



# Safety Data Sheet

SOOT CLEANER SPRAY

SDS Revision Date:

12/12/2022

## 1. Identification

### 1.1. Product identifier

**Product Identity**

SOOT CLEANER SPRAY

**Alternate Names**

35-620, Blended Formula, Soot Cleaner Spray, Soot Remover Spray- 14 oz Aerosol

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

**Intended use**

Spray into heat transfer chamber area of the heating system, secure the system and then start up.

**Application Method**

Read all precautions and instructions carefully before and after use.

### 1.3. Details of the supplier of the safety data sheet

**Company Name**

ComStar International Inc.  
20-45 128th Street,  
College Point, NY 11356

**Telephone No.**

718-445-7900  
800-328-0142  
Fax: 718-353-5998

**Emergency 24 HR response No:** 1-800-424-9300 & 703-527-3887 CHEMTREC

Note: The CHEMTREC phone number is only for emergencies involving spills, leaks, fire, exposure, or accident. Please direct all other inquiries to our customer service phone number.

## 2. Hazard(s) identification

### 2.1. Classification of the substance or mixture Flammable Liquids and Vapor; H225

Press. Gas; H280

Contains gas under pressure; may explode if heated.

Skin Irrit. 2; H315

Causes skin irritation.

Eye Irrit. 2; H319

Causes serious eye irritation.

Muta. 2; H341

Suspected of causing genetic defects.

Carc. 1 B; H350

May cause cancer.

STOT SE 3; H336

May cause drowsiness or dizziness.

Aquatic Chronic 2; H411

Toxic to aquatic life with long lasting effects.

### 2.2. Label elements

Using the Toxicity Data listed in section 11 and 12 the product is labeled as follows.



**Danger**

# Safety Data Sheet

SOOT CLEANER SPRAY

SDS Revision Date:

12/12/2022



H280 Contains gas under pressure; may explode if heated.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H336 May cause drowsiness and dizziness.

H341 Suspected of causing genetic defects.

H350 May cause cancer.

H411 Toxic to aquatic life with long lasting effects.

## **[Prevention]:**

P201 Obtain special instructions before use.

P202 Do not handle until all safety precautions have been read and understood.

P261 Avoid breathing dust / fume / gas / mist / vapors / spray.

P262 Do not get in eyes, on skin, or on clothing.

P264 Wash thoroughly after handling.

P271 Use only outdoors or in a well-ventilated area.

P273 Avoid release to the environment.

P280 Wear protective gloves / eye protection / face protection.

## **[Response]:**

P301+310 If swallowed: Immediately call a poison center or doctor / physician.

P302+352 If on skin: Wash with plenty of soap and water.

P304+312 If inhaled: Call a poison center or doctor / physician if you feel unwell.

P305+351+338 If in eyes: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing.

P308+313 IF exposed or concerned: Get medical advice / attention.

P321 Specific treatment (see information on this label).

P331 Do not induce vomiting.

P332+313 If skin irritation occurs: Get medical advice / attention.

P337+313 If eye irritation persists: Get medical advice / attention.

P340 Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P362 Take off contaminated clothing and wash before reuse.

P391 Collect spillage.

## **[Storage]:**

P403+233 Store in a well-ventilated place. Keep container tightly closed.

P405 Store locked up.

P410 Protect from sunlight.

## **[Disposal]:**

P501 Dispose of contents / container in accordance with local / national regulations.

# Safety Data Sheet

SOOT CLEANER SPRAY

SDS Revision Date:

12/12/2022



## 3. Composition/information on ingredients

This product contains the following substances that present a hazard within the meaning of the relevant State and Federal Hazardous Substances regulations.

Ingredient/Chemical Designations	Weight %	GHS Classification	Notes
PERCHLOROETHYLENE CAS#: 127-18-4	>60	Carc. 2; H351 Aquatic Chronic 2; H411	
PETROLEUM DISTILLATE CAS#: 64742-47-8	<20	Asp Tox 1 Aquat Chronic 2	
NAPHTHA CAS#: 64742-95-6	<20	Not Available	
CARBON DIOXIDE CAS#: 124-38-9	<8	Press GAS H280 Simple Asphyxiant	

In accordance with paragraph (i) of §1910.1200, the specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.

\*The full texts of the phrases are shown in Section 16.

