

ISO-10
SAFETY DATA SHEET
IsoKlean, LLC
EPA Reg No: 92031-1
Issue Date:

Product name: Iso-10

Print Date: November 10, 2019

1. Identification

Product Identifier	Iso - 10
Other means of identification	
Product code/number	Iso-10. IsoKlean
1.2 Recommended use	Hospital, Institutional and Industrial Disinfectant
Recommended restrictions	For industrial use only
1.3 Manufacturer/Importer/Supplier/Distributor information	
Manufacturer	
Company name	CarrollClean
Address	2900 West Kingsley Road Garland, Texas 75041 EPA Est. No: 4313-TX-1
Telephone	800-527-5722
Emergency phone number	Medical 770-810-2009

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

Acute toxicity, Oral (Category 4), H302
Acute toxicity, inhalation (Category 2)
Skin corrosion (Category 1B), H314
Serious eye damage (Category 1), H318
Acute aquatic toxicity (Category 1), H400
Chronic aquatic toxicity (Category 1), H410
Oxidizing solids (Category 2), H272
Specific target organ toxicity - single exposure (Category 3), Respiratory system, H335
For the full text of the H-Statements mentioned in this Section, see Section 16.

2.2 GHS Label elements, including precautionary statements

Pictogram



Signal word	Danger
Hazard statement(s)	
H314	Causes severe skin burns and eye damage.
H272	May intensify fire; oxidizer.
H335	May cause respiratory irritation.
H411	Toxic to aquatic life with long lasting effects.
Precautionary statement(s)	
P260	Do not breathe dust or mist.

P301 + P330 + P331	IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
P303 + P361 + P353	IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower.
P210	Keep away from heat.
P273	Avoid release to the environment.
P280	Wear protective gloves/ protective clothing/ eye protection/ face protection.
P304 + P340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P332 + P313	If skin irritation occurs: Get medical advice/ attention.
P337 + P313	If eye irritation persists: Get medical advice/ attention.
P362	Take off contaminated clothing and wash before reuse.
P501	Dispose of contents/ container to an approved waste disposal plant.

2.3 Hazards not otherwise classified (HNOC) or not covered by GHS - none

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances (as percent of total content of product)

Chemical Name	CAS Number	% Content in Iso-10 Product
N-Alkyl (C14- 95%, C12-3%, C16 -2%,) dimethyl benzyl ammonium chloride dihydrate	139-08-2	78.05
Trichloromelamine	7673-09-8	15.53
Alkyl (60% C14, 30% C16, 5% C12, 5% C18) dimethyl benzyl ammonium chloride	68391-01-5	1.22
Alkyl (68% C12, 32% C14) dimethyl ethyl benzyl ammonium chloride	68956-79-6	1.22
Other Ingredients	N/A	3.98

Hazardous Components

For the full text of the H-Statements mentioned in this Section, see Section 16.

Component (as individually packaged)	Classification	Concentration
N2,N4,N6-Trichloro-2,4,6-triamino-s-triazine	Ox. Sol. 2; Acute Tox. 4; Skin Irrit. 2; Eye Irrit. 2A; STOT SE 3; Aquatic Acute 2; Aquatic Chronic 2; H272, H302, H315, H319, H335, H411	100%
N-Alkyl (C14 95%, C12-3%, C16 2%, C12 3%) dimethyl benzyl ammonium chloride	Acute Tox. 4; Skin Corr. 1B; Eye Dam. 1; Aquatic Acute 1; Aquatic Chronic 1; H302, H314, H410	100%
Alkyl (60% C14, 30% C16, 5% C12, 5% C18) dimethyl benzyl ammonium chloride and Alkyl (68% C12, 32% C14) dimethyl ethyl benzyl ammonium chloride	Acute Tox. 3; Acute Tox. Inhalation 2; Skin Irrit. 1; Eye Dam. 1; STOT SE 2; Aquatic Chronic 1	20%, 20%

4. FIRST AID MEASURES

4.1 Description of first aid measures

General advice

Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

If inhaled

If breathed in, move person into fresh air and rest. If not breathing, give artificial respiration. Do not use mouth to mouth method if victim inhaled the substance. Consult a physician.

