

SECTION 1: Product and company identification

Product name : Citra Solve
Use of the substance/mixture : Aerosol
Degreasing agent
Product code : 837801
Company : Share Corporation
P.O. Box 245013
Milwaukee, WI 53224 - USA
T (414) 355-4000
Emergency number : Chemtrec: (800) 424-9300

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (GHS-US)

Flam. Aerosol 1 H222
Compressed gas H280
Skin Irrit. 2 H315
Eye Irrit. 2A H319
Skin Sens. 1 H317
Asp. Tox. 1 H304

Full text of H-phrases: see section 16

2.2. Label elements

GHS-US labeling

Hazard pictograms (GHS-US) :



Signal word (GHS-US) :

Danger

Hazard statements (GHS-US) :

Extremely flammable aerosol
Contains gas under pressure; may explode if heated
May be fatal if swallowed and enters airways
Causes skin irritation
May cause an allergic skin reaction
Causes serious eye irritation

Precautionary statements (GHS-US) :

Keep away from heat, hot surfaces, Do not smoke, open flames, sparks. - No smoking
Do not spray on an open flame or other ignition source
Pressurized container: Do not pierce or burn, even after use
Avoid breathing dust, fume, gas, mist, spray, vapors
Wash thoroughly after handling
Contaminated work clothing must not be allowed out of the workplace
Wear protective gloves, protective clothing, eye protection, face protection
If swallowed: Immediately call a poison center/doctor/...
If on skin: Wash with plenty of water
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
Specific treatment (see First aid measures on this label)
Do NOT induce vomiting
If skin irritation occurs: Get medical advice/attention
If skin irritation or rash occurs: Get medical advice/attention
If eye irritation persists: Get medical advice/attention
Take off contaminated clothing and wash before reuse
Take off contaminated clothing and wash it before reuse
Store locked up
Protect from sunlight. Store in a well-ventilated place
Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F
Dispose of contents/container to comply with local/regional/national/international regulations

2.3. Other hazards

No additional information available



2.4. Unknown acute toxicity (GHS US)

Not applicable

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

Full text of H-phrases: see section 16

3.2. Mixture

| Name | Product identifier | % | Classification (GHS-US) |
|-------------------------------------------|--------------------|---------|--------------------------------------------------------------------------------------|
| (+)-limonene | (CAS No) 5989-27-5 | 90 - 95 | Flam. Liq. 3, H226 Skin Irrit. 2, H315 Skin Sens. 1, H317 Asp. Tox. 1, H304 |
| carbon dioxide, liquefied, under pressure | (CAS No) 124-38-9 | 1 - 5 | Not classified |

SECTION 4: First aid measures

4.1. Description of first aid measures

- First-aid measures after inhalation : Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.
- First-aid measures after skin contact : Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse.
- First-aid measures after eye contact : Rinse immediately with plenty of water for 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
- First-aid measures after ingestion : Call a physician immediately. Do NOT induce vomiting.

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

- Symptoms/injuries : Causes skin irritation. Causes serious eye irritation. Contents under pressure. May cause an allergic skin reaction.
- Symptoms/injuries after inhalation : Coughing. Headache. Irritation of the respiratory tract.
- Symptoms/injuries after skin contact : Causes skin irritation. May cause an allergic skin reaction.
- Symptoms/injuries after eye contact : Causes serious eye irritation.
- Symptoms/injuries after ingestion : May be fatal if swallowed and enters airways.

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

- Suitable extinguishing media : Water spray. Water fog. Foam.

5.2. Special hazards arising from the substance or mixture

- Fire hazard : Flammable aerosol. Under fire conditions closed containers may rupture or explode.
- Explosion hazard : Bursting aerosol containers may be propelled from a fire at high speed. Pressurized container: may burst if heated. Vapors may travel long distances along ground before igniting/flashing back to vapor source.
- Reactivity : Upon combustion: CO and CO2 are formed.

