

OCTOWET 75X

Version 2.1 Revision Date: 03/31/2017 MSDS Number: F000000642 Date of last issue: 05/29/2015
Date of first issue: 05/05/2015

SECTION 1. IDENTIFICATION

Product name : OCTOWET 75X

Product code : F000000642

Manufacturer or supplier's details

Company name of supplier : Tiarco Chemical Company

Address : 1300 Tiarco Drive
Dalton GA 30721

Emergency telephone number : (CHEMTREC): (800) 424-9300 (CHEMTREC International):
(703) 527-3887 Industrial Health/Spill Emergency: (706) 277-1300 Danny Welch (ehs@trcc.com)

SECTION 2. HAZARDS IDENTIFICATION**GHS Classification**

Flammable liquids : Category 3
Skin irritation : Category 2
Eye irritation : Category 2A

GHS Label element

Hazard pictograms :



Signal word : Warning

Hazard statements : H226 Flammable liquid and vapour.
H315 Causes skin irritation.
H319 Causes serious eye irritation.

Precautionary statements : **Prevention:**
P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P233 Keep container tightly closed.
P240 Ground/bond container and receiving equipment.
P241 Use explosion-proof electrical/ ventilating/ lighting/ equipment.
P242 Use only non-sparking tools.
P243 Take precautionary measures against static discharge.

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P264 Wash skin thoroughly after handling.
 P280 Wear protective gloves/ eye protection/ face protection.
Response:
 P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
 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.
 P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.
Storage:
 P403 + P235 Store in a well-ventilated place. Keep cool.
Disposal:
 P501 Dispose of contents/ container to an approved waste disposal plant.

Other hazards
 None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous components

Chemical Name	CAS-No.	Concentration (%)
ethanol	64-17-5	>= 5 - < 10

SECTION 4. FIRST AID MEASURES

If inhaled	: Move to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Call a physician or poison control centre immediately.
In case of skin contact	: Wash off immediately with plenty of water for at least 15 minutes. Remove contaminated clothing. If irritation develops, get medical attention.
In case of eye contact	: Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses. Seek medical advice.
If swallowed	: Do not induce vomiting. If conscious, give 2 glasses of water. Get immediate medical attention. Never give anything by mouth to an unconscious person.

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Most important symptoms and effects, both acute and delayed : None known.

SECTION 5. FIREFIGHTING MEASURES

- Suitable extinguishing media : Foam
Carbon dioxide (CO₂)
Dry chemical
ABC powder
Water mist
- Specific hazards during fire-fighting : Do not use a solid water stream as it may scatter and spread fire.
Cool closed containers exposed to fire with water spray.
Burning produces irritant fumes.
Exposure to decomposition products may be a hazard to health.
- Specific extinguishing methods : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Use water spray to cool unopened containers.
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.
- Special protective equipment for firefighters : Wear a positive-pressure supplied-air respirator with full face-piece.
Use personal protective equipment.

SECTION 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions, protective equipment and emergency procedures : Remove all sources of ignition.
Keep people away from and upwind of spill/leak.
Ventilate the area.
Use personal protective equipment.
- Environmental precautions : Prevent further leakage or spillage if safe to do so.
Try to prevent the material from entering drains or water courses.
Do not allow contact with soil, surface or ground water.
- Methods and materials for containment and cleaning up : Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13).
Pick up and transfer to properly labelled containers.
Clean contaminated surface thoroughly.

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SECTION 7. HANDLING AND STORAGE

- Advice on protection against fire and explosion : Use only in well-ventilated areas. Keep away from sources of ignition - No smoking. Potentially hazardous vapors could accumulate above the liquid in closed containers and bulk storage vessels. Closed containers may combust/explode when exposed to extreme heat.
- Advice on safe handling : Avoid inhalation, ingestion and contact with skin and eyes. Take care to avoid waste and spillage when weighing, loading and mixing the product. Keep away from fire, sparks and heated surfaces.
- Conditions for safe storage : Keep containers tightly closed in a cool, well-ventilated place. Keep away from sources of ignition - No smoking. Do not store together with oxidizing and self-igniting products. Keep in properly labelled containers.
- Materials to avoid : Do not store together with oxidizing and self-igniting products. Do not freeze. Keep away from food and drink. Keep away from tobacco products.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**Components with workplace control parameters**

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
ethanol	64-17-5	TWA	1,000 ppm	ACGIH
		TWA	1,000 ppm 1,900 mg/m ³	NIOSH REL
		TWA	1,000 ppm 1,900 mg/m ³	OSHA Z-1
		TWA	1,000 ppm 1,900 mg/m ³	OSHA P0

- Engineering measures** : Handle only in a place equipped with local exhaust (or other appropriate exhaust). Maintain air concentrations below occupational exposure standards.

Personal protective equipment

- Respiratory protection : No personal respiratory protective equipment normally required. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. In case of mist, spray or aerosol exposure wear suitable personal respiratory protection and protective suit. Use NIOSH approved respiratory protection.