## 4. First aid measures

### 4.1. Description of first aid measures

<b>General</b>	In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.
<b>Inhalation</b>	Remove to fresh air, keep patient warm and at rest. If breathing is irregular or stopped, give artificial respiration. If unconscious place in the recovery position and obtain immediate medical attention. Give nothing by mouth.
<b>Eyes</b>	Irrigate copiously with clean water for at least 15 minutes, holding the eyelids apart and seek medical attention.
<b>Skin</b>	Remove contaminated clothing. Wash skin thoroughly with soap and water or use a recognized skin cleanser.
<b>Ingestion</b>	If swallowed obtain immediate medical attention. Keep at rest. Do NOT induce vomiting.

### 4.2. Most important symptoms and effects, both acute and delayed

<b>Overview</b>	No specific symptom data available. Reproductive or genetic defect hazard. See section 2 for further details.
<b>Inhalation</b>	May cause drowsiness or dizziness.
<b>Eyes</b>	Causes serious eye irritation.
<b>Skin</b>	Causes skin irritation.

## 5. Fire-fighting measures

### 5.1. Extinguishing media

# Safety Data Sheet

SOOT CLEANER SPRAY

SDS Revision Date:

12/12/2022



Use dry chemical, CO<sub>2</sub>, or foam to extinguish fire.

Cool fire exposed container with water.

Water may be ineffective as an extinguishing agent.

## 5.2. Special hazards arising from the substance or mixture

Hazardous decomposition: No hazardous decomposition data available.

Avoid breathing dust / fume / gas / mist / vapors / spray.

Do not get in eyes, on skin, or on clothing.

## 5.3. Advice for fire-fighters

Wear self-contained breathing apparatus and protective clothing.

Aerosols are under pressure. Exposure more than 120 F may cause bursting of can.

## 6. Accidental release measures

### 6.1. Personal precautions, protective equipment, and emergency procedures

Put on appropriate personal protective equipment (see section 8).

### 6.2. Environmental precautions

Do not allow spills to enter drains or waterways.

Use good personal hygiene practices. Wash hands before eating, drinking, smoking, or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

### 6.3. Methods and material for containment and cleaning up

Absorb spill with vermiculite or other inert material, then place in a container for chemical waste.

For Large Spills: Flush spill area with water spray. Prevent run-off from entering drains, sewers, or streams, collect run-off.

## 7. Handling and storage

### 7.1. Precautions for safe handling

Avoid contact with eyes and skin. Wash thoroughly after handling. Do not breathe vapors or fumes.

Prevention of Fire and Explosion: Keep from contact with oxidizing materials, alkalis, and acids. Store away from heat, sunlight, and moisture.

See section 2 for further details. - [Prevention]:

### 7.2. Conditions for safe storage, including any incompatibilities

Handle containers carefully to prevent damage and spillage.

Incompatible materials: Oxidizing agents, alkali metals

See section 2 for further details. - [Storage]:

### 7.3. Specific end use(s)

No data available.

## 8. Exposure controls and personal protection

# Safety Data Sheet

SOOT CLEANER SPRAY

SDS Revision Date:

12/12/2022



## 8.1. Control parameters

### Exposure

CAS No.	Ingredient	Source	Value
127-18-4	PERCHLOROETHYLENE	OSHA	No Established Limit
		ACGIH	TWA: 25 ppm STEL: 100 ppm 2A
		NIOSH	Ca Minimize workplace exposure concentrations
		Supplier	No Established Limit
64742-47-8	PETROLEUM DISTILLATE	OSHA	500 ppm
		ACGIH	100 ppm
		NIOSH	No Established Limit
		Supplier	No Established Limit
64742-95-6	NAPHTHA	OSHA	100 PPM
		ACGIH	100 PPM
		NIOSH	100 PPM
		Supplier	No Established Limit
124-38-9	CARBON DIOXIDE	OSHA	10000 ppm
		ACGIH	5000 ppm
		NIOSH	TWA 5000 ppm (9000 mg/m3) ST 30,000 ppm (54,000 mg/m3)
		Supplier	No Established Limit

## 8.2. Exposure controls

### Respiratory

If engineering controls do not maintain airborne concentrations to an acceptable level, a NIOSH approved respirator must be worn.

Respirator Type: Organic vapor. If respirators are used, a program should be instituted to assure Compliance with OSHA Standard 29 CFR 1910.134.

NIOSH approved respirator must be worn.

Respirator Type: Organic vapor. If respirators are used, a program should be instituted to assure Compliance with OSHA Standard 29 CFR 1910.134.