5.3. Advice for firefighters

- Firefighting instructions : Exercise caution when fighting any chemical fire. Move containers away from the fire area if this can be done without risk. No action shall be taken involving any personal risk or without suitable training. Use water spray or fog for cooling exposed containers.
- Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

- General measures : No flames, No sparks. Eliminate all sources of ignition. Evacuate unnecessary personnel. Isolate from fire, if possible, without unnecessary risk.

6.1.1. For non-emergency personnel

- Protective equipment : Do not enter without an appropriate protective equipment.
- Emergency procedures : Avoid contact with skin, eyes and clothing. Evacuate unnecessary personnel. Keep upwind. Ventilate spillage area.

6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
- Emergency procedures : Stop leak if safe to do so. Stop release. Ventilate area.

6.2. Environmental precautions

Stop leak if safe to do so. Isolate hazard area. Prevent entry to sewers and public waters. Eliminate all ignition sources. Use ventilation/water spray/fog to disperse vapors. Prevent runoff from entering drains, sewers or waterways. Take up liquid spill into inert absorbent material.

6.3. Methods and material for containment and cleaning up

- For containment : Dam up the liquid spill.
- Methods for cleaning up : Carefully collect the spill/leftovers. This material and its container must be disposed of in a safe way, and as per local legislation. Do NOT use clay-type absorbent materials.

6.4. Reference to other sections

No additional information available

SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Additional hazards when processed : Handle empty containers with care because residual vapors are flammable. Pressurized container: Do not pierce or burn, even after use. Keep away from heat, sparks and flame.
- Precautions for safe handling : Avoid contact with skin, eyes and clothing. Intentional misuse by deliberately concentrating and inhaling may be harmful or fatal.
- Hygiene measures : Wash contaminated clothing before reuse.

7.2. Conditions for safe storage, including any incompatibilities

- Technical measures : Do not puncture, incinerate or crush. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- Storage conditions : Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep container tightly closed. Keep cool. Protect from sunlight. Store in a well-ventilated place. Store in a dry place.
- Incompatible products : acids. Inorganic clays (clay-type absorbents). Strong oxidizers.
- Storage temperature : < 49 °C

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

| carbon dioxide, liquefied, under pressure (124-38-9) | | |
|------------------------------------------------------|------------------|-----------------------------------------------------------------------------------------------|
| ACGIH | ACGIH TWA (ppm) | 5000 ppm (Carbon dioxide; USA; Time-weighted average exposure limit 8 h; TLV - Adopted Value) |
| ACGIH | ACGIH STEL (ppm) | 30000 ppm (Carbon dioxide; USA; Short time value; TLV - Adopted Value) |

8.2. Exposure controls

- Appropriate engineering controls : Ensure good ventilation of the work station.
- Personal protective equipment : Gloves. Protective goggles. Use appropriate personal protective equipment when risk assessment indicates this is necessary.



SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

- Physical state : Gas
- Appearance : Aerosol. Clear, colorless liquid.
- Odor : Citrus scent
- Odor threshold : No data available
- pH : No data available
- Melting point : No data available
- Freezing point : No data available
- Boiling point : No data available
- Flash point : 120 °F (liquid portion)
- Relative evaporation rate (butyl acetate=1) : No data available
- Flammability (solid, gas) : No data available
- Explosion limits : No data available
- Explosive properties : No data available

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| | |
|---------------------------------|------------------------|
| Oxidizing properties | : No data available |
| Vapor pressure | : No data available |
| Relative density | : No data available |
| Relative vapor density at 20 °C | : No data available |
| Specific gravity / density | : 0.8 g/ml |
| Solubility | : Emulsifies in water. |
| Log Pow | : No data available |
| Log Kow | : No data available |
| Auto-ignition temperature | : No data available |
| Decomposition temperature | : No data available |
| Viscosity | : No data available |
| Viscosity, kinematic | : < 20 cSt |
| Viscosity, dynamic | : No data available |
| VOC content | : 98 % |

SECTION 10: Stability and reactivity

10.1. Reactivity

Upon combustion: CO and CO₂ are formed.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

No flames, No sparks. Eliminate all sources of ignition. Heat. Welding.