In case of skin contact

Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water. Consult a physician. Wash contaminated clothing before reuse.

In case of eye contact

Immediately rinse thoroughly with plenty of water for at least 15 minutes and consult a physician. Remove contact lenses if present and easy to do. Continue rinsing eyes during transport to hospital.

If swallowed

Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

4.2 Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

4.3 Indication of any immediate medical attention and special treatment needed

No data available

5. FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical, water fog or carbon dioxide.

5.2 Special hazards arising from the substance or mixture

Carbon oxides, nitrogen oxides (NO_x), Hydrogen chloride gas. Explosion hazard: Avoid generating dust; fine dust dispersed in air in sufficient concentrations and in the presence of an ignition source is a potential dust explosion hazard. During fire, gases hazardous to health may be formed.

5.3 Advice for firefighters

Wear self-contained breathing apparatus for firefighting if necessary. Do not breathe fumes. In the event of fire, cool tanks with water spray. Move containers from fire area if possible.

5.4 Further information

Use water spray to cool unopened containers.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Avoid dust formation. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust. Immediately evacuate all personnel to safe areas. Immediately evacuate personnel to safe areas. Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Dust deposits should not be allowed to accumulate on surfaces, as these may form an explosive mixture if they are released into the atmosphere in sufficient concentration. Use only non-sparking tools. Use a NIOSH/MSHA approved respirator if there is a risk of exposure to dust/fume at levels exceeding the exposure limits. Wear appropriate protective equipment and clothing during clean-up. Do not breathe dust. 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 SDS.

6.2 Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

6.3 Methods and materials for containment and cleaning up

Pick up and arrange disposal without creating dust and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations (see section 13). Keep in suitable, closed containers for disposal. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Take precautionary measures against static discharge. Use only non-sparking tools. This material is classified as a water pollutant under the Clean Water Act and should be prevented from contaminating soil or from entering sewage and drainage systems which lead to waterways.

Large Spills: Collect spillage. If sweeping of a contaminated area is necessary use a dust suppressant agent which does not react with the product. Sweep up or vacuum up spillage and collect in suitable container for disposal. Collect dust using a vacuum cleaner equipped with HEPA filter. Avoid dispersal of dust in the air (i.e., clearing dust surfaces with compressed air). Minimize dust generation and accumulation. Large Spills: Wet down with water and dike for later disposal. Following product recovery, flush area with water. For waste disposal, see section 13 of the SDS.

6.4 Reference to other sections

For disposal see section 13.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Avoid contact with skin and eyes. Handling and processing operations should be conducted in accordance with 'best practices' (e.g. NFPA-654). Provide appropriate exhaust ventilation at places where dust is formed. Do not breathe dust. Do not get this material in contact with eyes. Do not get this material in contact with skin. Observe good industrial hygiene practices. For precautions see section 2.2.

7.2 Conditions for safe storage, including any incompatibilities

DO NOT CONTAMINATE WATER, FOOD OR FEED BY STORAGE OR DISPOSAL. Keep away from heat, sparks and open flame. (See Section 10 of the SDS).

7.3 Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Components with workplace control parameters

Contains no substances with occupational exposure limit values.

8.2 Exposure controls

Appropriate engineering controls

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday. Ensure adequate ventilation, especially in confined areas.

Personal protective equipment

Eye/face protection

Safety glasses with side-shields conforming to EN166.

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection

Handle with gloves. Wash and dry hands.

Body Protection

None.

Respiratory protection

None.

Control of environmental exposure

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

9. PHYSICAL AND CHEMICAL PROPERTIES

Trichloromelamine: (Includes CAS 7673-09-8)

- | | |
|-------------------------|--|
| a) Appearance Form: | crystalline |
| b) Color: | beige |
| c) Odor | no data available |
| d) PH | no data available |
| e) Water solubility | no data available |
| f) Oxidizing properties | The substance or mixture is classified as oxidizing with the category 2. |

Quaternary Ammonium: (Includes CAS 139-08-2)

- | | |
|---------------------------------|-------------------|
| a) Appearance Form: | powder |
| b) Color: | white |
| c) Odor | no data available |
| d) Odor Threshold | no data available |
| e) PH | no data available |
| f) Melting point/freezing point | |

Melting point/range: 63 - 65 °C (145 - 149 °F) - lit.

