



SAFETY DATA SHEET

OSHA HCS (29 CFR 1910.1200)

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Product identifier

Chemical Name	Mixture
CAS No.	Mixture
Trade Name	CYCLONE FIN & COIL CLEANER
Product Code	10-6010

Relevant identified uses of the substance or mixture and uses advised against

Identified Use(s)	Parts Cleaner
Uses Advised Against	None
Company Identification	UTILITY 700 Main Street Westbury, NY 11590

Telephone	1-516-997-6300
Fax	1-516-997-6345
E-Mail (competent person)	info@UtilityChemical.com

Emergency telephone number

Emergency Phone No.	INFOTRAC: (800) 535-5053
---------------------	--------------------------

SECTION 2: HAZARDS IDENTIFICATION

Classification of the substance or mixture

OSHA HCS (29 CFR 1910.1200)	Compressed dissolved gas; Eye Irrit. 2; Skin Irrit. 2; Skin Sens. 1B; Carc. 1B; STOT SE 3
-----------------------------	---

Label elements

Hazard Symbol



DANGER

Signal word(s)

Hazard Statement(s)

Contains gas under pressure; may explode if heated.

Causes serious eye irritation.

Causes skin irritation.

May cause an allergic skin reaction.

May cause cancer.

May cause drowsiness or dizziness.

Obtain special instructions before use.

Do not handle until all safety precautions have been read and understood.

Protect from sunlight and do not expose to temperatures exceeding 50 °C/122 °F.

Wash hands and exposed skin after use.

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

Avoid breathing dust/fume/gas/mist/vapours/spray.

Contaminated work clothing should not be allowed out of the workplace.

Toxic to aquatic life. Toxic to aquatic life with long lasting effects.

Precautionary Statement(s)

Other hazards

CYCLONE FIN & COIL CLEANER - 10-6010 SDS

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Ingredient(s)	% wt.*	CAS No.	Hazard classification
Tetrachloroethylene	45 - 55	127-18-4	Eye Irrit. 2; H319 Skin Irrit. 2; H315 Skin Sens. 1B; H317 Carc. 2; H351 STOT SE 3; H336 Aquatic Acute 2; H401 Aquatic Chronic 2; H411
1,1,2-Trichloroethylene	45 - 55	79-01-6	Eye Irrit. 2; H319 Skin Irrit. 2; H315 Skin Sens. 1B; H317 Carc. 1B; H350 STOT SE 3; H336 Aquatic Acute 3; H402 Aquatic Chronic 3; H412
Carbon tetrachloride	<0.25	56-23-5	Acute Tox. 3; H301, H311, H331 Skin Sens. 1B; H317 Carc. 2; H351 STOT RE 1; H372
1,2-Butylene oxide	<0.25	106-88-7	Flam. Liq. 2; H225 Acute Tox. 4; H302, H312, H332 Skin Irrit. 2; H315 Eye Irrit. 2A; H319 Carc. 2; H351 STOT SE 3; H335
Carbon Dioxide	< 5	124-38-9	Compressed dissolved gas; H280

Additional Information – * The exact percentage withheld as a trade secret in accordance with 29 CFR 1910.1200.

SECTION 4: FIRST AID MEASURES



Description of first aid measures

Inhalation

Move person to fresh air. If breathing is labored, administer oxygen. If symptoms develop, obtain medical attention.

Skin Contact

Wash affected skin with soap and water. If irritation (redness, rash, blistering) develops, get medical attention. Take off contaminated clothing and wash it before reuse.

Eye Contact

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.

Ingestion

Do not give anything by mouth to an unconscious person. Get immediate medical attention.

Most important symptoms and effects, both acute and delayed

May cause an allergic skin reaction.

Indication of any immediate medical attention and special treatment needed

IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

CYCLONE FIN & COIL CLEANER - 10-6010 SDS

Carbon Dioxide	124-38-9	5,000 ppm	5,000 ppm	-----	30,000 ppm	#
----------------	----------	-----------	-----------	-------	------------	---

*300 ppm: Acceptable maximum peak above the acceptable ceiling concentration for an 8-hour shift. 5 min in any 3 hours

**200 ppm: Acceptable maximum peak above the acceptable ceiling concentration for an 8-hour shift. 5 min in any 4 hours

Recommended monitoring method	NIOSH 3704 (Perchloroethylene); NIOSH 1003 (Hydrocarbons, halogenated)
Exposure controls	
Appropriate engineering controls	Ensure adequate ventilation.
Personal protection equipment	
Eye/face protection	Wear protective eyewear (goggles, face shield, or safety glasses).
	
Skin protection (Hand protection/ Other)	Wear suitable gloves if prolonged skin contact is likely. Check with protective equipment manufacturer's data.
	
Respiratory protection	Normally no personal respiratory protection is necessary. In case of insufficient ventilation, wear suitable respiratory equipment. Check with protective equipment manufacturer's data.
	