10.5. Incompatible materials

Oxidizing agent. acids. Inorganic clays (clay-type absorbents).

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified

| (+)-limonene (5989-27-5) | |
|---------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|
| LD50 oral rat | 4400 mg/kg body weight (Rat; OECD 423: Acute Oral Toxicity – Acute Toxic Class Method; Literature study; > 2000 mg/kg bodyweight; Rat; Read-across) |
| LD50 dermal rabbit | > 5000 mg/kg body weight (Rabbit; Weight of evidence; Equivalent or similar to OECD 402) |
| ATE CLP (oral) | 4400.000 mg/kg body weight |

| | |
|-----------------------------------|----------------------------------------|
| Skin corrosion/irritation | : Causes skin irritation. |
| Serious eye damage/irritation | : Causes serious eye irritation. |
| Respiratory or skin sensitization | : May cause an allergic skin reaction. |
| Germ cell mutagenicity | : Not classified |
| Carcinogenicity | : Not classified |

| (+)-limonene (5989-27-5) | |
|---------------------------------|----------------------|
| IARC group | 3 - Not Classifiable |

| | |
|----------------------------------------------------|------------------|
| Reproductive toxicity | : Not classified |
| Specific target organ toxicity (single exposure) | : Not classified |
| Specific target organ toxicity (repeated exposure) | : Not classified |

| | |
|--------------------------------------|----------------------------------------------------------------|
| Aspiration hazard | : May be fatal if swallowed and enters airways. |
| Symptoms/injuries after inhalation | : Coughing. Headache. Irritation of the respiratory tract. |
| Symptoms/injuries after skin contact | : Causes skin irritation. May cause an allergic skin reaction. |
| Symptoms/injuries after eye contact | : Causes serious eye irritation. |
| Symptoms/injuries after ingestion | : May be fatal if swallowed and enters airways. |

SECTION 12: Ecological information

12.1. Toxicity

| | |
|------------------------------------------------------|-----------------------------------------------|
| (+)-limonene (5989-27-5) | |
| LC50 fish 1 | 720 µg/l (96 h; Pimephales promelas; Lethal) |
| EC50 Daphnia 1 | 0.36 mg/l (48 h; Daphnia magna; GLP) |
| LC50 fish 2 | 702 µg/l (96 h; Pimephales promelas) |
| Threshold limit algae 1 | 150 mg/l (72 h; Desmodesmus subspicatus; GLP) |
| Threshold limit algae 2 | 2.62 mg/l (72 h; Desmodesmus subspicatus) |
| carbon dioxide, liquefied, under pressure (124-38-9) | |
| LC50 fish 1 | 35 mg/l (LC50; 96 h; Salmo gairdneri) |

12.2. Persistence and degradability

| | |
|------------------------------------------------------|------------------------------------------------------------------------------------|
| (+)-limonene (5989-27-5) | |
| Persistence and degradability | Readily biodegradable in water. Forming sediments in water. Adsorbs into the soil. |
| ThOD | 3.29 g O /g substance |
| carbon dioxide, liquefied, under pressure (124-38-9) | |
| Persistence and degradability | Biodegradability: not applicable. Not applicable (gas). |
| Biochemical oxygen demand (BOD) | Not applicable |
| Chemical oxygen demand (COD) | Not applicable |
| ThOD | Not applicable |

