# SAFETY DATA SHEET

## 1. Identification

**Product number** 603A

**Product identifier** **STINGER® QUICK AUTOMOTIVE RELEASE AGENT & CONDITIONING SPRAY**

**Revision date** 03/23/2018

**Company information**
STINGER CHEMICAL, LLC.
905 LIVE OAK ST
HOUSTON, TX 77003 United States

**Company phone** 1-888-STING IT (7846448)

**Emergency telephone** 1-800-424-9300 CHEMTREC

**Emergency telephone Canada** 1-613-996-6666 CANUTEC

**Recommended use** Coating

**Recommended restrictions** None known.

## 2. Hazard(s) identification

| | | |
|---|---|---|
| **Physical hazards** | Flammable aerosols | Category 1 |
| **Health hazards** | Skin corrosion/irritation | Category 2 |
| | Germ cell mutagenicity | Category 1B |
| | Carcinogenicity | Category 1B |
| | Reproductive toxicity (fertility) | Category 2 |
| | Specific target organ toxicity, repeated exposure | Category 2 |
| | Aspiration hazard | Category 1 |

**OSHA defined hazards** Not classified.

**Label elements**

**Signal word** Danger

**Hazard statement** Extremely flammable aerosol. May be fatal if swallowed and enters airways. Causes skin irritation. May cause genetic defects. May cause cancer. Suspected of damaging fertility. May cause damage to organs through prolonged or repeated exposure.

**Prevention** Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. 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. Do not breathe gas. Wash thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection.

**Response** If swallowed: Immediately call a poison center/doctor. If on skin: Wash with plenty of water. If exposed or concerned: Get medical advice/attention. Specific treatment (see this label). Do NOT induce vomiting. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash before reuse.

**Storage** Store locked up. 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

Hazardous to the aquatic environment, long-term hazard

**Supplemental information**

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

**Prevention** Avoid release to the environment.

**Response** Collect spillage.

Not applicable.

## 3. Composition/information on ingredients

**Mixtures**

**Hazardous components**

| Chemical name | Common name and synonyms | CAS number | % |
|---|---|---|---|
| Butane | | 106-97-8 | 20 - 40 |
| Naphtha (petroleum), hydrotreated light | | 64742-49-0 | 20 - 40 |
| n-Hexane | | 110-54-3 | 10 - 20 |
| Polydimethylsiloxane | | 63148-62-9 | 10 - 20 |
| Propane | | 74-98-6 | 10 - 20 |
| Cyclohexane | | 110-82-7 | 0.1 - 1 |
| Other components below reportable levels | | | 0.1 - 1 |

#: 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.

## 4. First-aid measures

**Inhalation** If symptoms develop move victim to fresh air. Call a physician if symptoms develop or persist.

**Skin contact** Remove contaminated clothing. Wash off with soap and plenty of water. If skin irritation occurs: Get medical advice/attention.

**Eye contact** Rinse with water. Get medical attention if irritation develops and persists.

**Ingestion** Call a physician or poison control center immediately. Rinse mouth. Do not induce vomiting. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. Aspiration may cause pulmonary edema and pneumonitis. Do not use mouth-to-mouth method if victim ingested the substance. Induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device.

**Most important symptoms/effects, acute and delayed** Vapors have a narcotic effect and may cause headache, fatigue, dizziness and nausea. Aspiration may cause pulmonary edema and pneumonitis. Irritant effects. Prolonged exposure may cause chronic effects.

**Indication of immediate medical attention and special treatment needed** Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.

**General information** Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Take off all contaminated clothing immediately. IF exposed or concerned: Get medical advice/attention. Wash contaminated clothing before reuse.

## 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** Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.

**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. For massive fire in cargo area, use unmanned hose holder or monitor nozzles, if possible. If not, withdraw and let fire burn out.

**Specific methods** Use standard firefighting procedures and consider the hazards of other involved materials. Move container from fire area if it can be done without risk. In the event of fire and/or explosion do not breathe fumes.

## 6. Accidental release measures

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

Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Keep out of low areas. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Wear appropriate personal protective equipment. 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. For personal protection, see section 8 of the MSDS.

