

Safety Data Sheet
acc. to OSHA 29 CFR 1910.1200 HCS

Issue date: 06/09/2015

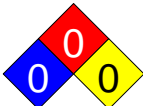
Revision Date: 06/09/2015

1 Identification

- **Product identifier**
 - **Trade name: MiST Ultrasonic Cleaning Solution**
 - **Part number:** 590250
 - **Application of the substance / the mixture**
Deodorizer for automobile air conditioning system
- **Details of the supplier of the safety data sheet**
 - **Manufacturer/Supplier:**
UView Ultraviolet Systems Inc., division of, CPS Products Canada Ltd.
1324 Blundell Road
Mississauga, ON, L4Y 1M5
Canada
Phone: (905) 615-8620
 - **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**
The product is not classified according to the Globally Harmonized System (GHS).
- **Label elements**
 - **GHS label elements** Not Applicable
 - **Hazard pictograms** Not Applicable
 - **Signal word** Not Applicable
 - **Hazard statements** Not Applicable
 - **Additional information:** For Professional Use Only
- **Classification system:**
 - **NFPA ratings (scale 0 - 4)**



Health = 0
Fire = 0
Reactivity = 0
 - **HMIS-ratings (scale 0 - 4)**

HEALTH	0
FIRE	0
REACTIVITY	0

Health = 0
Fire = 0
Reactivity = 0
- **Other hazards**
 - **Results of PBT and vPvB assessment**
 - **PBT:** Not applicable.
 - **vPvB:** Not applicable.

3 Composition/information on ingredients

- **Chemical characterization: Mixtures**
 - **Description:** Mixture: consisting of the following hazardous components.

- **Chemical components:**

112-27-6	2,2'-(ethylenedioxy)diethanol	2.5-<10%
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Safety Data Sheet
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Issue date: 06/09/2015

Revision Date: 06/09/2015

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(Contd. of page 1)

4 First-aid measures

- **Description of first aid measures**
 - **General information:** No special measures required.
 - **After inhalation:** Supply fresh air; consult doctor in case of complaints.
 - **After skin contact:** 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 Systematically
 - **Most important symptoms and effects, both acute and delayed**
No further relevant information available.
 - **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.
- **Advice for firefighters**
 - **Protective equipment:**
Wear self-contained respiratory protective device.
Wear fully protective suit.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**
Ensure adequate ventilation
Keep people at a distance and stay upwind.
Avoid breathing vapors.
Avoid eye contact. Avoid repeated or prolonged skin contact.
- **Environmental precautions:** Do not allow product to reach sewage system or any water course.
- **Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
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

(Contd. on page 3)

Safety Data Sheet
acc. to OSHA 29 CFR 1910.1200 HCS

Issue date: 06/09/2015



Revision Date: 06/09/2015

Trade name: MiST Ultrasonic Cleaning Solution

(Contd. of page 2)

- **Information about protection against explosions and fires:** No special measures required.
- **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.

8 Exposure controls/personal protection

- **Control parameters**
 - **Components with limit values that require monitoring at the workplace:**
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
 - **Additional information:** The lists that were valid during the creation were used as basis.
- **Exposure controls**
 - **Personal protective equipment:**
 - **General protective and hygienic measures:**
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
 - **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:** colorless to pale yellow
 - **Odor:** Chlorine-like
 - **Odour threshold:** Not determined.

(Contd. on page 4)

Safety Data Sheet
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Revision Date: 06/09/2015

Trade name: MiST Ultrasonic Cleaning Solution

(Contd. of page 3)

· pH-value at 20 °C (68 °F):	8
· Change in condition	
· Melting point/Melting range:	Undetermined.
· Boiling point/Boiling range:	288 °C (550 °F)
· Flash point:	Not applicable.
· Flammability (solid, gaseous):	Not applicable.
· Ignition temperature:	355 °C (671 °F)
· Decomposition temperature:	Not determined.
· Auto igniting:	Product is not selfigniting.
· Danger of explosion:	Product does not present an explosion hazard.
· Explosion limits:	
· Lower:	Not determined.
· Upper:	Not determined.
· Vapor pressure:	Not determined.
· Density at 20 °C (68 °F):	0.999 g/cm ³ (8.337 lbs/gal)
· Relative density	Not determined.
· Vapour 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 content:	
· Organic solvents:	5.2 %
· VOC content:	5.2 %
· Other information	No further relevant information available.