Quaternary Ammonium - 3rd Substance (Includes CAS number 85409-23-0)

- a) Appearance Form: powder
b) Color: white
c) Odor: no data available
d) PH: 7.5 (10% aqueous solution)
e) Evaporation rate: Estimated slower than ethyl ether
f) Flammability (solid, gas): no data available

9.2 Other safety information

No data available

10. STABILITY AND REACTIVITY

10.1 Reactivity: The product is stable and non-reactive under normal conditions of use, storage and transport.

10.2 Chemical stability: Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions: No dangerous reaction known under conditions of normal use.

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

10.5 Incompatible materials: Strong oxidizing agents, Strong reducing agents, Anionic surfactants

10.6 Hazardous decomposition products: Upon decomposition, this product may yield oxides of nitrogen and ammonia, carbon dioxide, carbon monoxide and other low molecular weight hydrocarbons. In the event of fire: see section 5

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects acute toxicity

LD50 Oral - mouse - 490 mg/kg

Dermal: no data available no data available

Ingestion

Toxic if swallowed. Causes digestive tract burns

Skin corrosion/irritation

Causes severe skin burns

Serious eye damage/eye irritation

Causes serious eye damage

Respiratory or skin sensitization

Not likely, due to the form of this product

Germ cell mutagenicity

No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive toxicity

No data available no data available

Specific target organ toxicity - single exposure

Fatal if inhaled. Toxic if swallowed.

Specific target organ toxicity - repeated exposure

May cause damage to organs

Aspiration hazard

No data available

Additional Information

RTECS: XZ1575000

Cough, Shortness of breath, Headache, Nausea, Vomiting, Central nervous system depression, narcosis

Stomach - Irregularities - Based on Human Evidence

Stomach - Irregularities - Based on Human Evidence

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

12. ECOLOGICAL INFORMATION

12.1 Toxicity

Toxicity to fish LC50 - Oncorhynchus mykiss (rainbow trout) - 2.0 mg/l - 96 h
LC50 – Crustacea-.016 mg/l – 48 h
LC50 – Fish- 0.86 ppm, 96 h
EC50 – Algae - .063 mg/l – 96 h
EC50 - Daphnia magna (Water flea) - 1.2 mg/l - 48 h

Toxicity to daphnia, algae and other aquatic invertebrates

12.2 Persistence and degradability	Readily biodegradable
12.3 Bioaccumulative potential	no data available
12.4 Mobility in soil	no data available
12.5 Results of PBT and vPvB assessment	PBT/vPvB assessment not available as chemical safety assessment not required/not conducted
12.6 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

Very toxic to aquatic life.

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Toxic to aquatic life.
No data available

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods Product

Offer surplus and non-recyclable solutions to a licensed disposal company.

Contaminated packaging

Dispose of as unused product.

14. TRANSPORT INFORMATION

First Component Substance: Trichloromelamine (TCM): CAS 7673-09-8)

DOT (US)

UN number: 1479 Class: 5.1 Packing group: II
Proper shipping name: Oxidizing solid, n.o.s. (N2,N4,N6-Trichloro-2,4,6-triamino-s-triazine) Marine pollutant: No
Poison Inhalation Hazard: No

IMDG

UN number: 1479 Class: 5.1 Packing group: II EMS-No: F-A, S-Q Proper shipping name: OXIDIZING SOLID, N.O.S. (N2,N4,N6-Trichloro-2,4,6-triamino-s-triazine) Marine pollutant: No

IATA

UN number: 1479 Class: 5.1 Packing group: II
Proper shipping name: Oxidizing solid, n.o.s. (N2,N4,N6-Trichloro-2,4,6-triamino-s-triazine)

Second and Third Component Substances – Quaternary Ammonium Compounds: (Include CAS 139-08-2, 139-07-1, 122-18-9, 6839101-5, 8956-79-6)

DOT (US)

