

SAFETY DATA SHEET

SDS PREP DATE: 5/1/2020

SDS REVISION DATE: 5/1/2020

Product ID: ML-X638-4.8199

3137 E. 26th Street
Vernon, CA 90058
(323) 266-7111

24-Hour Emergency Telephone: (800) 255-3924

This Safety Data Sheet contains environmental, health and toxicology information for your employees. Please make sure this information is given to them. It also contains information to help you meet community Right To Know emergency response reporting requirements under SARA TITLE III and many other laws. If you resell this product, this SDS must be given to the buyer or the information incorporated in your SDS.

Section 1: Company and Product Identification

The Starco Group
3137 E. 26th Street
Vernon, CA 90058
(323) 266-7111

24-Hour Emergency Telephone: (800) 255-3924

Product ID: ML-X638-4.8199

Product Name: Opti-Clean 7 (4x1 gal)

Intended Use: No Rinse Cleaner

Section 2: Hazard(s) Identification

Product Signal Word: DANGER

Physical Hazard Classification: Corrosive to Metals
May be corrosive to metals.

Physical Hazard Precautionary Statements:

- Keep only in original container.
- Absorb spillage to prevent material damage.
- Store in corrosive resistant container with a resistant inner liner.

Health Hazard Classification(s):

- Acute Toxicity - Oral - Level 4
- Acute Toxicity - Dermal - Level 4
- Acute Toxicity - Inhalation - Level 1 & 2
- Skin Corrosion/Irritation -Level 2
- Eye Damage/Irritation -Level 1
- Specific Target Organ Toxicity (Repeated Exposure) -
- Hazardous to the Aquatic Environment -Acute Hazard
- Hazardous to the Aquatic Environment - Chronic

Health Hazard Statements:

- Harmful if swallowed.
- Harmful in contact with skin.



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Causes skin irritation.

Causes serious eye damage.

Fatal if inhaled.

May cause damage to organs through prolonged or repeated exposure.

Very toxic to aquatic life.

Harmful to aquatic life with long lasting effects.



First-Aid Statement(s):

IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.

IF ON SKIN: Wash with plenty of water.

IF INHALED: Remove person to fresh air and keep comfortable for breathing.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Immediately call a POISON CENTER/doctor/physician.

Call a POISON CENTER/doctor/physician if you feel unwell.

Get medical advice/attention if you feel unwell.

See section 12 if specific treatment is applicable.

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If skin irritation occurs: Get medical advice/attention.

Take off contaminated clothing.

Wash contaminated clothing before reuse.

Handling and Storage Statement(s):

Avoid release to the environment.

[In case of inadequate ventilation] wear respiratory protection.

Store in a well-ventilated place. Keep container tightly closed.

Store locked up.

Exposure Control / Personal Protection Statement(s):

Do not breathe dust/fume/gas/mist/vapours/spray.

Wash hands and exposed areas thoroughly after handling.



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Do not eat, drink or smoke when using this product.
Use only outdoors or in a well-ventilated area.
Wear protective gloves/protective clothing/eye protection/face protection.
[In case of inadequate ventilation] wear respiratory protection.

Disposal Statement(s):

Dispose of contents/container in accordance with local regulations.

Section 3: Product Composition

	CAS#	% Range		PEL	TLV
INERT MATERIAL	7732-18-5	80%	100%	NOT ESTABLISHED	NOT ESTABLISHED
ALCOHOL ETHOXYLATED	68439-51-0	0%	5%	N/D	N/D
ETHANOL, DENATURED ALCOHOL	64-17-5	0%	5%	1,000 ppm	1,000 ppm
Sodium Lauryl Sarcosinate	137-16-6	0%	5%	NE	NE
LINEAR ALCOHOL ETHOXYLATE	68439-46-3	0%	5%	ND	ND

Specific chemical identity and exact percentages are withheld as Trade Secret.

Section 4: First-Aid Measures

IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.
IF ON SKIN: Wash with plenty of water.
IF INHALED: Remove person to fresh air and keep comfortable for breathing.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Immediately call a POISON CENTER/doctor/physician.
Call a POISON CENTER/doctor/physician if you feel unwell.
Get medical advice/attention if you feel unwell.
See section 12 if specific treatment is applicable.
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If skin irritation occurs: Get medical advice/attention.
Take off contaminated clothing.
Wash contaminated clothing before reuse.

PERMISSIBLE EXPOSURE LEVEL: See Section III Components

EFFECTS OF ACUTE OVEREXPOSURE:

EYES: Causes severe damage and even blindness very rapidly.
SKIN: Causes burns, possible ulceration.

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BREATHING: Mist or dust can cause damage to nasal and respiratory passages.

