



COMPANY IDENTITY: Stinger Chemical, LLC  
 PRODUCT IDENTITY: 602A STINGER® FABRIC CLEANER (AEROSOL)

SDS DATE:03/09/2019  
 ORIGINAL:01/01/2013

**SAFETY DATA SHEET**

**1. Identification**

**Product number** 602A  
**Product identifier** 602A STINGER® FABRIC CLEANER (AEROSOL)  
**Revision date** 03/09/2019  
**Company information** STINGER CHEMICAL, LLC  
 905 LIVE OAK ST  
 HOUSTON, TX 77003 United States  
**Company phone** 713-227-1340  
**Emergency telephone US** 1-866-836-8855  
**Emergency telephone outside US** 1-952-852-4646  
**Version #** 03  
**Supersedes date** 03-09-15  
**Recommended use** Cleaner  
**Recommended restrictions** None known.

**2. Hazard(s) identification**

**Physical hazards** Flammable aerosols Category 1  
**Health hazards** Serious eye damage/eye irritation Category 2  
 Not classified.

**OSHA defined**

**hazards Label**

**elements**



**Signal word** Danger  
**Hazard statement** Extremely flammable aerosol. Causes serious eye irritation.  
**Prevention** 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. Wash thoroughly after handling. Wear eye/face protection.  
**Response** 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.  
**Storage** Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.  
**Disposal** Dispose of contents/container in accordance with local/regional/national/international regulations.  
**Hazard(s) not otherwise classified (HNOC)** Not classified.  
**Environmental hazards** Hazardous to the aquatic environment, acute hazard Category 3  
 Hazardous to the aquatic environment, long-term hazard Category 3

**Supplemental information**

**Hazard statement** Harmful to aquatic life. Harmful to aquatic life with long lasting effects.

**Prevention** Avoid release to the environment.

5.6% of the mixture consists of component(s) of unknown acute hazards to the aquatic environment. 5.6% of the mixture consists of component(s) of unknown long-term hazards to the aquatic environment.

### 3. Composition/information on ingredients

#### Mixtures

Hazardous components Chemical name	Common name and synonyms	CAS number	%
Butane		106-97- 8	2.5 - 10
Diethylene Glycol Monobutyl Ether		112-34- 5	2.5 - 10

Hazardous components Chemical name	Common name and synonyms	CAS number	%
Alcohols, C9-11, ethoxylated Propane		68439-46- 3 74-98-6	1 - 2.5 1 - 2.5 90 - 100

Other components below reportable levels

#: This substance has workplace exposure limit(s).

\*Designates that a specific chemical identity and/or percentage of composition has been withheld as a trade secret.

**Composition comments** The full text for all R-phrases is displayed in Section 16 of the MSDS.

#### 4. First-aid measures

**Inhalation** Move to fresh air. Call a physician if symptoms develop or persist.

**Skin contact** Take off immediately all contaminated clothing. Rinse skin with water/shower. Get medical attention if irritation develops and persists.

**Eye contact** Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician or poison control center immediately.

**Ingestion** Rinse mouth. Get medical attention if symptoms occur.

**Most important symptoms/effects, acute and delayed** Irritant effects. Symptoms may include stinging, tearing, redness, swelling, and blurred vision.

**Indication of immediate medical attention and special treatment needed** Treat symptomatically.

**General information** Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

#### 5. Fire-fighting measures

**Suitable extinguishing media** Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2).

**Unsuitable extinguishing media** Do not use water jet as an extinguisher, as this will spread the fire.

**Specific hazards arising from the chemical** Contents under pressure. Pressurized container may explode when exposed to heat or flame. During fire, gases hazardous to health may be formed.

**Special protective equipment and precautions for firefighters** Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

**Fire-fighting equipment/instructions** Move containers from fire area if you can do so without risk. Containers should be cooled with water to prevent vapor pressure build up.

#### 6. Accidental release measures

**Personal precautions, protective equipment and emergency procedures** Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Wear appropriate protective equipment and clothing during clean-up. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Local authorities should be advised if significant spillages cannot be contained.