Thermal hazards	Not normally required. Use gloves with insulation for thermal protection, when needed.
Environmental Exposure Controls	Avoid release to the environment.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Appearance	Aerosol spray
Color.	Colorless
Odor	Mildly sweet odor
Odor Threshold (ppm)	Not available
pH (Value)	Not available
Melting Point (°C) / Freezing Point (°C)	-22 °C (-7.6 °F) (Tetrachloroethylene)
Boiling point/boiling range (°C):	121.4°C (250.52 °F) (Tetrachloroethylene)
Flash Point (°C)	Not available
Evaporation Rate	Not available
Flammability (solid, gas)	Note 1*
Explosive Limit Ranges	Not available
Vapor pressure (Pascal)	1733 @ 25 °C (Tetrachloroethylene)
Vapor Density (Air=1)	5.76 (Tetrachloroethylene)
Density (g/ml)	1.61 @ 25 °C (Tetrachloroethylene)
Solubility (Water)	Not available
Solubility (Other)	Not available
Partition Coefficient (n-Octanol/water)	3.4 (Tetrachloroethylene)
Auto Ignition Point (°C)	Not available
Decomposition Temperature (°C)	Not available
Kinematic Viscosity (cSt)	0.52 mm ² /s @25 °C (Tetrachloroethylene)
Explosive properties	Not explosive.
Oxidizing properties	Not oxidizing.

Other information

*Note 1 - Product is not classified as flammable, but will burn on contact with flame or exposure to high temperature.

CYCLONE FIN & COIL CLEANER - 10-6010 SDS

SECTION 10: STABILITY AND REACTIVITY

Reactivity	Stable under normal conditions.
Chemical stability	Stable.
Possibility of hazardous reactions	None anticipated.
Conditions to avoid	Incompatible materials
Incompatible materials	This product should be stored away from sources of strong heat or oxidizing chemicals. Strong Bases. Metals: Zinc, Aluminum, Potassium, Sodium. Metal Powders: Zinc Powder, Aluminum Powder, Magnesium Powder. Do not store in aluminium or its alloys. Reactions with strong alkali metal hydroxides can form dichloroacetylene which can spontaneously ignite in air.
Hazardous decomposition product(s)	Chlorine, Hydrogen chloride, Phosgene, Carbon monoxide, Carbon dioxide, Acrid smoke

SECTION 11: TOXICOLOGICAL INFORMATION

Exposure routes: Inhalation, Skin Contact, Eye Contact

Information on toxicological effects

Tetrachloroethylene (CAS No. 127-18-4):

Acute toxicity (calculated / estimated)	Oral: LD50 3005-3835 mg/kg-bw Dermal: LD50 >10000 mg/kg-bw Inhalation: LC0 ≥20 mg/l (Vapor), 4-hr. rat - May cause drowsiness or dizziness.
Irritation/Corrosivity	Causes skin irritation. Repeated exposure may cause skin dryness or cracking. Causes serious eye irritation.
Sensitization	May cause an allergic skin reaction.
Repeated dose toxicity	Oral: LOEAL 390-540 mg/kg Inhalation: LOAEC ≥200 ppm
Carcinogenicity	Suspected of causing cancer.

NTP	IARC	ACGIH	OSHA	NIOSH
Reasonably anticipated	2A	A3	No.	No.

Mutagenicity	Not to be expected
Reproductive toxicity	Not to be expected

1,1,2-Trichloroethylene (CAS No 79-01-6):

Acute toxicity	Oral: LD50 >5000 mg/kg-bw Dermal: LD50 >2000 mg/kg-bw Inhalation: LC0 ≥12500 ppm (Vapor), 4-hr. rat - May cause drowsiness or dizziness.
Irritation/Corrosivity	Causes skin irritation. Causes serious eye irritation.
Sensitization	May cause an allergic skin reaction.
Repeated dose toxicity	Oral: NOEAL = 750 mg/kg Dermal: NOEAL = 0.5 ml/kg bw Inhalation: NOAEL ≥1000 mg/m3
Carcinogenicity	May cause cancer.

NTP	IARC	ACGIH	OSHA	NIOSH
Reasonably anticipated	2A	A2	No.	Yes

Mutagenicity	Not to be expected
Reproductive toxicity	Not to be expected

Carbon Tetrachloride (CAS No 79-01-6):

CYCLONE FIN & COIL CLEANER - 10-6010 SDS

NTP	IARC	ACGIH	OSHA	NIOSH
Reasonably anticipated	2B	A2	No.	Yes

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity

Tetrachloroethylene (CAS No. 127-18-4):

Short term	LC50 (96 hour): 5 mg/L (<i>Limanda limanda</i>) EC50 (48 hour): 8.5 mg/L (<i>Daphnia magna</i>) EC50 (72 hour): 3.64 mg/L (<i>Chlamydomonas reinhardtii</i>)
Long Term	NOEC (28 days): 2.34 mg/L (<i>Jordanella floridae</i>) NOEC (28 days): 0.51 mg/L (<i>Daphnia magna</i>) LOEL (72 hour): 3.64 mg/L (<i>Chlamydomonas reinhardtii</i>)