SWALLOWING: Results in severe damage to mucous membranes and deep tissues, can result in death on penetration to vital areas.

FIRST AID:

IF ON SKIN: Immediately flush exposed area with water for at least 15 minutes, get medical attention. Remove contaminated clothing. Launder contaminated clothing before re-use.

IF ON EYES: Immediately flush with large amounts of water for 15 minutes, lifting upper and lower lids occasionally. Get immediate medical attention. If physician is not immediately available, continue flushing with water.

IF SWALLOWED: DO NOT INDUCE VOMITING. Vomiting will cause further damage to throat. Dilute by giving water. Give milk of magnesia. Keep warm, quiet. get medical attention immediately.

IF BREATHED: If affected, remove individual to fresh air. If breathing difficult, administer oxygen. If breathing has stopped give artificial respiration. Keep person warm, quiet and get medical attention.

PRIMARY ROUTE(S) OF ENTRY: Inhalation, skin contact.

Section 5: Fire-Fighting Measures

FLASH POINT: Not applicable

EXPLOSIVE LIMIT: Not applicable

EXTINGUISHING MEDIA: Water, carbon dioxide or dry chemical

HAZARDOUS DECOMPOSITION PRODUCTS: May form toxic material: hydrogen chloride, acid vapors, etc.

FIREFIGHTING PROCEDURES: Wear self-contained breathing apparatus with a full face piece operated in the positive pressure demand mode and full body protection when fighting fires.

SPECIAL FIRE & EXPLOSION HAZARDS: Acids reacts with most metals to release hydrogen gas which can form explosive mixtures with air.

Section 6: Accidental Release Measures

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

SMALL SPILL: Cover the contaminate surface with sodium bicarbonate or a soda ash/slaked lime mixture (50-50). Mix and add water if necessary to form a slurry. Scoop up slurry and wash site with soda ash solution.

LARGE SPILLS: Persons not wearing protective equipment should be excluded from area of spill until clean-up is completed. Stop spill at source. Dike to prevent spreading.

WASTE DISPOSAL METHOD:

SMALL SPILL: Flush down drain with large amounts of water in accordance with applicable regulations.

LARGE SPILLS: Collect and add slowly to large volume of agitated solution of soda ash and slaked lime. Add neutralized solution to excess running water in accordance with applicable regulations.

Section 7: Handling and Storage

Avoid release to the environment.

[In case of inadequate ventilation] wear respiratory protection.

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Store in a well-ventilated place. Keep container tightly closed.

Store locked up.

RESPIRATORY PROTECTION: If workplace exposure limit(s) of product or any component is exceeded (see section II), a NIOSH/MSHA approved supplied respirator is advised in absence of proper environmental control. OSHA regulations also permit other NIOSH/MSHA respirators (negative pressure type) under specified conditions. Engineering or administrative controls should be implemented to reduce exposure.

VENTILATION: Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below TLV(S).

PROTECTIVE GLOVES: Wear resistant gloves such as: Natural rubber, neoprene.

EYE PROTECTION: Chemical splash goggles and face shield (8" min) in compliance with osha regulations are advised; however OSHA regulations also permit other type safety glasses.

OTHER PROTECTIVE EQUIPMENT: To prevent skin contact, wear impervious clothing and boots.

Section 8: Exposure Control / Personal Protection

Do not breathe dust/fume/gas/mist/vapours/spray.

Wash hands and exposed areas thoroughly after handling.

Do no eat, drink or smoke when using this product.

Use only outdoors or in a well-ventilated area.

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

[In case of inadequate ventilation] wear respiratory protection.

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OTHER PROTECTIVE EQUIPMENT: To prevent skin contact, wear impervious clothing and boots.

Section 9: Product Properties

Flash Point (CCP): > 200 F

Boiling Point for Product: > 212 F

Vapor Pressure for Product: ND

Vapor Density for Product: ND

Specific Gravity: 0.997

V.O.C.: 2% by Weight

Water Solubility: ND

Appearance: NA

PH: 7.0 +/- 0.5

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Section 10: Stability and Reactivity

HAZARDOUS POLYMERIZATION: Cannot occur.

STABILITY: Stable

INCOMPATIBILITY: Avoid contact with: Strong alkalis, alkali metals.

Section 11: Toxicological Information

ETHANOL, DENATURED ALCOHOL 64-17-5

Routes of Entry: Inhalation, skin, ingestion.

Health Hazards (acute and chronic): Repeated exposure may exacerbate liver injury produced from other causes. May aggravate existing skin dermatitis.