**Methods and materials for containment and cleaning up** Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Stop leak if you can do so without risk. Move the cylinder to a safe and open area if the leak is irreparable. Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination. For waste disposal, see section 13 of the MSDS.

**Environmental precautions** Avoid discharge into drains, water courses or onto the ground.

#### 7. Handling and storage

**Precautions for safe handling** Do not handle or store near an open flame, heat or other sources of ignition. All equipment used when handling the product must be grounded. Use non-sparking tools and explosion-proof equipment. Do not spray on a naked flame or any other incandescent material. Use only in well-ventilated areas. Provide adequate ventilation. Avoid contact with eyes.

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

Avoid breathing dust/fume/gas/mist/vapors/spray. Pressurized container: Do not pierce or burn, even after use. Do not use if spray button is missing or defective. Do not re-use empty containers. Observe good industrial hygiene practices.

Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 50°C/122 °F. Do not puncture, incinerate or crush. Keep away from heat, sparks and open flame. Store in a well-ventilated place. Store away from incompatible materials (see Section 10 of the MSDS). Level 1 Aerosol.

**8. Exposure controls/personal protection**

**Occupational exposure limits**

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) Components		
Components	Type	Value
Propane (CAS 74-98-6)	PEL	1800 mg/m3 1000 ppm
US. NIOSH: Pocket Guide to Chemical Hazards Components		
Components	Type	Value
Butane (CAS 106-97-8)	TWA	1900 mg/m3 800 ppm
Propane (CAS 74-98-6)	TWA	1800 mg/m3 1000 ppm

**Biological limit values** No biological exposure limits noted for the ingredient(s).

**Appropriate engineering controls** Explosion-proof general and local exhaust ventilation. Provide eyewash station.

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

**Eye/face protection** Wear safety glasses with side shields (or goggles).

**Hand protection** Wear protective gloves.

**Other** Wear suitable protective clothing.

**Respiratory protection** If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn.

**Thermal hazards** Wear appropriate thermal protective clothing, when necessary.

**General hygiene considerations** When using do not smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

**9. Physical and chemical properties**

**Appearance**

**Color** Translucent.

**Form** Aerosol.

**Physical state** Gas.

**Boiling point** 217.4 °F (103 °C) estimated

**Flash point** -156.00 °F (-104.44 °C) Propellant estimated

**Melting point/freezing point** Not available.

**Odor** Mint-like.

**pH** 10 - 11 estimated

**Solubility(ies)** Not available.

**Vapor density** Not available.

**Vapor pressure** 60 - 80 @ 70F estimated

**Viscosity** Not available.

**Other information**

**Specific gravity** 0.972 estimated estimated

**10. Stability and reactivity**

**Reactivity and transport.** The product is stable and non-reactive under normal conditions of use, storage and transport.

**Chemical stability** Material is stable under normal conditions.

**Possibility of hazardous reactions** No dangerous reaction known under conditions of normal use.

**Conditions to avoid** Avoid heat, sparks, open flames and other ignition sources. Contact with

**11. Toxicological information**

**Information on likely routes of exposure**

**Ingestion** Expected to be a low ingestion hazard.  
**Inhalation** No adverse effects due to inhalation are expected.  
**Skin contact** Causes mild skin irritation.  
**Eye contact** Causes eye irritation.

**Symptoms related to the physical, chemical and toxicological characteristics** Symptoms may include stinging, tearing, redness, swelling, and blurred vision.

