Hazard Symbol and Classification:

A- Compressed Gas

B1- Flammable Gas

D2B- Toxic Material causing other toxic effects (Eye Irritant)

Canada

Consumer Chemicals & Containers Regulation Hazard Symbols:

Flammable

Pressurized Container

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

Canadian Ingredient Disclosure List (IDL): Acetone (CAS #67-64-1) is listed on the IDL.

Canadian National Pollutant Release Inventory (NPRI): None of the ingredients are listed on the NPRI

European Economic Community

Labeling (67/548/EEC or 1999/45/EC)

F- Flammable

Xi- Irritant

Risk Phrases: R11- Irritant
R36- Irritating to eyes
R66- Repeated exposure may cause skin dryness or cracking
R67- Vapors may cause drowsiness or dizziness

Safety Phrases: S2- Keep out of reach of children
S9- Keep container in a well-ventilated place
S16- Keep away from sources of ignition
S26- In case of contact with eyes, rinse immediately with plenty of water and seek medical advice

WGK, Germany (Water danger/protection): 1

Global Chemical Inventory Lists:
United States: Toxic Substance Control Act (TSCA)- Yes
Canada: Domestic Substances List (DSL)- Yes
Canada: Non-Domestic Substances List (NDSL)- No
Europe: Inventory of New and Existing Chemicals- (EINECS)- Yes
Australia: Australian Inventory of Chemical Substances (AICS)- Yes
New Zealand: New Zealand Inventory of Chemicals (NZLoC)- Yes
China: Inventory of Existing Chemical Substances in China (IECSC)- Yes
Japan: Inventory of Existing and New Chemical Substances (ENCS)- Yes
Korea: Existing Chemicals List (ECL)- Yes
Philippines: Philippines Inventory of Chemicals and Chemical Substances (PICCS)

15.2 Chemical safety assessment: For this product a chemical safety assessment was not carried out

SECTION 16- OTHER

NFPA: Health Hazard 1; Flammability 3; Reactivity 0
HMIS: Health Hazard 1; Flammability 3; Physical Hazard 0
Hazard Rating: 0=minimal, 1= slight, 2=moderate, 3=severe, 4= extreme

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