Oral: May cause nausea, abdominal pain, vomiting, headache, dizziness, shortness of breath, weakness, fatigue, leg cramps, restlessness, confusion, drunken behavior, visual disturbances, drowsiness, coma and death. There may be a delay of several hours between swallowing and the onset of signs and symptoms. The effects observed are in part due to acidosis and partially to cerebral edema. Visual effects include blurred vision, diplopia, changes in color perception, restriction of visual fields and complete blindness. Ingestion of moderate quantities of ethanol also produce metabolic acidosis. Onset of symptoms may be delayed up to 48 hours 60-200 ml of methanol is a fatal dose for most adults. Ingestion of as little as 10 ml may cause blindness.

Dermal: Prolonged or widespread contact may result in the absorption of potentially harmful amounts of material. Repeated contact may cause defatting and drying of the skin.

Inhalation: May cause dizziness, drowsiness, disturbances of vision, tingling, numbness and shooting pains in the hands and forearms. High vapor concentrations may cause a burning sensation in the nose and throat, and stinging and watering in the eyes. At concentrations that cause irritation, dizziness, faintness, drowsiness, nausea and vomiting may also occur.

Eyes: Liquid may cause discomfort of the eye with slight excess redness and possibly swelling of the conjunctiva. May cause temporary superficial injury of the cornea.

Sodium Lauryl Sarcosinate 137-16-6

Acute Oral Toxicity: LD50 (rat) > 5000 mg/Kg

Acute Inhalation Toxicity: LD50 (rat) 1 - 5 mg/L 4 Hr.

LINEAR ALCOHOL ETHOXYLATE 68439-46-3

Acute Oral Toxicity LD50 (rat) > 2000 mg/Kg

LD50 (rabbit) > 2000 mg/Kg

Section 12: Ecological Information

ALCOHOL ETHOXYLATED PROPOXYLATED 68439-51-0

LC50 (water Flea): 72 ppm

LC50 (flathead Minnow): 13 ppm

ETHANOL, DENATURED ALCOHOL 64-17-5

EC50 Daphnia 1 9268 - 14221 mg/l (Exposure time: 48 h - Species: Daphnia magna)

LC 50 Fish 2 > 100 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])

ErC50 (algae) 1000 mg/l

Sodium Lauryl Sarcosinate 137-16-6

Toxicity to Fish: LC50 (Zebra Fish) 107 mg/L 96 Hr.

EC50 (Water Flea) 29.7 mg/L 48 Hr.

ErC50 (green Algae) 79 mg/L 72 Hr.

LINEAR ALCOHOL ETHOXYLATE 68439-46-3



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Aquatic Toxicity EC50 (Algae) 10 - 100 mg/L 72 hr.
EC50 (Daphnia) 5 - 10 mg/L 48 hr.
LC50 (fish) 5 - 10 mg/L 96 hr.

If applicable, IARL, NPT and OSHA carcinogens and chemicals subject to the reporting requirements of SARA Title III, Section 313 are identified in Section III with an "*". Additional ecological information is Not Determined.

Section 13: Disposal Information

Dispose of contents/container in accordance with local regulations.

WASTE DISPOSAL METHOD: Consult local authorities for proper waste disposal procedures. Empty de-pressurized containers can not be reused. Cans which are pressurized or contain liquid must be disposed of in a permitted waste management facility. Consult Federal, State, and local disposal authorities for approved procedures.

Section 14: Transportation Information

DOT Proper Shipping Name: [NOT REGULATED]

Section 15: Regulatory Information

	CAS#	PEL	TLV
INERT MATERIAL	7732-18-5	NOT ESTABLISHED	NOT ESTABLISHED
ALCOHOL ETHOXYLATED	68439-51-0	N/D	N/D
ETHANOL, DENATURED ALCOHOL	64-17-5	1,000 ppm	1,000 ppm
Sodium Lauryl Sarcosinate	137-16-6	NE	NE
LINEAR ALCOHOL ETHOXYLATE	68439-46-3	ND	ND

If applicable, IARL, NPT and OSHA carcinogens and chemicals subject to the reporting requirements of SARA Title III, Section 313 are identified above with an "*".

All material components are listed in the U.S. TSCA inventory.

Section 16: Other Information

Consumer Product Safety Act Certification.

This product was evaluated by the Company listed above and is certified to be in compliance with the provisions of the Consumer Product Safety Act, the Federal Hazardous Substances Act, and the Poison Prevention Packaging Act, as applicable. This product was manufactured at the location identified on the SDS. The date of manufacture is stamped on the product container. No testing is required to certify compliance with the above mentioned regulation.



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The above information is based on the data of which we are aware and is believed to be correct as of the date hereof. Since the information contained herein may be applied under conditions beyond our control and with which we may be unfamiliar and since data made available subsequent to the date hereof may suggest modification of the information, we do not assume any responsibility for the results of its use. This information is furnished upon condition that the person receiving it shall make his own determination of the suitability of the material for his particular purpose.