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Hand protection Material	: Impervious gloves
Eye protection	: Chemical resistant goggles must be worn. Face-shield
Skin and body protection	: Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place. Complete head face and neck protection Boots
Protective measures	: When using do not eat, drink or smoke. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	: liquid
Colour	: clear
Odour	: slight
pH	: 5.0 - 7.0
Melting point/range	: No data available
Boiling point/boiling range	: No data available
Flash point	: 90 - 140 °F
Vapour pressure	: No data available
Density	: 1,070 kg/m ³
Solubility(ies) Water solubility	: slightly soluble
Solubility in other solvents	: Not applicable
Partition coefficient: n-octanol/water	: No data available
Explosive properties	: Not applicable

SECTION 10. STABILITY AND REACTIVITY

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Reactivity	: Stable
Possibility of hazardous reactions	: Stable under recommended storage conditions.
Conditions to avoid	: Protect from frost. Heat, flames and sparks.
Incompatible materials	: Oxidizing agents Strong acids and strong bases
Hazardous decomposition products	: Carbon dioxide (CO ₂), carbon monoxide (CO), oxides of nitrogen (NO _x), dense black smoke.

SECTION 11. TOXICOLOGICAL INFORMATION

Acute toxicity**Product:**

Acute oral toxicity	: LD50 (Rat): 3,100 mg/kg Remarks: Components influencing toxicology The value is given in analogy to the following substances: ethanol
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	: LD50 (Rat): > 4,100 mg/kg Remarks: Components influencing toxicology The value is given in analogy to the following substances: SUCCINIC ACID, SULFO-, 1,4-DIOCTYL ESTER
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Acute inhalation toxicity	: (Rat): > 20 mg/l Exposure time: 4 h Remarks: Components influencing toxicology The value is given in analogy to the following substances: ethanol
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Acute dermal toxicity	: LD50 (Rabbit): > 10,000 mg/kg Remarks: Components influencing toxicology The value is given in analogy to the following substances: SUCCINIC ACID, SULFO-, 1,4-DIOCTYL ESTER
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	: LD50 (Rabbit): > 2,000 mg/kg Remarks: Components influencing toxicology The value is given in analogy to the following substances: ethanol
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Skin corrosion/irritation**Product:**

Assessment: Irritating to skin.

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Serious eye damage/eye irritation**Product:**

Result: irritating

Respiratory or skin sensitisation**Product:**

Remarks: This information is not available.

Carcinogenicity**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.

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.

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.

SECTION 12. ECOLOGICAL INFORMATION**Ecotoxicity****Product:**

Toxicity to fish	:	LC50 (Oncorhynchus mykiss (rainbow trout)): 10 - 100 mg/l Exposure time: 96 h Method: OECD Test Guideline 203
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Toxicity to daphnia and other aquatic invertebrates	:	(Daphnia magna (Water flea)): 10 - 100 mg/l Exposure time: 42 h Method: OECD Test Guideline 202
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Persistence and degradability

No data available

Bioaccumulative potential

No data available

Mobility in soil

No data available

Other adverse effects

No data available

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SECTION 13. DISPOSAL CONSIDERATIONS**Disposal methods**

- Waste from residues : Waste must be classified and labelled prior to recycling or disposal.
Do not contaminate ponds, waterways or ditches with chemical or used container.
The product should not be allowed to enter drains, water courses or the soil.
Dispose of as hazardous waste in compliance with local and national regulations.
- Contaminated packaging : Do not burn, or use a cutting torch on, the empty drum.
Store containers and offer for recycling of material when in accordance with the local regulations.
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SECTION 14. TRANSPORT INFORMATION**International Regulation****IATA-DGR**

- UN/ID No. : UN 1993
Proper shipping name : Flammable liquid, n.o.s.
(ETHANOL)
Class : 3
Packing group : III
Labels : Flammable Liquids
Packing instruction (cargo aircraft) : 366
Packing instruction (passenger aircraft) : 355

IMDG-Code

- UN number : UN 1993
Proper shipping name : FLAMMABLE LIQUID, N.O.S.
Class : 3
Packing group : Not assigned by regulation
Labels : 3
EmS Code : 128
Marine pollutant : no

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

National Regulations**49 CFR**

- UN/ID/NA number : UN 1993
Proper shipping name : FLAMMABLE LIQUIDS, N.O.S.

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	(ETHANOL)
Class	: CBL
Packing group	: III
ERG Code	: 128
Marine pollutant	: no

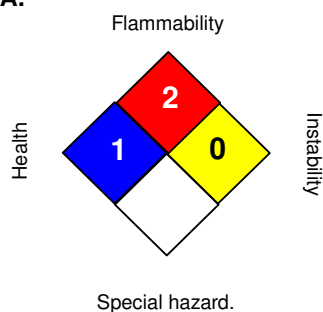
SECTION 15. REGULATORY INFORMATION

- SARA 302** : No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.
- 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.
- California Prop 65** This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

SECTION 16. OTHER INFORMATION

Further information

NFPA:



HMIS III:

HEALTH	1
FLAMMABILITY	3
PHYSICAL HAZARD	0

0 = not significant, 1 =Slight,
2 = Moderate, 3 = High
4 = Extreme, * = Chronic

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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.

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