**Methods and materials for containment and cleaning up**

Refer to attached safety data sheets and/or instructions for use. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Eliminate all ignition sources (no smoking, flares, sparks or flames in immediate area). Keep combustibles (wood, paper, oil, etc.) away from spilled material. Stop leak if you can do so without risk. Move the cylinder to a safe and open area if the leak is irreparable. Isolate area until gas has dispersed. Collect spillage. Prevent entry into waterways, sewer, basements or confined areas. Following product recovery, flush area with water. 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**

Environmental manager must be informed of all major releases. Avoid release to the environment. Contact local authorities in case of spillage to drain/aquatic environment. Prevent further leakage or spillage if safe to do so. Do not contaminate water. Avoid discharge into drains, water courses or onto the ground.

## 7. Handling and storage

**Precautions for safe handling**

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not handle or store near an open flame, heat or other sources of ignition. Pressurized container: Do not pierce or burn, even after use. Do not use if spray button is missing or defective. Do not spray on a naked flame or any other incandescent material. Do not smoke while using or until sprayed surface is thoroughly dry. Do not cut, weld, solder, drill, grind, or expose containers to heat, flame, sparks, or other sources of ignition. All equipment used when handling the product must be grounded. Avoid contact with skin, eyes and clothing. Use non-sparking tools and explosion-proof equipment. Do not re-use empty containers. Do not breathe gas. Do not taste or swallow. Avoid contact with skin. Avoid contact with eyes. Avoid contact during pregnancy/while nursing. Use only in well-ventilated areas. Use personal protective equipment as required. Observe good industrial hygiene practices. When using, do not eat, drink or smoke. Wash thoroughly after handling. Do not empty into drains.

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

Store locked up. Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 50°C/122 °F. Do not puncture, incinerate or crush. Do not handle or store near an open flame, heat or other sources of ignition. This material can accumulate static charge which may cause spark and become an ignition source. Store away from incompatible materials (see Section 10 of the MSDS). Level 3 Aerosol.

## 8. Exposure controls/personal protection

**Occupational exposure limits**

**US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)**

| Components | Type | Value |
|---|---|---|
| Cyclohexane (CAS 110-82-7) | PEL | 1050 mg/m3<br>300 ppm |
| n-Hexane (CAS 110-54-3) | PEL | 1800 mg/m3<br>500 ppm |
| Propane (CAS 74-98-6) | PEL | 1800 mg/m3<br>1000 ppm |

**US. ACGIH Threshold Limit Values**

| Components | Type | Value |
|---|---|---|
| Cyclohexane (CAS 110-82-7) | TWA | 100 ppm |
| n-Hexane (CAS 110-54-3) | TWA | 50 ppm |

**US. NIOSH: Pocket Guide to Chemical Hazards**

| Components | Type | Value |
|---|---|---|
| Butane (CAS 106-97-8) | TWA | 1900 mg/m3<br>800 ppm |
| Cyclohexane (CAS 110-82-7) | TWA | 1050 mg/m3<br>300 ppm |
| n-Hexane (CAS 110-54-3) | TWA | 180 mg/m3<br>50 ppm |
| Propane (CAS 74-98-6) | TWA | 1800 mg/m3<br>1000 ppm |

**Biological limit values**

**ACGIH Biological Exposure Indices**

| Components | Value | Determinant | Specimen | Sampling Time |
|---|---|---|---|---|
| n-Hexane (CAS 110-54-3) | 0.4 mg/l | 2,5-Hexanedion, without hydrolysis | Urine | * |

* - For sampling details, please see the source document.

**Exposure guidelines**

**US - California OELs: Skin designation**

n-Hexane (CAS 110-54-3) Can be absorbed through the skin.

**US ACGIH Threshold Limit Values: Skin designation**

n-Hexane (CAS 110-54-3) Can be absorbed through the skin.

**Appropriate engineering controls** Explosion-proof general and local exhaust ventilation. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

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

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

**Hand protection** Wear protective gloves.

**Other** Wear appropriate chemical resistant 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. If permissible levels are exceeded use NIOSH mechanical filter / organic vapor cartridge or an air-supplied respirator.

