

Safety Data Sheet

Issue date: 14.04.2022

v 4

Last Revision Date: 14.04.2022

1 Identification· **Product identifier**· **Trade name: MiST Formula 51 Ultrasonic Cleaning Solution**· **Part number:** 203260, 203261· **Application of the substance / the mixture** automotive A/C deodorizer· **Details of the supplier of the safety data sheet**

CPS Product Inc. - USA

1010 East 31st Street

Hialeah, FL 33013 USA

Phone: (305) 687 - 4121

Email: cs@cpsproducts.com

· **Manufacturer/Supplier:**

CPS Products Inc.

1010 East 31st Street

Hialeah, Florida 33013 USA

Phone: (305) 687- 4121

· **email of person responsible:** cs@cpsproducts.com· **Emergency telephone number:**

CHEMTREC International +1 (703) 527-3887 (outside the US), 1-800-424-9300 (in the US) 24 hr

2 Hazard(s) identification· **Classification of the substance or mixture**

Flammable Liquids 3 H226 Flammable liquid and vapor.

· **Label elements**· **GHS label elements**

The product is classified and labeled according to the Globally Harmonized System (GHS).

· **Hazard pictograms**· **Signal word** Warning· **Hazard statements**

Flammable liquid and vapor.

· **Precautionary statements**

Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

Keep container tightly closed.

Ground container and receiving equipment.

Use explosion-proof electrical equipment.

Use only non-sparking tools.

Take precautionary measures against static discharge.

Wear protective gloves/protective clothing/eye protection/face protection.

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

In case of fire: Use CO2, powder or water spray to extinguish.

Store in a well-ventilated place. Keep cool.

Dispose of contents in accordance with local regulations.

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- **Other hazards**
 - **PBT:** Not applicable.
 - **vPvB:** Not applicable.

3 Composition/information on ingredients· **Chemical characterization: Mixtures**· **Chemical components:**

57-55-6	Propylene glycol	2.5-10%
67-63-0	propan-2-ol	2.5-10%
85409-23-0	C12-C14-Alkyl(ethylbenzyl)dimethylammonium chloride	≤2.5%
7758-19-2	sodium chlorite	≤2.5%

- **Additional information:** For the wording of the listed hazard phrases refer to section 16.

4 First-aid measures· **Description of first aid measures**

- **General information:** Immediately remove any clothing soiled by the product.
- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:**
Immediately wash with water and soap and rinse thoroughly.
Wash with water. If skin irritation occurs, get medical attention.
- **After eye contact:**
Rinse cautiously with water. Remove contact lenses, if present and easy to do. Get medical attention if eye irritation develops or persists.
- **After swallowing:**
Rinse out mouth and then drink plenty of water.
If symptoms persist consult doctor.
- **Information for doctor:** Treat Symptomatically
 - **Most important symptoms and effects, both acute and delayed**
May cause eye irritation. Symptoms may include discomfort or pain, excessive blinking and tear production, with possible redness and swelling.
May cause respiratory tract irritation.
May be harmful if swallowed. May cause stomach distress, nausea or vomiting.
See section 11.
 - **Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

5 Fire-fighting measures· **Extinguishing media**· **Suitable extinguishing agents:**

CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

- **Special hazards arising from the substance or mixture** See section 10 for additional information.

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· **Advice for firefighters**· **Protective equipment:**

Wear full protective firegear including self-containing breathing apparatus operated in the positive pressure mode with full facepiece, coat, pants, gloves and boots. Do not use a water jet.

Wear self-contained respiratory protective device.

Wear fully protective suit.

* **6 Accidental release measures**· **Personal precautions, protective equipment and emergency procedures**

Wear protective equipment. Keep unprotected persons away.

Ensure adequate ventilation

Keep people at a distance and stay upwind.

Avoid eye contact. Avoid repeated or prolonged skin contact.

· **Environmental precautions:**

Prevent seepage into sewage system, workpits and cellars.

Remove ignition sources. Use special care to avoid static electric charges. No naked lights. No smoking.

· **Methods and material for containment and cleaning up:**

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Dispose contaminated material as waste according to item 13.

Isolate spill or leak area immediately.

· **Reference to other sections**

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

* **7 Handling and storage**· **Handling:**· **Precautions for safe handling**

Use only in well ventilated areas.

Use good personal hygiene practices

· **Information about protection against explosions and fires:**

Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

· **Conditions for safe storage, including any incompatibilities**· **Storage:**· **Requirements to be met by storerooms and receptacles:**

See section 10 for incompatible materials.

· **Information about storage in one common storage facility:**

Store in a cool dry place in tightly closed containers.

· **Further information about storage conditions:**

Keep receptacle tightly sealed.

Keep from freezing.

· **Specific end use(s)** No further relevant information available.

