Material Safety Data Sheet

OCC
Oxygen Cleaning Compound

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FOR CHEMICAL EMERGENCY
Call INFOTRAC
800/535-5053 (24 HOURS)

Section I: Product Identification

Product name:	OCC
Synonym:	Oxygen Cleaning Compound
Molecular Formula:	Mixture

The "Plain English" Section

Material Safety Data Sheets can be confusing. Federal law requires us to print a great deal of technical information, which probably won't help the non-scientist. ECOLINK includes this "PLAIN ENGLISH" section, written to address the questions and concerns of the average person. If you have additional health, safety or product questions, don't hesitate to call us at 800/886-8240.

Health Hazards: OCC is an industrial chemical. We call it "environmentally preferred" because it is intended to replace products that are more hazardous, (1,1,1 trichloroethane, mineral spirits, MEK, etc.). This does not mean that it is completely harmless. It is strong enough to remove tough industrial soils, so it can irritate your skin. We suggest you wear gloves and avoid extended exposure to unprotected skin. Don't get it in your eyes, or breath large amounts of the vapor, (it will dry out your nasal passages). Used on a rag or from a spray bottle, the product won't produce fumes in any great quantity, (don't spray it under high pressure without adequate ventilation). For more exposure and first aid information, please read the complete MSDS.

Flashpoint: None.

Disposal: Straight from the drum, OCC is not considered hazardous waste. Once it is contaminated with whatever you clean, the resulting mixture may fall under a hazardous classification, depending on whether or not the material you are cleaning is hazardous. If you aren't sure how to dispose of this material, give us a call and we will help you make the right decisions.

Section II: Hazardous Components

Chemical Name	Polysilicate Anions
CAS No.	1344-09-8
Approx. wt.%	9.3 to 10%
Exposure	ACGIH-TLV – N/E OSHA-PEL – N/E

RCRA REGULATED:	No
CERCLA (superfund):	N/A
ALL MATERIALS IN PRODUCT ARE TSCA LISTED.	
DOT Regulated:	No
DOT Haz. Class:	N/A
DOT Shipping Name:	N/A
DOT Number:	N/A

Section III: Physical Data

Appearance & Odor:	Clear water-white liquid, odorless.
Boiling Point:	240°F
Evaporation Rate:	<1
Solubility In Water:	Complete
Specific Gravity:	1.099
Vapor Density (AIR=1):	0.4
Vapor Pressure (psia.):	17mm Hg
Percent Volatile:	85%
VOC	0.0 gm/l
pH	11.9 -11.99

Section IV: Fire and Explosion Hazard Data

Flash Point (Method):
Bulk Liquid (TCC) None

Flammable Limits:
LEL N/D
UEL N/D

Extinguishing Media:
Water spray or fog, foam, dry chemical or CO2.

Special Fire Fighting Procedures:
Keep fire-exposed containers cool with water spray. Wear chemical resistant clothing and NIOSH/MSHA-approved SCBA (As recommended by the NFPA).

Unusual Fire & Explosion Hazards:
None known

Section V: Reactivity Data

Stability: Stable

Conditions to Avoid for Polymerization:
None

Conditions to Avoid for Stability:
Avoid contact with acids

Incompatibility (materials to avoid) :
Acids

Hazardous Decomposition:
Oxides of silicone

Hazardous Polymerization:
Will not occur.

Section VI: Health Hazard Data

Primary Routes of Exposure:
Oral, inhalation, & skin

Ingestion:
Will cause nausea, vomiting and abdominal pain. May cause painful swallowing, profuse salivation, and burns to the mouth, esophagus, stomach and lower G.I. tract.

Inhalation:
Under certain conditions, may cause breathing discomfort, such as sneezing, coughing, and irritation.

Eyes:
Will cause redness, irritation and burns (11 < pH < 12)

Skin or Contact:
May cause severe irritation and burns; in milder cases will cause a skin rash. Also, will cause cold and clammy skin with bluish or pale color.

After 96 hour exposure to 5000 ppm of OCC, 100% of fathead minnows survived.

First Aid:

Medical Conditions
Aggravated by Exposure: Pre-existing skin & respiratory conditions may be aggravated.

Ingestion: DO NOT INDUCE VOMITING. If victim is conscious, administer 4-8 oz. of water to dilute stomach contents. Rinse mouth thoroughly. Get immediate medical attention.

Inhalation: Move victim to fresh air. If breathing is difficult, give oxygen. If breathing has stopped, administer artificial respiration (mouth to mouth is preferred) if trained – get immediate medical attention.

Eyes: Flush immediately with water for at least 15 minutes. Get immediate medical attention.

Skin: Flush immediately with water for at least 15 minutes. If irritation occurs and persists, get medical attention. If burns occur, wrap in dry, sterile dressings and get immediate medical attention.

Carcinogen: NTP – Not Listed
IARC Monographs – None
OSHA REGS – Not Regulated

Section VII: Precautions for Safe Handling

HMIS Information:
Health – 1 Reactivity – 0
Flammability – 0 Personal Protection – H

HMIS Definition:
0 – Minimal 1 – Slight 2 – Moderate 3 – Serious 4 – Extreme
"/" in the Health Category denotes material does not target any major organs.
"*" In the Health Category denotes material may target certain organs.
* target organ toxin - lung-aspiration hazard.

Eye Protection:
Always use eye protection when handling chemicals. If excessive splashing is expected, use a face shield during handling. Provide eyewash solutions.

Protective Gloves:
Neoprene, rubber or PVC.

Respiratory Protection:
If product is heated above 200°F, the use of NIOSH/MSHA-approved respiratory protection is recommended. (Refer to CFR 1910.134).

Ventilation: General mechanical ventilation or local exhaust is recommended. Use forced ventilation if respiratory discomfort is noted.

Other Protective Clothing: If excessive splashing is expected, use a rubber apron during handling. Provide local emergency showers.

Work Practices: Avoid eye/skin contact and breathing of vapors/mist. All users should consult the MSDS before handling this product (11 < pH < 12). Wash hands and face after handling this material. Remove contaminated clothing and flush exposed skin areas thoroughly with water. Launder contaminated clothing before re-use.

Section VIII: Control Measures

Spills: Neutralize spill with dilute muriatic or acetic acid, absorb with inert material and place into proper containers for disposal. Comply with all spill notification regulations. All response activities must comply with HAZWOPER (Refer to 29CFR 1910.120).

Waste Disposal Method: Dispose of waste in compliance with local, state and federal regulations. Recycle waste where applicable.

Precautions To Be Taken In Handling & Storing: Store in a cool, dry place. Store away from acids and oxidizers. Keep containers closed when not in use.
Avoid eye/skin contact and breathing of vapors (11 < pH < 12).

Maintenance Precautions: Clean all contaminated equipment before starting any repair work.

Other Precautions: Keep this and all chemicals out of the reach of children.

Section IX: Part Numbers & Packaging

Product Name	Part No.	Packaging	National Stock No.
OCC	380	55 Gal Drum	6850-01-389-3880
OCC	381	5 Gal Pail	6850-01-389-3859

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END OF MSDS