**Information on toxicological effects**

**Acute toxicity** Expected to be a low hazard for usual industrial or commercial handling by trained personnel.

Product	Specie	Test Results
<b>s</b>		
Fabric Cleaner Plus (CAS Mixture)		
<b>Acute</b>		
<i>Dermal</i>		
LD50	Rabbit	56250 mg/kg, estimated
	Rat	35029 mg/kg
<i>Inhalation</i>		
LC50	Cat	857.4713 mg/l, If <1L: Consumer Commodity Hours,
	Mouse	24199.2891 mg/l, 2 Hours, estimated 8166.6665 mg/l, 10 Minutes, 3862.0688 mg/l, If <1L: Consumer Commodity Hours,
	Rabbit	8103.4482 mg/l, If <1L: Consumer Commodity Hours,
	Rat	23416.3691 mg/l, 4 Hours, estimated 8735.6328 mg/l, 2 Hours, estimated 5862.0688 mg/l, If <1L: Consumer Commodity Hours, 682 mg/l/4h
LCL0	Cat	5632.1841 mg/l, If <1L: Consumer Commodity Hours,
	Rabbit	5632.1841 mg/l, If <1L: Consumer Commodity Hours,
	Rat	1609.1953 mg/l, If <1L: Consumer Commodity Hours,
<i>Oral</i>		
LD50	Guinea pig	41666.668 mg/kg, estimated
	Mouse	48213.4375 mg/kg, estimated
	Rabbit	45833.332 mg/kg, estimated
	Rat	
<i>Other</i>		
LD50	Mouse	12077.6064 mg/kg, estimated
	Rat	10148.9971 mg/kg, estimated
<b>Components</b>	<b>Species</b>	<b>Test Results</b>
Butane (CAS 106-97-8)		
<b>Acute</b>	LC50	Mouse
<i>Inhalation</i>		Rat
		680 mg/l, 2 Hours
		658 mg/l, 4 Hours

Components	Species	Test Results
Diethylene Glycol Monobutyl Ether (CAS 112-34-5)		
<b>Acute</b>		
<i>Dermal</i>		
LD50	Rabbit	2700 mg/kg
<i>Oral</i>		
LD50	Guinea pig	2000 mg/kg
	Mouse	2400 mg/kg
	Rabbit	2200 mg/kg
	Rat	4500 mg/kg
<i>Other</i>		
LD50	Mouse	850 mg/kg
	Rat	500 mg/kg
Propane (CAS 74-98-6)		
<b>Acute</b>		
<i>Inhalation</i>		
LC50	Rat	> 1442.847 mg/l, 15 Minutes 658 mg/l/4h
<b>Skin corrosion/irritation</b>	Causes mild skin irritation.	
<b>Serious eye damage/eye irritation</b>	Causes eye irritation.	
<b>Respiratory sensitization</b>	Not a respiratory sensitizer.	
<b>Skin sensitization</b>	This product is not expected to cause skin sensitization.	
<b>Germ cell mutagenicity</b>	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.	
<b>Carcinogenicity</b>	This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.	
<b>Reproductive toxicity</b>	This product is not expected to cause reproductive or developmental effects.	
<b>Specific target organ toxicity - single exposure</b>	Not classified.	
<b>Specific target organ toxicity - repeated exposure</b>	Not classified.	
<b>Aspiration hazard</b>	Not an aspiration hazard.	

## 12. Ecological information

**Ecotoxicity** Harmful to aquatic life with long lasting effects.

Product	Species	Test Results
602A STINGER® FABRIC CLEANER (AEROSOL)		
Algae	IC50	Algae 141 mg/L, 72 Hours
Crustace	EC50	Daphni 19687 mg/L, 48 Hours
a Fish	LC50	a Fish 1007 mg/L, 96 Hours
Components	Specie	Test Results
s		
Alcohols, C9-11, ethoxylated (CAS 68439-46-3)		
Aquatic Crustace	Fish	

Diethylene Glycol Monobutyl Ether (CAS 112-34-5)

Crustacea                      EC50                      Daphnia    2850 mg/L, 48 Hours

**Aquatic**  
Fish                                      LC50                      Bluegill (Lepomis macrochirus)    1300 mg/l, 96 hours

**Persistence and degradability** No data is available on the degradability of this product.

**Bioaccumulative potential** No data available.

**Partition coefficient n-octanol / water (log Kow)**

Diethylene Glycol Monobutyl Ether	0.56
Propane	2.36
Butane	2.89

**Mobility in soil** No data available.  
**Other adverse effects** No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

### 13. Disposal considerations

**Disposal instructions** Collect and reclaim or dispose in sealed containers at licensed waste disposal site.  
**Hazardous waste code** The waste code should be assigned in discussion between the user, the producer and the waste disposal company.  
**Waste from residues / unused products** Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).  
**Contaminated packaging** Since emptied containers may retain product residue, follow label warnings even after container is emptied.

