

SECTION 1 IDENTIFICATION

Product Trade Name: Nature's Orange
Recommended Use: Carpet deodorizer
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: SENSITIZATION - SKIN - Category 1
Label Elements:



Signal word: Warning
Hazard Statement: H226 Flammable liquid and vapour.
 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.
 P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.
 P272 Contaminated work clothing should not be allowed out of the workplace.
Responses: 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, alcohol foam or dry chemical to extinguish.
 P302 + P352 IF ON SKIN: Wash with plenty of water.
 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.
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
Isopropyl Alcohol	1-5	67-63-0
Blend of aliphatic alcohols and esters, and of aromatic aldehydes and esters	1-5	N/A
D'Limonene	0.1-1	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.
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: 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.

If irritation occurs or persists, get medical attention.

SECTION 5 FIRE-FIGHTING MEASURES

Extinguishing Media:	Water fog, alcohol foam, or dry chemical.
Flammability:	Flammable liquid and vapor.
Flash Point:	52°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:	Avoid heat, flames and sparks. Avoid contact with Aldehydes, halogens, strong acids, strong oxidizing agents, alkalis, amines, ethylene oxide, halogenated hydrocarbons, isocyanates, do not use with aluminum equipment at temperatures above 50°C (120 °F)
Hazardous Decomposition Products:	Carbon dioxide, carbon monoxide.

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. 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) recommended.
Masks/Goggles: Use chemical goggles or safety glasses when eye contact may occur.
Respirator: Good general ventilation or local exhaust ventilation for spraying and misting in confined areas.
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:	Clear orange liquid.
Odor:	Orange, citrus scent.
Odor threshold:	N/A
pH:	7.0 – 7.5
Melting point/Freezing point:	N/A
Initial boiling point and boiling range:	N/A
Flash Point:	52°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):	1.0 @ 20 °C

Solubility(ies):	Soluble 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. Do not use with aluminum equipment at temperatures above 50°C (120°F)
Incompatibility:	Avoid contact with Aldehydes, halogens, strong acids, strong oxidizing agents, alkalis, amines, ethylene oxide, halogenated hydrocarbons, isocyanates.
Hazardous Decomposition Products:	Oxides of carbon.

SECTION 11 TOXICOLOGICAL INFORMATION

Likely routes of exposure:	Ingestion, skin and eye contact.
Symptoms:	May cause mild irritation to eyes and skin. D'limonene is a known skin sensitizer.
Acute Toxicity Estimates:	(oral) >2000 mg/kg, (dermal) >2000 mg/kg
Carcinogenicity:	Not listed by NTP, IARC, OSHA, ACGIH.

SECTION 12 ECOLOGICAL INFORMATION

Not required.

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. (Isopropyl alcohol, 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

0	Health
2	Flammability
0	Reactivity
A	Personal

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

HMIS Protection
Group A



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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