UN number: 3261 Class: 8 Packing group: III
Proper shipping name: Corrosive solid, acidic, organic, n.o.s. (N-Alkyl (C14 95%, C16 2%, C12 3%) dimethyl benzyl ammonium chloride)
Reportable Quantity (RQ):
Marine pollutant: No
Poison Inhalation Hazard: No

IMDG

UN number: 3261 Class: 8 Packing group: III EMS-No: F-A, S-B

Proper shipping name: CORROSIVE SOLID, ACIDIC, ORGANIC, N.O.S. (N-Alkyl (C14 95%, C16 2%, C12 3%) dimethyl benzyl ammonium chloride)

Marine pollutant: No

IATA

UN number: 3261 **Class:** 8 **Packing group:** III

Proper shipping name: Corrosive solid, acidic, organic, n.o.s. (N-Alkyl (C14 95%, C16 2%, C12 3%) dimethyl benzyl ammonium chloride)

DOT (US)

UN number: 2923 **Class:** 8 **Subsidiary risk:** 6.1 **Packing group:** II

Proper shipping name: Corrosive solids, toxic, N.O.S. (Quaternary ammonium chloride)

Marine pollutant: No

Poison Inhalation Hazard: No

Special precautions for user Read safety instructions, SDS and emergency procedures before handling.

IMDG

UN number: 2923 **Class:** 8 **Subsidiary risk:** 6.1 **Packing group:** II **EMS-No:** F-A, S-Q **Proper shipping name:** OXIDIZING SOLID, N.O.S. Corrosive solids, toxic, N.O.S. (Quaternary ammonium chloride)

Environmental hazards: Marine pollutant: yes **EmS:** F-E, S-C

Special precautions for user Read safety instructions, SDS and emergency procedures before handling.

IATA

UN number: 2923 **Class:** 8 **Subsidiary risk:** 6.1 **Packing group:** II

Proper shipping name: Oxidizing solid, Corrosive solids, toxic, N.O.S. (Quaternary ammonium chloride)

Environmental Hazards: yes

Special precautions for user Read safety instructions, SDS and emergency procedures before handling.

15. REGULATORY INFORMATION SARA 302 Components

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components

US federal regulations This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

CERCLA Hazardous Substance List (40 CFR 302.4) Not listed.

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050) Not listed.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories:

Immediate Hazard - Yes

Delayed Hazard - No

Fire Hazard - Yes

Pressure Hazard - No

Reactivity Hazard - No

SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

SARA 311/312 Hazards

Reactivity Hazard, Acute Health Hazard

Massachusetts Right To Know Components

No components are subject to the Massachusetts Right to Know Act.

Pennsylvania Right To Know Components

N-Alkyl (C14 95%, C16 2%, C12 3%) dimethyl benzyl ammonium chloride

CAS-No. 139-08-2,

N2, N4, N6-Trichloro-2,4,6-triamino-s-triazine
CAS numbers: 57-13-6, 68391-01-5, 68956-79-6

New Jersey Right To Know Components

N-Alkyl (C14 95%, C16 2%, C12 3%) dimethyl benzyl ammonium chloride

CAS-No.

139-08-2

N2, N4, N6-Trichloro-2,4,6-triamino-s-triazine

CAS numbers: 57-13-6, 68391-01-5, 68956-79-6

California Prop. 65 Components

CAS-No. 7673-09-8

CAS-No. 139-08-2

CAS numbers: 57-13-6, 68391-01-5, 68956-79-6

US. California Proposition 65

California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

16. OTHER INFORMATION

Full text of H-Statements referred to under sections 2 and 3.

Acute Tox.	Acute toxicity
Aquatic Acute	Acute aquatic toxicity
Aquatic Chronic	Chronic aquatic toxicity
Eye Irrit.	Eye irritation
Eye Dam.	Serious eye damage
H272	May intensify fire; oxidizer.
H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H318	Causes serious eye damage.
H400	Very toxic to aquatic life.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H401	Toxic to aquatic life.
H411	Toxic to aquatic life with long lasting effects.

HMIS Rating

Health hazard:	3
Chronic Health Hazard:	*
Flammability:	0
Physical Hazard	2

NFPA Rating

Health hazard:	3
Fire Hazard:	0
Reactivity Hazard:	0

