

SECTION 1 IDENTIFICATION

Product Trade Name	Citrus Rig Wash
Recommended Use	Industrial Cleaner
Restrictions on Use:	For Industrial and Institutional use only
Manufacturer:	Maxim Chemical International Ltd. 1305 Halifax Street, Regina, SK, S4R 1T9 306-347-0444
Emergency Phone Number:	Canada: Canutec 613-996-6666

SECTION 2 HAZARD IDENTIFICATION

Physical Hazards: FLAMMABLE LIQUIDS - Category 3
Health Hazards: ACUTE TOXICITY - Category 4 (oral)
 SENSITIZATION - SKIN - Category 1
 SKIN CORROSION/IRRITATION - Category 2
 EYE DAMAGE/ IRRITATION - Category 1
 ASPIRATION TOXICITY - Category 1

Label Elements:



Signal word: Danger

Hazard Statement: H226 Flammable liquid and vapour
 H302 Harmful if swallowed
 H315 Causes skin irritation
 H317 May cause an allergic skin reaction
 H318 Causes serious eye damage
 H304 May be fatal if swallowed and enters airways.

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.
 P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.
 P264 Wash hands and affected area thoroughly after handling.
 P270 Do not eat, drink or smoke while using this product.
 P272 Contaminated work clothing should not be allowed out of the workplace.
 P280 Wear protective gloves.

Responses: P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
 P302 + P352 IF ON SKIN: Wash with plenty of water.
 P362 + P364 Take off contaminated clothing and wash it before reuse.
 P333 + P313 If skin irritation or rash occurs: Get medical advice/attention.
 P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P301 + P310 If swallowed immediately call a POISON CENTRE or doctor / physician.
 P330 Rinse mouth.
 P331 Do not induce vomiting.
 P321 Specific treatment (see supplemental first aid information on this label).
 P370 + P378 In case of fire: Use CO2 alcohol foam or dry chemical 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.

SECTION 3 COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient	Approx. Wt. %	CAS Number
Alcohols C9-C11, Ethoxylated	22.0	68439-46-3
Ethylene Glycol Monobutyl Ether	45.0	111-76-2
D'Limonene	33.0	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. 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.
Ingestion:	Aspiration hazard. Do not induce vomiting. If the victim is fully conscious, give plenty of clean water to drink to dilute product. Never give anything by mouth if victim is unconscious, is rapidly losing consciousness, or is convulsing. Call a Physician or Poison Control Center immediately.

If irritation occurs or persists, get medical attention.

SECTION 5 FIRE-FIGHTING MEASURES

Extinguishing Media:	Carbon dioxide, foam, dry chemical.
Flammability:	Flammable liquid and vapor.
Flash Point:	51°C (Pensky Martens Closed Cup)
Special Firefighting Procedures:	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:	May form flammable mixture with air at or above flash point. Avoid heat, flames and sparks.
Hazardous Decomposition Products:	Carbon oxides.

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. Extinguish all nearby sources of ignition. Dike and contain large spills. Pump spill into an approved flammable waste container. For small spills soak up with absorbents, then dispose of in an appropriate waste container. Keep material away from sewers. Reuse if possible. Otherwise 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. Do not mix with any other chemicals. Store at temperatures below 30°C (86°F) and keep from freezing.

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).
Masks/Goggles: Use chemical goggles or safety glasses.
Respirator: Good general ventilation or local exhaust ventilation for spraying and misting in confined areas. If exposed to vapors or mists wear an approved organic vapor respirator.
Apron: Not required for normal use of product.
Boots: Not required for normal use of product.
Other Protective Equipment: Eye wash, safety shower and full protective clothing recommended in the immediate work area.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Yellow liquid
Odor:	Citrus odor
Odor threshold:	N/A
pH:	N/A
Melting point/Freezing point:	N/A
Initial boiling point and boiling range:	N/A
Flash Point:	51°C (Pensky Martens Closed Cup)
Evaporation Rate (Water=1):	N/A
Flammability:	Flammable liquid and vapour
Upper/Lower flammability or explosive limits:	None
Vapor pressure:	N/A
Vapor density:	N/A
Relative density/Specific gravity (Water = 1):	0.91@ 20°C
Solubility(ies):	Emulsifiable in water
Partition coefficient: n-octanol/water :	N/A
Auto-ignition temperature :	N/A
Decomposition temperature:	N/A
Viscosity:	N/A

SECTION 10 STABILITY AND REACTIVITY

Chemical stability:	Stable under normal storage conditions.
Possibility of hazardous reactions:	This product is flammable.
Conditions to avoid:	Avoid heat, flames and sparks. Contact with incompatible materials.
Incompatibility:	Strong oxidizing agents, strong bases, strong acids, reactive materials.
Hazardous Decomposition Products:	Oxides of carbon.

SECTION 11 TOXICOLOGICAL INFORMATION

Likely routes of exposure:	Skin contact, skin absorption, eye contact, inhalation, ingestion.
Symptoms:	SKIN CONTACT: Causes skin irritation. May cause an allergic skin reaction (D`Limonene is a known skin sensitizer). May be harmful if absorbed through skin. EYE CONTACT: Causes serious eye damage. INHALATION: May cause respiratory irritation. Excessive inhalation of vapors may cause headache, nausea, etc. INGESTION: May be harmful if ingested.
Acute Toxicity Estimates:	LD ₅₀ (oral) > 1436 mg/kg; LD ₅₀ (dermal) > 2000 mg/kg
Carcinogenicity:	The ingredients of this product are not considered to be carcinogens by the National Toxicity Program, the International Agency for Research on Cancer or the Occupational Safety and Health Administration.

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
UN Proper Shipping Name:	Flammable Liquid, N.O.S. (D'limonene)
Transport Hazard Class(es):	3
Packing Group:	III

SECTION 15 REGULATORY INFORMATION

All components of this product are listed on DSL/NDSL.

All pertinent hazard information has been provided in this SDS, as per the requirements of 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 Ltd.** 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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