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

**General hygiene considerations** When using, do not eat, drink or 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** Compressed liquefied gas.

**Color** clear colorless

**Form** Aerosol.

**Physical state** Gas.

**Boiling point** 125.6 °F (52 °C) estimated

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

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

**Odor** Solvent.

**pH** Not applicable estimated

**Solubility(ies)** Not available.

**Vapor density** Not available.

**Vapor pressure** 40 - 50 psig @ 70F estimated

**Viscosity** Not available.

**Other information**

**Specific gravity** 0.657 estimated estimated

## 10. Stability and reactivity

**Reactivity** 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** Hazardous polymerization does not occur.

**Conditions to avoid** Avoid heat, sparks, open flames and other ignition sources. Avoid temperatures exceeding the flash point. Contact with incompatible materials.

**Hazardous decomposition products** No hazardous decomposition products are known.

## 11. Toxicological information

**Information on likely routes of exposure**

**Ingestion** Fatal if swallowed.

| | |
|---|---|
| **Inhalation** | May be fatal if swallowed and enters airways. Narcotic effects. May cause damage to organs by inhalation. |
| **Skin contact** | Causes skin irritation. |
| **Eye contact** | Direct contact with eyes may cause temporary irritation. |
| **Symptoms related to the physical, chemical and toxicological characteristics** | If aspirated into lungs during swallowing or vomiting, may cause chemical pneumonia, pulmonary injury or death. Irritant effects. May cause central nervous system effects. |

**Information on toxicological effects**

**Acute toxicity** Fatal if swallowed.

| Product | Species | Test Results |
|---|---|---|
| Instant Shine (CAS Mixture) | | |
| **Acute** | | |
| *Dermal* | | |
| LD50 | Rat | 4134 mg/kg |
| *Inhalation* | | |
| LC50 | Mouse | 2765.6409 mg/l, 2 Hours, estimated |
| | Rat | 13856.9131 mg/l, 15 Minutes, estimated |
| | | 2676.1641 mg/l, 4 Hours, estimated |
| | | 941 mg/l/4h |
| *Oral* | | |
| LD50 | Rat | |
| | | 143.2741 g/kg, estimated |
| | Wistar rat | 292.5258 g/kg, estimated |
| *Other* | | |
| LD50 | Mouse | 1299.988 ml/kg, estimated |
| | Rat | 13417.667 mg/kg, estimated |

| Components<br>Species | | Test Results |
|---|---|---|
| Butane (CAS 106-97-8) | | |
| **Acute** | | |
| *Inhalation* | | 680 mg/l, 2 Hours |
| LC50 | Mouse | |
| | Rat | 658 mg/l, 4 Hours |
| Cyclohexane (CAS 110-82-7) | | |
| **Acute** | | |
| *Inhalation* | | |
| NOEL | Monkey | 1243 mg/l, 6 Hours |
| *Oral* | | |
| LD50 | Mouse | 1300 mg/kg |
| | Rat | 29820 mg/kg |
| n-Hexane (CAS 110-54-3) | | |
| **Acute** | | |
| *Inhalation* | | |
| LC50 | Mouse | 48000 mg/l, 4 Hours |
| *Oral* | | |
| LD50 | Rat | 24 g/kg |
| | Wistar rat | 49 g/kg |
| Propane (CAS 74-98-6) | | |
| **Acute** | | |
| *Inhalation* | | |
| LC50 | Rat | > 1442.847 mg/l, 15 Minutes |
| | | 658 mg/l/4h |

* Estimates for product may be based on additional component data not shown.

**Skin corrosion/irritation** Causes skin irritation.

| | |
|---|---|
| **Serious eye damage/eye irritation** | Direct contact with eyes may cause temporary irritation. |
| **Respiratory sensitization** | Not a respiratory sensitizer. |
| **Skin sensitization** | This product is not expected to cause skin sensitization. |
| **Germ cell mutagenicity** | May cause genetic defects. |
| **Carcinogenicity** | May cause cancer. |
| **Reproductive toxicity** | Suspected of damaging fertility. |
| **Specific target organ toxicity - single exposure** | Not classified. |
| **Specific target organ toxicity - repeated exposure** | Respiratory system. Skin. Central nervous system. Eyes. Peripheral nervous system. May cause damage to organs through prolonged or repeated exposure. |
| **Aspiration hazard** | May be fatal if swallowed and enters airways. |
| **Chronic effects** | Prolonged exposure may cause chronic effects. May cause damage to organs through prolonged or repeated exposure. |