### Eyes

Safety glasses with side shields, goggles or face shield are recommended.

### Skin

Wear overalls to keep skin contact to a minimum.

### Engineering Controls

Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. Supplementary local exhaust ventilation, closed systems, or respiratory protection may be needed in special circumstances such as poorly ventilated

# Safety Data Sheet

SOOT CLEANER SPRAY

SDS Revision Date:

12/12/2022



spaces, evaporation from large surfaces, spraying, heating, etc. Recommended Decontamination Facilities: Eye bath, washing facilities.

**Other Work Practices** Use good personal hygiene practices. Wash hands before eating, drinking, smoking, or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

See section 2 for further details. - [Prevention]:

## 9. Physical and chemical properties

<b>Appearance</b>	Clear Liquid
<b>Odor</b>	Mild perfumed Citrus
<b>Odor threshold</b>	Not Measured
<b>pH</b>	Not Measured
<b>Melting point / freezing point</b>	Not Measured
<b>Initial boiling point and boiling range</b>	160 F (71 C)
<b>Flash Point</b>	None, TOC
<b>Evaporation rate (Ether = 1)</b>	Not Measured
<b>Flammability (solid, gas)</b>	Not Applicable
<b>Upper/lower flammability or explosive limits</b>	<b>Lower Explosive Limit:</b> 135C(275F): NA <b>Upper Explosive Limit:</b> 199C(390F): NA
<b>Vapor pressure (Pa)</b>	95 psig (at 70 F)
<b>Vapor Density</b>	> 1 (Air = 1)
<b>Specific Gravity</b>	Not Measured
<b>Solubility in Water</b>	Negligible
<b>Partition coefficient n-octanol/water (Log Kow)</b>	Not Measured
<b>Auto-ignition temperature</b>	(ASTM D 2155): NA
<b>Decomposition temperature</b>	Not Measured
<b>Viscosity (cSt)</b>	at 25C/77F: NA
<b>Volatiles (% by weight)</b>	NA
<b>Octanol/Water Partition Coefficient</b>	NA

### 9.2. Other information

No other relevant information.

## 10. Stability and reactivity

### 10.1. Reactivity

Hazardous Polymerization will not occur.

### 10.2. Chemical stability

Stable under normal circumstances.

# Safety Data Sheet

SOOT CLEANER SPRAY

SDS Revision Date:

12/12/2022



### 10.3. Possibility of hazardous reactions

Avoid heat, sparks, flames, and other sources of ignition

### 10.4. Conditions to avoid

Avoid heat, sparks, flames, and other sources of ignition

### 10.5. Incompatible materials

Oxidizing agents, alkali metals

### 10.6. Hazardous decomposition products

No hazardous decomposition data available.

## 11. Toxicological information

### Acute toxicity

Ingredient	Oral LD50, mg/kg	Skin LD50, mg/kg	Inhalation Vapor LC50, mg/L/4hr	Inhalation Dust/Mist LC50, mg/L/4hr	Inhalation Gas LC50, ppm
PERCHLOROETHYLENE (127-18-4)	No data available	No data available	No data available	No data available	No data available
PETROLEUM DISTILLATE (64742-47-8)	>5000, Rat	>3000, Rabbit	>5.2, Rat	No data available	No data available
NAPHTHA (64742-95-6)	2900-3200, Rat	>3160, Rabbit	>5.2, Rat	No data available	No data available
CARBON DIOXIDE (124-38-9)	No data available	No data available	No data available	No data available	No data available

Note: When no route specific LD50 data is available for an acute toxin, the converted acute toxicity point estimate was used in the calculation of the product's ATE (Acute Toxicity Estimate).

Classification	Category	Hazard Description
Acute toxicity (oral)	---	Not Applicable
Acute toxicity (dermal)	---	Not Applicable
Acute toxicity (inhalation)	---	Not Applicable
Skin corrosion/irritation	2	Causes skin irritation.
Serious eye damage/irritation	2	Causes serious eye irritation.
Respiratory sensitization	---	Not Applicable
Skin sensitization	---	Not Applicable
Reproductive toxicity	---	Not Applicable
STOT-single exposure	3	May cause drowsiness or dizziness.
STOT-repeated exposure	---	Not Applicable
Aspiration hazard	---	Not Applicable

# Safety Data Sheet

SOOT CLEANER SPRAY

SDS Revision Date:

12/12/2022



## 12. Ecological information

### 12.1. Toxicity

This product is not expected to be toxic to aquatic organisms.

