

SECTION 1 IDENTIFICATION

Product Trade Name: Oxy-Slam
Recommended Use: Heavy duty degreaser
Restrictions on Use: For Industrial and Institutional use only
Manufacturer: Maxim Chemical International Inc.
 1607 Derwent Way, Delta, B.C. Canada V3M 6K8
 (800) 663-9925
Emergency Phone Number/ 24-Hour Number: Canada: Canutec 613-996-6666
 U.S.A.: Chemtrec 800-424-9300

SECTION 2 HAZARD IDENTIFICATION

Physical Hazards: FLAMMABLE LIQUIDS - Category 3
Health Hazards: SKIN CORROSION/IRRITATION - Category 2
 EYE DAMAGE/IRRITATION - Category 1
 SENSITIZATION - SKIN - Category 1

Label Elements:



Signal word: Danger
Hazard Statement: H226 Flammable liquid and vapour.
 H315 Causes skin irritation.
 H318 Causes serious eye damage.
 H317 May cause an allergic skin reaction.

Precautionary Statements:

Prevention: P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
 P243 Take action to prevent static discharges.
 P280 Wear protective gloves/ eye protection/ face protection.
 P264 Wash hands or affected area thoroughly after handling.
 P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.
 P272 Contaminated work clothing should not be allowed out of the workplace.

Responses: P302 + P352 IF ON SKIN: Wash with plenty water.
 P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
 P370 + P378 In case of fire: Use water fog to extinguish.
 P321 Specific treatment (see supplemental first aid information on this label).
 P333 + P313 If skin irritation or rash occurs: Get medical advice/attention.
 P362 + P364 Take off contaminated clothing and wash it before reuse.
 P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P310 Immediately call a POISON CENTRE or doctor.

Storage: P403 + P235 Store in a well-ventilated place. Keep cool.

Disposal: P501 Dispose of contents/ container to an approved waste disposal plant.

SECTION 3 COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient	Approx. Wt.%	CAS Number
Hydrogen Peroxide	3-7	7722-84-1
D'limonene	1-5	5989-27-5

SECTION 4 FIRST-AID MEASURES

Inhalation: Immediately remove the affected victim to fresh air. If symptoms persist, obtain medical attention.

Skin Contact: Immediately flush exposed area with soap and water for at least 10 minutes. If irritation

- persists, or if contact has been prolonged, obtain medical attention. Remove contaminated clothing and launder before reuse. Contaminated work clothing must not be allowed out of the workplace. D'limonene is a known skin sensitizer.
- Eye Contact:** Immediately flush with warm running water for at least 15 minutes, holding eyelids open during flushing. Remove contact lenses, if present and easy to do. If irritation persists, repeat flushing and obtain medical attention immediately. Have an ophthalmologist make an evaluation of eye injury.
- Ingestion:** Do not induce vomiting. Never give anything by mouth if victim is unconscious, is rapidly losing consciousness, or is convulsing. If vomiting occurs spontaneously, keep head below hips to prevent aspiration of liquid into the lungs. Call a Physician.

If irritation occurs or persists, get medical attention.

SECTION 5 FIRE-FIGHTING MEASURES

- Extinguishing Media:** Water spray.
- Flammability:** Flammable liquid and vapours.
- Flash Point:** 51°C (Pensky Martin Closed Cup)
- Special Firefighting Procedures:** Do not use CO₂ extinguisher on this material. Use only water spray or appropriate foam. Do not use organic compounds on this material. Wear NIOSH/MSHA approved, self-contained breathing apparatus for firefighting situation. Use water spray to cool all nearby fire exposed surfaces.
- Unusual Fire / Explosion Hazards:** Can cause spontaneous combustion of flammable materials and continued support of the combustion because it liberates oxygen as it decomposes. Drying of concentrated product on clothing or other combustible material may cause fire.
- Hazardous Decomposition Products:** Oxides of carbon.

SECTION 6 ACCIDENTAL RELEASE MEASURES

- Environmental Protection Precautions:** Do not release to the environment or water source.
- Steps To Be Taken In Case Material Is Released Or Spilled:** Wear protective equipment. Soak up spills with absorbents, then dispose of in an appropriate waste container. Keep material away from sewers. Dispose recovered material in accordance with all local, provincial or Federal regulations.

SECTION 7 HANDLING AND STORAGE

- Precautions To Be Taken In Handling And Storage:** Use good industrial hygiene. Do not get in eyes. Avoid contact with skin and clothing. Avoid breathing sprays or mists. Store in a cool, dry place away from incompatibles. Keep container closed when not in use. Keep out of reach of children. Store at temperatures below 30°C (86°F) and above 5°C (41°F).

SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

- Exposure Limits:**
 OSHA (PEL): N/A
 ACGIH TLV: N/A
 Other exposure limit: N/A
- Appropriate Engineering Controls:** Good general ventilation.
- Individual Protection Measures / Personal Protective Equipment:**
- Gloves:** Non-permeable gloves (rubber, nitrile) recommended.
- Masks/Goggles:** Use chemical goggles or safety glasses.
- Respirator:** Good general ventilation or local exhaust ventilation for spraying and misting in confined areas. Use an appropriate NIOSH-approved respirator or organic vapor respirator if exposure exceeds occupational exposure limits.
- Apron:** Depending upon conditions of use.
- Boots:** Depending upon conditions of use.
- Other Protective Equipment:** Eye wash, safety shower and full protective clothing recommended in the immediate work area.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Clear, colorless liquid
Odor:	Citrus scent
Odor threshold:	N/A
pH:	1.5 - 2.5
Melting point/Freezing point:	N/A
Initial boiling point and boiling range:	N/A
Flash Point:	51 °C (Pensky Martin Closed Cup)
Evaporation Rate (Water=1):	N/A
Flammability:	Not flammable
Upper/Lower flammability or explosive limits:	None.
Vapor pressure:	N/A
Vapor density:	N/A
Relative density/Specific gravity (Water = 1):	1.04 @ 20 °C
Solubility(ies):	Soluble in water
Partition coefficient: n-octanol/water:	N/A
Auto-ignition temperature:	Not flammable
Decomposition temperature:	N/A
Viscosity:	N/A

SECTION 10 STABILITY AND REACTIVITY

Reactivity:	N/A
Chemical stability:	Stable under normal storage conditions.
Possibility of hazardous reactions:	N/A
Conditions to avoid:	Keep away from heat, sparks and flame. Avoid hot work and sources of ignition on or near empty containers. Avoid temperatures above 30°C (86°F) and below 5°C (41°F).
Incompatibility:	Reacts violently with a mixture of iodine pentafluoride and tetrafluoroethylene, causing fire and explosion hazard. Reacts with oxidants. Keep away from oxidizable materials, iron, copper, brass, bronze, chromium, zinc, lead, silver, manganese [Note: Contact with combustible material may result in SPONTANEOUS combustion].
Hazardous Decomposition Products:	Oxides of carbon.

SECTION 11 TOXICOLOGICAL INFORMATION

Likely routes of exposure:	Ingestion, skin and eye contact.
Symptoms:	Skin turns white upon contact with the product. Corrosive to eyes, may cause an allergic skin reaction. Irritate skin.
Acute Toxicity Estimates:	(oral) >2000 mg/kg, (dermal) >2000 mg/kg
Carcinogenicity:	Not listed by NTP, IARC, OSHA, ACGIH

SECTION 12 ECOLOGICAL INFORMATION

D'limonene:	
LC ₅₀ (Oncorhynchus mykiss):	35 mg/L 96 h
LC ₅₀ (Pimephales promelas):	0.619 - 0.796 mg/L 96 h flow-through

SECTION 13 DISPOSAL CONSIDERATIONS

Recommended Waste Disposal Methods: Reuse if possible. Otherwise dispose recovered material in accordance with all local, Provincial or Federal regulations.

SECTION 14 TRANSPORT INFORMATION

Canadian TDG	
UN Number:	1993 (Limited Quantity if <5L)
UN Proper Shipping Name:	Flammable Liquid, N.O.S. (D'limonene)

Transport Hazard Class(es): 3
 Packing Group: III

SECTION 15 REGULATORY INFORMATION

HAZARD RATING INFORMATION

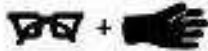
4=Extreme
 3=High
 2=Moderate
 1=Slight
 0=Insignificant

HMIS

2	Health
2	Flammability
1	Reactivity
B	Personal

A=Gloves, B=Goggles & Gloves
 C=Goggles, Gloves and Apron

HMIS Protection
 Group B



All pertinent hazard information has been provided in this SDS, per the requirements of the U.S. Federal Occupational Safety and Health Administration Standard (29 CFR 1910.1200), U.S. State equivalent Standards, and the Canadian Workplace Hazardous Materials Identification System Standards (CPR 4).

SECTION 16 OTHER INFORMATION

Acronym List:

ACGIH	American Conference of Governmental Industrial Hygienists
CFR	Code of Federal Regulations
HMIS	Hazardous Materials Identification System
IARC	International Agency for Research on Cancer
MSHA	Mine Safety and Health Administration
N/A	Not available
NIOSH	The National Institute for Occupational Safety and Health
NTP	National Toxicology Program
OSHA	Occupational Safety and Health Administration
PEL	Permissible Exposure Limit
TDG	Transportation of Dangerous Goods
TLV	Threshold Limit Value
UN	United Nations
WHMIS	Workplace Hazardous Materials Information System

It is the responsibility of the user to provide a safe workplace, using the health and safety information contained herein as a guide. **Maxim Chemical International Inc.** will accept no liability for damages or loss incurred from the improper handling and use of this product.

The information provided in the Safety Data Sheet has been obtained from current sources and is believed to be reliable.

PREPARED BY: Technical Service/Regulatory Division

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