### 14. Transport information

#### DOT

**UN number** UN1950  
**UN proper shipping name** Aerosols  
**Transport hazard class(es)** 2.1  
**Subsidiary class(es)** Not available.  
**Packing group** Not available.  
**Special precautions for user** Read safety instructions, SDS and emergency procedures before handling.  
**Labels required** 2.1  
**Special provisions** 153, N82  
**Packaging exceptions** 306  
**Packaging non bulk** None  
**Packaging bulk** None

This product meets the exception requirements of section 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 UN 1950 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.

#### IATA

**UN number** UN1950  
**UN proper shipping name** Aerosols,  
**Transport hazard class(es)** flammable 2.1  
**Subsidiary class(es)** -  
**Packaging group** Not available.  
**Environmental hazards** available.  
**Labels required** No  
**ERG Code** 2.1  
10L  
**Special precautions for user** Read safety instructions, SDS and emergency procedures before handling.  
**Packaging** LTD QTY

#### Exceptions IMDG

**UN number** UN1950  
**UN proper shipping name** AEROSOLS MIXTURE 2  
**Transport hazard class(es)** -  
**Subsidiary class(es)** Not available.  
**Packaging group** No  
**Environmental hazards** Not available.  
**Marine pollutant** F-D, S-U  
**Labels required** EmS

**Special precautions for user** Read safety instructions, SDS and emergency procedures before handling.

**Transport in bulk according to Annex II of** MARPOL 73/78 and the IBC Code



IATA; IMDG



## 15. Regulatory information

**US federal regulations** This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.  
All components are on the U.S. EPA TSCA Inventory List.

**TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)**

Not regulated.

**CERCLA Hazardous Substance List (40 CFR 302.4)**

Not listed.

**US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)**

Not listed.

**SARA 304 Emergency release notification**

Not regulated.

**Superfund Amendments and Reauthorization Act of 1986**

**(SARA) Hazard categories** Immediate Hazard - Yes  
Delayed Hazard - No  
Fire Hazard - Yes  
Pressure Hazard - Yes  
Reactivity Hazard -  
No

**SARA 302 Extremely hazardous substance** No

**SARA 311/312 Hazardous chemical** No

**Other federal regulations**

**Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List**

Not regulated.

**Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)**

Butane (CAS 106-97-8)

Propane (CAS 74-98-6)

**Safe Drinking Water Act (SDWA)** Not regulated.

**Drug Enforcement Administration (DEA). List 2, Essential Chemicals (21 CFR 1310.02(b) and 1310.04(f)(2) and Chemical Code Number**

Not listed.

**Food and Drug Administration (FDA)** Not regulated.

**US state regulations** **US. New Jersey Worker and Community Right-to-Know Act**

Propane (CAS 74-98-6) 500 lbs  
 Butane (CAS 106-97-8)

**US. California** **US. Pennsylvania RTK - Hazardous Substances**  
 Butane (CAS 106-97-8)  
 Propane (CAS 74-98-6)

**Proposition 65** California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

**International Inventories**

Country(s) or region (yes/no)*	Inventory name	On inventory
Australia	Australian Inventory of Chemical Substances (AICS)	No
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China (IECSC)	Inventory of Existing Chemical Substances in China	No
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	No
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No
Korea	Existing Chemicals List (ECL)	No
New Zealand	New Zealand Inventory	No
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	

\*A "Yes" indicates this product complies with the inventory requirements administered by the governing country(s)

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

**16. Other information, including date of preparation or last revision**

**Issue date** 01/01/2013  
**Revision date** 03/09/2019  
**Version #** 03  
**Further information** Not available.

**Disclaimer** The information in the sheet was written based on the best knowledge and experience currently available. 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.

**Revision Information** Revision date, company logo