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8 Exposure controls/personal protection· **Control parameters**· **Components with limit values that require monitoring at the workplace:****57-55-6 Propylene glycol (2.5-10%)**WEEL (USA) TWA: 10 mg/m³EV (Canada) TWA: 155* 10** mg/m³, 50* ppm
*vapour and aerosol;**aerosol only**67-63-0 propan-2-ol (2.5-10%)**PEL (USA) TWA: 980 mg/m³, 400 ppmREL (USA) STEL: 1225 mg/m³, 500 ppm
TWA: 980 mg/m³, 400 ppmTLV (USA) STEL: 400 ppm
TWA: 200 ppm
BEI, A4EL (Canada) STEL: 400 ppm
TWA: 200 ppmEV (Canada) STEL: 400 ppm
TWA: 200 ppm· **Ingredients with biological limit values:****67-63-0 propan-2-ol (2.5-10%)**BEI (USA) 40 mg/L
Medium: urine
Time: end of shift at end of workweek
Parameter: Acetone (background, nonspecific)· **Additional information:** The lists that were valid during the creation were used as basis.· **Exposure controls**· **Personal protective equipment:**· **General protective and hygienic measures:**

Immediately remove all soiled and contaminated clothing.

Do not inhale dust / smoke / mist.

Clean skin thoroughly immediately after handling the product.

Ensure good ventilation/exhaustion at the workplace.

· **Breathing equipment:**

Use suitable respiratory protective device only when aerosol or mist is formed.

Short term filter device:

Filter AX

· **Protection of hands:**

Chemical resistant protective gloves

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· Eye protection:



Safety glasses. If potential for splash or mist exists, wear chemical goggles or faceshield.

9 Physical and chemical properties

· Information on basic physical and chemical properties

· General Information

· Appearance:

- Form: Liquid
- Color: Light blue
- Odor: lemon scent
- Odor threshold: Not determined.

· pH-value at 20 °C: 9

· Change in condition

- Melting point/Melting range: Undetermined.
- Boiling point/Boiling range: 185 °C

· Flash point: 57.5 °C

· Flammability (solid, gaseous): Not applicable.

- Decomposition temperature: Not determined.

· Auto igniting: Product is not selfigniting.

· Danger of explosion: Not determined.

· Explosion limits:

- Lower: Not determined.
- Upper: Not determined.

· Vapor pressure: Not determined.

- Density at 20 °C: 1 g/cm³
- Relative density at 20 °C: 0.95-1.05
- Vapor density: Not determined.
- Evaporation rate: Not determined.

· Solubility in / Miscibility with

- Water: Not miscible or difficult to mix.

· Partition coefficient (n-octanol/water): Not determined.

· Viscosity:

- Dynamic: Not determined.
- Kinematic: Not determined.

· Solvent separation test

- VOC content: 8.70 %

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· **Other information**

No further relevant information available.

10 Stability and reactivity

- **Reactivity** No further relevant information available.
- **Chemical stability**
 - **Thermal decomposition / conditions to be avoided:**
No decomposition if used according to specifications.
Flammable liquid and vapour. May form flammable/explosive vapour-air mixture.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid**
Heat, open flames, sparks.
Oxidizing agents
- **Incompatible materials:**
Strong Oxidizers, strong acids.
Reducing agents
- **Hazardous decomposition products:** May include, and are not limited to: oxides of carbon.

11 Toxicological information· **Information on toxicological effects**· **Acute toxicity:**· **LD/LC50 values that are relevant for classification:****ATE (Acute Toxicity Estimate)**

Oral	LD50	20,202 mg/kg
Dermal	LD50	23,810 mg/kg

57-55-6 Propylene glycol

Oral	LD50	2,000 mg/kg (rat)
Dermal	LD50	20,800 mg/kg (rabbit)

67-63-0 propan-2-ol

Oral	LD50	5,045 mg/kg (rat)
Dermal	LD50	12,800 mg/kg (rabbit)
Inhalative	LC50/4 h (vapor)	30 mg/L (rat)

85409-23-0 C12-C14-Alkyl(ethylbenzyl)dimethylammonium chloride

Oral	LD50	500 mg/kg (ATE)
Dermal	LD50	1,100 mg/kg (ATE)

7758-19-2 sodium chlorite

Oral	LD50	100 mg/kg (ATE)
Dermal	LD50	50 mg/kg (ATE)

· **Primary irritant effect:**· **on the skin:**

May cause mild skin irritation. Prolonged or repeated skin contact as from clothing wet with material may cause dermatitis. Symptoms may include redness, edema, drying, and cracking of the skin.

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- **on the eye:** May cause eye irritation.
- **Inhalation:** May cause respiratory tract irritation.
- **Ingestion:** May be harmful if swallowed. May cause stomach distress, nausea or vomiting.
- **Sensitization:** No sensitizing effects known.
- **Additional toxicological information:**

· IARC (International Agency for Research on Cancer)		
67-63-0	propan-2-ol	3
7758-19-2	sodium chlorite	3
· NTP (National Toxicology Program)		
None of the ingredients is listed.		
· OSHA-Ca (Occupational Safety & Health Administration)		
None of the ingredients is listed.		