### Aquatic Ecotoxicity

Ingredient	96 hr. LC50 fish, mg/l	48 hr. EC50 crustacea, mg/l	ErC50 algae, mg/l
PERCHLOROETHYLENE CAS#: 127-18-4	Not Available	Not Available	Not Available
PETROLEUM DISTILLATE CAS#: 64742-47-8	2-5 mg/l	1.4 mg/l	Not Available
NAPHTHA CAS#: 64742-95-6	10 mg/l	4.5 mg/l	Not Available
CARBON DIOXIDE CAS#: 124-38-9	Not Available	Not Available	Not Available

### 12.2. Persistence and degradability

There is no data available on the preparation itself.

### 12.3. Bioaccumulative potential

Not Measured

### 12.4. Mobility in soil

No data available.

### 12.5. Results of PBT and vPvB assessment

This product contains no PBT/vPvB chemicals.

### 12.6. Other adverse effects

No data available.

## 13. Disposal considerations

### 13.1. Waste treatment methods

Observe all federal, state, and local regulations when disposing of this substance.

## 14. Transport information

NOTE: Containers with less than 1-liter liquid are shipped as non-hazardous. LTD QTY

DOT (Domestic Surface  
Transportation)

IMO / IMDG (Ocean  
Transportation)

ICAO/IATA

# Safety Data Sheet

SOOT CLEANER SPRAY

SDS Revision Date:

12/12/2022



<b>14.1. UN number</b>	UN1950	UN1950	UN1950
<b>14.2. UN proper shipping name</b>	UN1950, Aerosols, (each not exceeding 1 L capacity), 2.2,	Aerosols, (each not exceeding 1 L capacity)	Aerosols, (each not exceeding 1 L capacity)
<b>14.3. Transport hazard class(es)</b>	<b>DOT Hazard Class:</b> 2.2	<b>IMDG:</b> 2.2 <b>Sub Class:</b> Not Applicable	<b>Air Class:</b> 2.2
<b>14.4. Packing group</b>	III	III	III
<b>14.5. Environmental hazards</b>			
<b>IMDG</b>			
<b>14.6. Special precautions for user</b>	No further information		

## 15. Regulatory information

<b>Regulatory Overview</b>	The regulatory data in Section 15 is not intended to be all-inclusive, only selected regulations are represented.
<b>Toxic Substance Control Act (TSCA)</b>	All components of this material are either listed or exempt from listing on the TSCA Inventory.
<b>WHMIS Classification</b>	D2A

**US EPA Tier II Hazards**

**Fire:** No  
**Sudden Release of Pressure:** No  
**Reactive:** No  
**Immediate (Acute):** Yes  
**Delayed (Chronic):** Yes

### EPCRA 311/312 Chemicals and RQs (lbs):

Perchloroethylene (100.00)

### EPCRA 302 Extremely Hazardous:

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

### EPCRA 313 Toxic Chemicals:

Perchloroethylene

### Proposition 65 - Carcinogens (>0.0%):

Perchloroethylene

### Proposition 65 - Developmental Toxins (>0.0%):

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

### Proposition 65 - Female Repro Toxins (>0.0%):

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

### Proposition 65 - Male Repro Toxins (>0.0%):

# Safety Data Sheet

SOOT CLEANER SPRAY

SDS Revision Date:

12/12/2022



## New Jersey RTK Substances (>1%):

Trichloroethylene  
Carbon dioxide

## Pennsylvania RTK Substances (>1%):

Perchloroethylene  
Carbon dioxide

## 16. Other information

The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information contained herein. We accept no responsibility and disclaim all liability for any harmful effects which may be caused by exposure to our products. Customers/users of this product must comply with all applicable health and safety laws, regulations, and orders.

The full text of the phrases appearing in section 3 is:

H280 Contains gas under pressure; may explode if heated.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H336 May cause drowsiness and dizziness.

H341 Suspected of causing genetic defects.

H350 May cause cancer.

H351 Suspected of causing cancer.

H411 Toxic to aquatic life with long lasting effects.

H412 Harmful to aquatic life with long lasting effects.

The opinions expressed are those of qualified experts within ComStar International Inc. We believe that the information contained is current as of the date of the Safety Data Sheet. Since the use of this information and of these opinions and the conditions of the use of the product are not within the control of ComStar International Inc., it is the user's obligation to determine the conditions of safe use of the product.

End of Document