## 12. Ecological information

**Ecotoxicity** Toxic to aquatic life with long lasting effects. Accumulation in aquatic organisms is expected.

| Product | | Species | Test Results |
|---|---|---|---|
| (STINGER® QUICK AUTOMOTIVE RELEASE AGENT & CONDITIONING SPRAY) | | | |
| Algae | IC50 | Algae | 9440 mg/L, 72 Hours |
| Crustacea | EC50 | Daphnia | 1123 mg/L, 48 Hours |
| Fish | LC50 | Fish | 16.3458 mg/L, 96 Hours |

| Components | | Species | Test Results |
|---|---|---|---|
| Cyclohexane (CAS 110-82-7) | | | |
| **Aquatic** | | | |
| Fish | LC50 | Fathead minnow (Pimephales promelas) | 23.03 - 42.07 mg/l, 96 hours |
| Polydimethylsiloxane (CAS 63148-62-9) | | | |
| **Aquatic** | | | |
| Fish | LC50 | Channel catfish (Ictalurus punctatus) | 2.36 - 4.15 mg/l, 96 hours |

* Estimates for product may be based on additional component data not shown.

**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)**

| | |
|---|---|
| Propane | 2.36 |
| Butane | 2.89 |
| Cyclohexane | 3.44 |
| n-Hexane | 3.9 |

**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. Contents under pressure. Do not puncture, incinerate or crush. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations.

**Local disposal regulations** Dispose in accordance with all applicable regulations.

**Hazardous waste code** The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

**US RCRA Hazardous Waste U List: Reference**

| | |
|---|---|
| Cyclohexane (CAS 110-82-7) | U056 |

**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, flammable |
| **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** | 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, flammable |
| **Transport hazard class(es)** | 2.1 |
| **Subsidiary class(es)** | - |
| **Packaging group** | Not available. |
| **Environmental hazards** | Yes |
| **Labels required** | 2.1 |
| **ERG Code** | 10L |
| **Special precautions for user** | Read safety instructions, SDS and emergency procedures before handling. |
| **Packaging Exceptions** | LTD QTY |

**IMDG**

| | |
|---|---|
| **UN number** | UN1950 |
| **UN proper shipping name** | AEROSOLS, MARINE POLLUTANT |
| **Transport hazard class(es)** | 2.1 |
| **Subsidiary class(es)** | - |
| **Packaging group** | Not available. |
| **Environmental hazards** | |
| **Marine pollutant** | Yes |
| **Labels required** | 2.1 |
| **EmS** | F-D, S-U |
| **Special precautions for user** | Read safety instructions, SDS and emergency procedures before handling. |
| **Packaging Exceptions** | LTD QTY |

| | |
|---|---|
| **Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** | Not applicable. |

**DOT**


**IATA; IMDG**

**Marine pollutant**

## 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)**

| | |
|---|---|
| Cyclohexane (CAS 110-82-7) | LISTED |
| n-Hexane (CAS 110-54-3) | 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 - Yes
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**

n-Hexane (CAS 110-54-3)

**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**

| | |
|---|---|
| Butane (CAS 106-97-8) | 500 lbs |
| Cyclohexane (CAS 110-82-7) | 500 lbs |
| n-Hexane (CAS 110-54-3) | 500 lbs |
| Propane (CAS 74-98-6) | 500 lbs |

**US. Pennsylvania RTK - Hazardous Substances**

Butane (CAS 106-97-8)
Cyclohexane (CAS 110-82-7)
n-Hexane (CAS 110-54-3)
Propane (CAS 74-98-6)

**US. California Proposition 65**

WARNING: This product contains a chemical known to the State of California to cause cancer and birth defects or other reprod harm.

**International Inventories**

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

*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** 03-23-2015

**Revision date** 01-01-2013

**Version #** 01

**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.