12 Ecological information

- **Toxicity**
 - **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability** No further relevant information available.
 - **Other information:** The product is easily biodegradable.
- **Behavior in environmental systems:**
 - **Bioaccumulative potential** No further relevant information available.
 - **Mobility in soil** No further relevant information available.
- **Additional ecological information:**
 - **General notes:**
 - Water hazard class 2 (Self-assessment): hazardous for water
 - Do not allow product to reach ground water, water course or sewage system.
 - Danger to drinking water if even small quantities leak into the ground.
- **Results of PBT and vPvB assessment**
 - **PBT:** Not applicable.
 - **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

13 Disposal considerations

- **Waste treatment methods**
 - **Recommendation:**
 - Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packagings:**
 - **Recommendation:** Disposal must be made according to official regulations.

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14 Transport information

· UN-Number · DOT, ADR, IMDG, IATA	UN1993
· UN proper shipping name · DOT · TDG · IMDG, IATA	Flammable liquids, n.o.s. (Isopropanol) Not Regulated FLAMMABLE LIQUID, N.O.S. (ISOPROPANOL (ISOPROPYL ALCOHOL))
· Transport hazard class(es) · DOT  · Class · Label	3 Flammable liquids 3
· IMDG, IATA  · Class · Label	3 Flammable liquids 3
· Packing group · DOT, IMDG, IATA · TDG	III Not Regulated
· Environmental hazards: · Marine pollutant:	No
· Special precautions for user · Hazard identification number (Kemler code): · EMS Number: · Stowage Category	Warning: Flammable liquids 30 F-E, S-E A
· Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable.
· Transport/Additional information: · IMDG · Limited quantities (LQ) · Excepted quantities (EQ)	5L Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml

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· **UN "Model Regulation":** UN 1993 FLAMMABLE LIQUID, N.O.S.
(ISOPROPANOL (ISOPROPYL ALCOHOL)), 3, III

15 Regulatory information

· **Safety, health and environmental regulations/legislation specific for the substance or mixture**
No REACH Annex XVII restrictions
Contains no REACH candidate substance

· **Sara**

· **Section 355 (extremely hazardous substances):**

None of the ingredients is listed.

· **Section 313 (Specific toxic chemical listings):**

67-63-0	propan-2-ol
1336-21-6	ammonia

· **TSCA (Toxic Substances Control Act):**

57-55-6	Propylene glycol	ACTIVE
67-63-0	propan-2-ol	ACTIVE
68391-01-5	Quaternary ammonium compounds, benzyl-C12-18-alkyldimethyl, chlorides	ACTIVE
85409-23-0	C12-C14-Alkyl(ethylbenzyl)dimethylammonium chloride	*
7758-19-2	sodium chlorite	ACTIVE
497-19-8	sodium carbonate	ACTIVE
1336-21-6	ammonia	ACTIVE
9003-11-6	Polyethylene-polypropylene glycol	ACTIVE

· **Proposition 65**

· **Chemicals known to cause cancer:**

None of the ingredients is listed.

· **Chemicals known to cause reproductive toxicity for females:**

None of the ingredients is listed.

· **Chemicals known to cause reproductive toxicity for males:**

None of the ingredients is listed.

· **Chemicals known to cause developmental toxicity:**

None of the ingredients is listed.

· **Carcinogenic categories**

· **EPA (Environmental Protection Agency)**

7758-19-2	sodium chlorite	D, CBD
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· **TLV (Threshold Limit Value)**

67-63-0	propan-2-ol	A4
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· **NIOSH-Ca (National Institute for Occupational Safety and Health)**

None of the ingredients is listed.

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· **Canadian substance listings:**· **Canadian Domestic Substances List (DSL)**

All ingredients are listed.

· **Canadian Non-Domestic Substances List (NDSL)**

None of the ingredients is listed.

· **Canadian Ingredient Disclosure list (limit 0.1%)**

None of the ingredients is listed.

· **Canadian Ingredient Disclosure list (limit 1%)**

All ingredients are listed.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· **Contact:** Engineering Department· **Issue Date**

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27/APR/2017

· **Revision Changes:**

v 1.0 - original SDS release (09/JUN/2016)

v 2.0 - revised (28/JUL/2016)

v 3.0 - revised formulation (27/APR/2017)

v 4.0 - revised GHS classification due to flash point added

· **Abbreviations and acronyms:**

ADR: Agreement concerning the International Carriage of Dangerous Goods by Road

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

VOC: Volatile Organic Compounds (USA, EU)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

NIOSH: National Institute for Occupational Safety

OSHA: Occupational Safety & Health

Flammable Liquids 3: Flammable liquids – Category 3

· *** Data compared to the previous version altered.**

NA