10 Stability and reactivity

- Reactivity
 - Chemical stability
 - Thermal decomposition / conditions to be avoided:
 - No decomposition if used according to specifications.
 - Possibility of hazardous reactions No dangerous reactions known.
 - Conditions to avoid Oxidizing agents
 - Incompatible materials:
 - Strong Oxidizers
 - Reducing agents
 - Hazardous decomposition products:
 - Smoke, carbon monoxide, carbon dioxide and other products of incomplete combustion.

US

(Contd. on page 5)

Safety Data Sheet
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Issue date: 06/09/2015

Revision Date: 06/09/2015

Trade name: MiST Ultrasonic Cleaning Solution

(Contd. of page 4)

11 Toxicological information

- **Information on toxicological effects**

- **Acute toxicity:**

- **LD/LC50 values that are relevant for classification:**

MiST Ultrasonic Cleaning Solution		
Oral	LD50	>5000 mg/kg (rat)
Dermal	LD50	>2000 mg/kg (rat)
112-27-6 2,2'-(ethylenedioxy)diethanol		
Oral	LD50	17000 mg/kg (rat)

- **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.

- **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:**

When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

- **Carcinogenic categories**

- **IARC (International Agency for Research on Cancer)**

None of the ingredients is listed.

- **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** Not Determined

- **Additional ecological information:**

- **General notes:** Water hazard class 1 (Self-assessment): slightly hazardous for water

- **Results of PBT and vPvB assessment**

- **PBT:** Not applicable.

- **vPvB:** Not applicable.

- **Other adverse effects** No further relevant information available.

US

(Contd. on page 6)

Safety Data Sheet
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Issue date: 06/09/2015

Revision Date: 06/09/2015

Trade name: MiST Ultrasonic Cleaning Solution

(Contd. of page 5)

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.

14 Transport information

- | | |
|--|-----------------|
| · UN-Number
· DOT, IMDG, IATA | Not Regulated |
| · UN proper shipping name
· DOT, IMDG, IATA | Not Regulated |
| · Transport hazard class(es)
· DOT, IMDG, IATA
· Class | Not Regulated |
| · Packing group
· DOT, IMDG, IATA | Not Regulated |
| · Environmental hazards:
· Marine pollutant: | No |
| · Special precautions for user | Not applicable. |
| · Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code | Not applicable. |
| · UN "Model Regulation": | - |

15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**

- **Sara**

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

None of the ingredients is listed.

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

None of the ingredients is listed.

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

All ingredients are listed.

- **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.

(Contd. on page 7)

Safety Data Sheet
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Issue date: 06/09/2015

Revision Date: 06/09/2015

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(Contd. of page 6)

· **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)**

None of the ingredients is listed.

· **TLV (Threshold Limit Value established by ACGIH)**

None of the ingredients is listed.

· **NIOSH-Ca (National Institute for Occupational Safety and Health)**

None of the ingredients is listed.

- **GHS label elements** Not Applicable
- **Hazard pictograms** Not Applicable
- **Signal word** Not Applicable
- **Hazard statements** Not Applicable

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** June 9, 2015

· **Abbreviations and acronyms:**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
 IMDG: International Maritime Code for Dangerous Goods
 IATA: International Air Transport Association
 GHS: Globally Harmonised System of Classification and Labelling of Chemicals
 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)
 LC50: Lethal concentration, 50 percent
 LD50: Lethal dose, 50 percent

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