1,1,2-Trichloroethylene (CAS No 79-01-6):

Short term	LC50 (96 hour): 28.3 mg/L (<i>Jordanella floridae</i>) IC50 (48 hour): 20.8 mg/L (<i>Daphnia magna</i> , mobility) EC50 (72 hour): 36.5 mg/L (<i>Chlamydomonas reinhardtii</i>)
Long Term	MATC (28 days): 20.9 mg/L (<i>Jordanella floridae</i>) EC50 (72 hour): 36.5 mg/L (<i>Chlamydomonas reinhardtii</i>)

Persistence and degradability

The product is likely to persist in the environment.

Bioaccumulative potential

The product has no potential for bioaccumulation.

Results of PBT and vPvB assessment

The product has high mobility in soil.

Other adverse effects

Not classified as PBT or vPvB.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste treatment methods

Disposal should be in accordance with local, state or national legislation. Consult an accredited waste disposal contractor or the local authority for advice.

SECTION 14: TRANSPORT INFORMATION

	<u>U.S. DOT</u>	<u>Sea transport (IMDG)</u>	<u>Air transport (ICAO/IATA)</u>
UN number	1950	1950	1950
Proper Shipping Name	Aerosols	Aerosols	Aerosols
Transport hazard class(es)	2.2	2.2	2.2
Packing group	Not applicable	Not applicable	Not applicable
Environmental hazards	None assigned	None assigned	None assigned
Special precautions for user	None assigned	None assigned	None assigned

Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: Not applicable

SECTION 15: REGULATORY INFORMATION

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

TSCA (Toxic Substance Control Act) - Inventory Status: All components listed or polymer exempt.

Designated Hazardous Substances and Reportable Quantities (40 CFR 302.4):

Chemical Name	CAS No.	Typical %wt.	RQ (Pounds)
Tetrachloroethylene	127-18-4	45 -55	100
1,1,2-Trichloroethylene	79-01-6	45 - 55	100
Carbon tetrachloride	56-23-5	<0.25	10

CYCLONE FIN & COIL CLEANER - 10-6010 SDS

1,2-Butylene oxide	106-88-7	<0.25	100
--------------------	----------	-------	-----

SARA 311/312 - Hazard Categories:

Fire
 Sudden Release
 Reactivity
 Immediate (acute)
 Chronic (delayed)

SARA 313 - Toxic Chemicals (40 CFR 372):

Chemical Name	CAS No.	Typical %wt.
Tetrachloroethylene	127-18-4	45 - 55
1,1,2-Trichloroethylene	79-01-6	45 - 55
Carbon tetrachloride	56-23-5	<0.25
1,2-Butylene oxide	106-88-7	<0.25

SARA 302 - Extremely Hazardous Substances (40 CFR 355):

Chemical Name	CAS No.	Typical %wt.	TPQ (pounds)
None	----	----	----

California Proposition 65 List:

Chemical Name	CAS No.	Type of Toxicity
Tetrachloroethylene	127-18-4	Cancer
Carbon tetrachloride	56-23-5	Cancer
1,1,2-Trichloroethylene	79-01-6	Cancer
Methyleugenol (trace)	93-15-2	Cancer

SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements: 1-16.

Date of preparation: March 25, 2015

Hazard Statement(s) and Risk Phrases Listed in:

Hazard Statement(s)

- H225: Highly flammable liquid and vapor.
- H280: Contains gas under pressure; may explode if heated.
- H301: Toxic if swallowed.
- H302: Harmful if swallowed.
- H311: Toxic in contact with skin.
- H312: Harmful in contact with skin.
- H315: Causes skin irritation.
- H317: May cause an allergic skin reaction.
- H319: Causes serious eye irritation.
- H331: Toxic if inhaled.
- H332: Harmful if inhaled.
- H335: May cause respiratory irritation.
- H336: May cause drowsiness or dizziness.
- H350: May cause cancer.
- H351: Suspected of causing cancer.
- H372: Causes damage to organs through prolonged or repeated exposure.
- H401: Toxic to aquatic life.
- H402: Harmful to aquatic life.
- H411: Toxic to aquatic life with long lasting effects.
- H412: Harmful to aquatic life with long lasting effects.

Training advice: None.

Disclaimer

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. Information on this form is furnished solely for the purpose of compliance with the Occupational Safety and Health Act and shall not be used for any other purpose. **UTILITY** urges the customers receiving this Safety Data Sheet to study it carefully to become aware of the hazards, if any, of the product involved. In the interest of safety, you should notify your employees, agents, and contractors of the information on the sheets. The information herein has been compiled from sources believed to be reliable, up-to-date, and is accurate to the best of our knowledge. However, **UTILITY** cannot give any guarantees regarding information from other sources, and expressly does not make warranties, nor assumes any liability for its use.