12.3. Bioaccumulative potential

| | |
|------------------------------------------------------|--------------------------------------------------------------------------------------------------|
| (+)-limonene (5989-27-5) | |
| BCF fish 1 | 864.8 - 1022 (Pisces; Fresh weight) |
| Log Pow | 4.38 (Experimental value; OECD 117: Partition Coefficient (n-octanol/water), HPLC method; 37 °C) |
| Bioaccumulative potential | Potential for bioaccumulation (4 Log Kow 5). |
| carbon dioxide, liquefied, under pressure (124-38-9) | |
| Log Pow | 0.83 (Experimental value) |
| Bioaccumulative potential | Bioaccumulation: not applicable. |

SECTION 13: Disposal considerations

13.1. Waste treatment methods

- Waste treatment methods : Contents under pressure. Do not puncture, incinerate or crush.
 Waste disposal recommendations : Dispose of contents/container to comply with local/regional/national regulations.

SECTION 14: Transport information

Department of Transportation (DOT)

- Transport document description : UN1950 Aerosols (flammable, (each not exceeding 1 L capacity)), 2.1
 UN-No.(DOT) : UN1950
 Proper Shipping Name (DOT) : Aerosols
 flammable, (each not exceeding 1 L capacity)
 Transport hazard class(es) (DOT) : 2.1 - Class 2.1 - Flammable gas 49 CFR 173.115
 Hazard labels (DOT) : 2.1 - Flammable gas



- DOT Packaging Non Bulk (49 CFR 173.xxx) : None
 DOT Packaging Bulk (49 CFR 173.xxx) : None
 DOT Special Provisions (49 CFR 172.102) : N82
 DOT Packaging Exceptions (49 CFR 173.xxx) : 306
 DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27) : 75 kg

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DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75) : 150 kg
 DOT Vessel Stowage Location : A
 DOT Vessel Stowage Other : 25 - Shade from radiant heat, 87 - Stow "separated from" Class 1 (explosives) except Division 14, 126 - Segregation same as for Class 9, miscellaneous hazardous materials

Additional information

Other information : This product may be eligible to be shipped as a Limited Quantity or Consumer Commodity ORM-D utilizing the exception found at 49 CFR 173.306.

ADR

No additional information available

Transport by sea

No additional information available

Air transport

No additional information available

SECTION 15: Regulatory information

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory.

This product or mixture does not contain a toxic chemical or chemicals in excess of the applicable de minimis concentration as specified in 40 CFR §372.38(a) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

California Proposition 65 - This product does not contain a substance(s) known to the state of California to cause cancer and/or reproductive toxicity

SECTION 16: Other information

Training advice : Normal use of this product shall imply use in accordance with the instructions on the packaging.

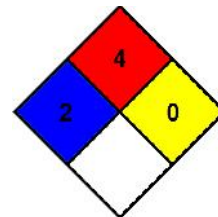
Full text of H-phrases:

| | |
|-----------------|----------------------------------------------------|
| Asp. Tox. 1 | Aspiration hazard Category 1 |
| Compressed gas | Gases under pressure Compressed gas |
| Eye Irrit. 2A | Serious eye damage/eye irritation Category 2A |
| Flam. Aerosol 1 | Flammable aerosol Category 1 |
| Flam. Liq. 3 | Flammable liquids Category 3 |
| Skin Irrit. 2 | Skin corrosion/irritation Category 2 |
| Skin Sens. 1 | Skin sensitization Category 1 |
| H222 | Extremely flammable aerosol |
| H226 | Flammable liquid and vapor |
| H280 | Contains gas under pressure; may explode if heated |
| H304 | May be fatal if swallowed and enters airways |
| H315 | Causes skin irritation |
| H317 | May cause an allergic skin reaction |
| H319 | Causes serious eye irritation |

NFPA health hazard : 2 - Intense or continued exposure could cause temporary incapacitation or possible residual injury unless prompt medical attention is given.

NFPA fire hazard : 4 - Will rapidly or completely vaporize at normal pressure and temperature, or is readily dispersed in air and will burn readily.

NFPA reactivity : 0 - Normally stable, even under fire exposure conditions, and are not reactive with water.



Prepared by: Technical Department

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