

MSDS *Material Safety Data Sheet*

UNITEX

CITRI-CLEAN

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MSDS Number: 4006

Revision Date: OCT-04-2003

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PRODUCT AND COMPANY IDENTIFICATION

Manufacturer

UNITEX
3101 GARDER AVENUE

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Product Name: CITRI-CLEAN
Revision Date: OCT-04-2003
MSDS Number: 4006
Common Name: CITRI-CLEAN
Product Code: CITRI-CLEAN
Product Use: CLEANER, DEGREASER
Emergency Telephone No.: 800-424-9300

MSDS Prepared by: Wm. Michael Simmons Director of Safety Phone: 816-231-7700

HAZARD RATINGS: HEALTH (1) FIRE (2) REACTIVITY (0) EQUIPMENT (C)

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COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients:

Cas #	Chemical Name	Perc.
5989275	Citrus Distillates	>95%
NE		> 5%

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HAZARDS IDENTIFICATION

Route of Entry: Eyes; Skin; Swallowing; Inhalation

Target Organs: Exposure to this material (or a component) has been found to cause kidney damage in male rats. The mechanism by which this toxicity occurs is specific to the male rats and the kidney effects are not expected to occur in humans.

Inhalation: Breathing of vapor or mist is possible. Breathing small amounts of this material during normal handling is not likely to cause harmful effects. Breathing large amounts may be harmful. Symptoms usually occur at air concentrations higher than the recommended exposure limits.

Skin Contact: May cause mild skin irritation. Prolonged or repeated contact may dry the skin. Symptoms may include redness, burning, drying and cracking of skin, and skin burns. Additional symptoms of skin contact may include: allergic skin reaction (delayed skin rash which may be followed by blistering, scaling and other skin effects) Passage of this material into the body through the skin is possible, but it is unlikely that this would result in harmful effects during safe handling and use.

Eye Contact: May cause mild eye irritation. Symptoms include stinging, tearing, and redness.

Ingestion: Swallowing small amounts of this material during normal handling is not likely to cause harmful effects. Swallowing large amounts may be harmful.

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4 FIRST AID MEASURES

- Inhalation:** Remove to fresh air. If discomfort persists, get medical attention.
- Skin Contact:** May cause mild skin irritation. Prolonged or repeated contact may dry the skin. Symptoms may include redness, burning, drying and cracking of skin, and skin burns. Additional symptoms of skin contact may include: allergic skin reaction (delayed skin rash which may be followed by blistering, scaling and other skin effect). Passage of this material into the body through the skin is possible, but it is unlikely that this would result in harmful effects during safe handling and use.
- Eye Contact:** May cause eye irritation. Symptoms include stinging, tearing, and redness. Flush with fresh water for 15 minutes while gently holding open eyelids.
- Ingestion:** Swallowing small amounts of this material during normal handling is not likely to cause harmful effects. Swallowing large amounts may be harmful.

5 FIRE FIGHTING MEASURES

Flash Point: 122F/ 177C
Flash Point Method: Pensky Martens Closed Cup
Burning Rate: ND
Autoignition Temperature: ND
LEL: NE
UEL: NE
Flammability Classificati Moderate

Other:

NFPA Class B extinguisher (co2, dry chemical or foam) for class 1C fires. Water spray may be ineffective on fire but can protect fire-fighters and cool closed containers. Use fog nozzels if water is used. Use air supplied breathing masks. Unusual Fire and Explosion Hazards: Keep away heat and open flame. Closed container may explode if exposed to extreme heat.

6 ACCIDENTAL RELEASE MEASURES

SMALL SPILL

Absorb liquid with vermiculitem floor absorbent or other absorbent material.

LARGE SPILL

Eliminate all ignition sources (flares, flames including pilot lights, electrical sparks). Persons not wearing protective equipment should be excluded from area or spill until clean-up has been completed. Stop spill at source. Prevent from entering drains, sewers, streams or other bodies of water. Prevent from spreading. If run-off occurs, notify authorities as required. Pump or vacuum transfer spilled product to clean containers for recovery. Absorb unrecoverable product. Transfer contaminated absorbent, soil and other materials to containers for disposal. Prevent run-off to sewers, streams or other bodies of water.

7 HANDLING AND STORAGE

Handling Precautions: Containers of this material may be hazardous when emptied. Since emptied containers retain product residues (vapor, liquid, an/or solid), all hazard precautions given in the data sheet must be observed.

INDUSTRIAL USE ONLY!

Storage Requirements: Keep away from heat, sparks, and flames. Store in a cool/dry area. DO NOT STORE ABOVE 49C (120F). Store away from oxidizers. Keep out of reach of children.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

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Engineering Controls:

Protective Equipment: Respiratory Protection: NIOSH approved respirator for emergency use. Local exhaust is preferable. Mechanical equipment is acceptable.
Protective gloves; must not dissolve in solvents.
Eye protection use splash proof safety goggles.
Other equipment as required to prevent prolonged contact.

Note to Physicians: Preexisting disorders of the following organs (or organ systems) may be aggravated by exposure to this material: skin, lung (for example, asthma-like conditions).

This material is not listed by the International Agency for Research on Cancer, the National Toxicology Program, or the Occupational Safety and Health Administration.

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Clear water-white to slightly orange	Boiling Point:	348-350 F
Physical State:	Liquid	Freezing/Melting Pt.:	Varies on concentration
Odor:	Orange Citrus	Solubility:	Moderate
pH:	ND	Spec Grav./Density:	ND
Vapor Pressure:	20C(Mm of Hg): 1.0		
Vapor Density:	4.73		
Heat Value:	ND		
Evap. Rate:	Slower Than Ether		
Percent Volatile:	100%		

10 STABILITY AND REACTIVITY

Stability: Stable

Conditions to avoid: Heat, sparks and open flame.

Materials to avoid (incompatibility): Isolate from strong oxidizers such as permanganate.

Hazardous Decomposition products: Carbon Monoxide and Carbon Dioxide.

Hazardous Polymerization: Will not occur.

11 TOXICOLOGICAL INFORMATION

No data available

12 ECOLOGICAL INFORMATION

No data available

13 DISPOSAL CONSIDERATIONS

Dispose of in accordance with all applicable local, state and federal regulations.

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14 TRANSPORT INFORMATION

Consult DOT 49 CFR 172.101 for transportation information.

15 REGULATORY INFORMATION

US Federal Regulations

TSCA (Toxic Substance Control Act) Status: TSCA (United States) The international ingredients of this product are listed.

CERCLA RQ - 40 CFR 302.4(a) - None listed

SARA 302 Components - 40 CFR 355 Appendix A - None

Section 311/312 Hazard Class - 40 CFR 370.2

Immediate(x) Delayed() Fire(x) Reactive() Sudden Release of Pressure()

SARA 313 Components - 40 CFR 372.5 - None

OSHA Process Safety Management 29 CFR 1910 - None listed

EPA Accidental Release Prevention 40 CFR 69 - None listed

State and Local Regulations

California Proposition 65 - None

16 OTHER INFORMATION

This product has been classified according to the hazard criteria of the CPR and the MSDS contains all the information required by the CPR.

END OF MSDS DOCUMENT