

# MATERIAL SAFETY DATA SHEET

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**TOTAL  
SOLUTIONS**

GENERAL INFORMATION NUMBER: 1-800-653-9795

REVISION DATE: August 15, 2001  
DATE OF ISSUE: October 24, 2002

## I - Product Identification

### Orange Squirt Concentrate

PRODUCT CODE: 0425

CHEMICAL FORMULATION: Water soluble cleaner concentrate.

NFPA HAZARD IDENTIFICATION SYSTEM: HEALTH: 1

FLAMMABILITY: 2

REACTIVITY: 0

HAZARD RATING: 4 - Extreme; 3 - High; 2 - Moderate; 1 - Slight; 0 - Insignificant

## II - Hazardous Ingredients

Values reported as TWA unless noted.

SUBSTANCE	APPROX %	OSHA PEL	ACGIH TLV	EPA 40 CFR:			CAS #
				302	355	372	
Triethanolamine	< 2.0	N/E	N/E	N	N	N	102-71-6
Sodium xylene sulfonate	< 2.0	N/E	N/E	N	N	N	1300-72-7
Diethanolamine	< 2.0	N/E	3 ppm	Y	N	Y	111-42-2
d-Limonene	1.00-10.0	N/E	N/E	Y	N	N	5989-27-5

Key: PEL: Permissible Exposure Limit TLV: Threshold Limit Value C: Ceiling level STEL: Short Term Exposure Limit  
N/A: Not Applicable N/D: Not Determined N/E: Not Established Y: Yes N: No  
302: CERCLA List of Hazardous Substances and Reportable Quantities (40 CFR 302.4).  
355: SARA TITLE III / List of Extremely Hazardous Substances for Emergency Planning and Notification (40 CFR 355).  
372: SARA TITLE III / List of Toxic Chemicals subject to Release Reporting (Community Right to Know) (40 CFR 372).

## III - Physical Data

BOILING POINT (°F): N/D SPECIFIC GRAVITY (WATER = 1): 1.00  
VAPOR PRESSURE (mm Hg): N/D VOC CONTENT (% by weight): 5.0-15.0  
VAPOR DENSITY (AIR = 1): N/D EVAPORATION RATE (WATER = 1): ~1.0  
SOLUBILITY IN WATER: Soluble pH: 10.0-11.0  
APPEARANCE AND ODOR: Clear to slightly hazy, orange liquid; pleasant citrus fragrance.

## IV - Fire and Explosion Hazard Data

FLASH POINT (°F): 134 (TEST METHOD): Closed cup  
FLAMMABLE LIMITS IN AIR (VOLUME %) UPPER: N/A LOWER: N/A  
EXTINGUISHING MEDIA: Water, foam, carbon dioxide, dry chemical.  
SPECIAL FIRE FIGHTING PROCEDURES: Firefighters should be equipped with full protective gear including self-contained breathing apparatus.  
UNUSUAL FIRE AND EXPLOSION HAZARD: None

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**V - Reactivity Data**

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**STABILITY:** Stable**INCOMPATIBILITY:** Strong oxidizers and acids.**CONDITIONS TO AVOID:** Heat or open flame.**HAZARDOUS DECOMPOSITION PRODUCTS:** Thermal decomposition may produce oxides of carbon**HAZARDOUS POLYMERIZATION:** Will not occur.**CONDITIONS TO AVOID:** None

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**VI - Health Hazard Data**

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**ROUTES OF ENTRY**    **INHALATION:** X    **EYE CONTACT:** X    **SKIN CONTACT:** X    **INGESTION:** X  
**INGREDIENTS THAT ARE CONSIDERED BY OSHA, NTP, IARC TO BE SUSPECTED HUMAN CARCINOGENS:** None.**EFFECTS OF OVEREXPOSURE****IF IN EYES:** Moderate irritation, tearing and redness.**IF ON SKIN:** Irritation, chapping and dermatitis with prolonged or repeated exposure. Contains a possible sensitizer.**IF SWALLOWED:** Gastrointestinal irritation, nausea and diarrhea.**IF INHALED:** None under normal use.**EMERGENCY AND FIRST AID PROCEDURES****IF IN EYES:** Flush eyes and under eyelids with plenty of cool water for at least 15 minutes. If irritation persists, obtain medical attention.**IF ON SKIN:** Remove contaminated clothing and launder before re-use. Flush with soap and water. If irritation persists, obtain medical attention.**IF SWALLOWED:** Contact physician or poison control center immediately. Do not induce vomiting. Never give anything to an unconscious person.**IF INHALED:** Remove person to fresh air.

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**VII - Spill or Leak Protection**

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**STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:** Ventilate area and remove all sources of ignition. Contain spill. Soak up spilled material with inert absorbent material and place in a properly labeled container for disposal.**WASTE DISPOSAL METHOD:** Consult local environmental authorities.

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**VIII - Special Protection Information**

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**RESPIRATORY PROTECTION:** Use with adequate ventilation.**VENTILATION****LOCAL:** Recommended**MECHANICAL:** Not required**PROTECTIVE GLOVES:** Chemical resistant.**EYE PROTECTION:** Safety glasses or chemical goggles.**OTHER PROTECTIVE EQUIPMENT:** Protective clothing.**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:** Store in a cool, dry place away from heat or open flame. Keep container tightly closed when not in use.**OTHER PRECAUTIONS:** Keep out of reach of children.

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**IX - Transportation Information (ground transportation only)**

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**DOT PROPER SHIPPING NAME:** None**DOT CLASS:** None**DOT ID NUMBER:** None**DOT PACKING GROUP:** None

The shipping information listed above applies only to non-bulk (< 119 gallons) containers of this product. This product may have more than one proper shipping name depending on packaging, product properties, & mode of shipment. If any alteration of packaging, product, or mode of transportation is further intended, different shipping names and labeling may apply.

**REVISION DATE:** February 10, 2004**Prepared by:** PMR**DATE OF ISSUE:** February 10, 2004

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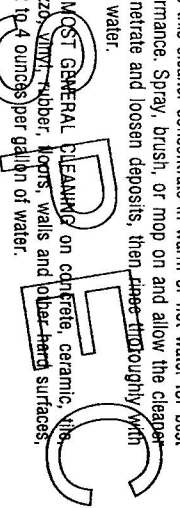
Use nature's own citrus extracts to cut through the heaviest grease and grime on most surfaces. This non-toxic biodegradable cleaner concentrate contains no butyl or harsh alkalies. It penetrates, lifts and removes tough stains and soils, and leaves surfaces sparkling clean – without rinsing. Save time and labor the natural way!

**DIRECTIONS**

Dilute this cleaner concentrate in warm or hot water for best performance. Spray, brush, or mop on and allow the cleaner to penetrate and loosen deposits, then ~~scrape~~ ~~thoroughly~~ with clean water.

**FOR MOST GENERAL CLEANING** on concrete, ceramic, the terrazzo, ~~vinyl~~ rubber, floors, walls and ~~other hard~~ surfaces, use 2 to 4 ounces per gallon of water.

**FOR STUBBORN DEPOSITS**, use 10 to 16 ounces per gallon. Allow cleaning solution to remain on the surface for 5 minutes; agitate with steel wool or a sponge, then rinse with clean water.



# ORANGE SQUIRT CONCENTRATE

NEW GENERATION INSTANT CLEANER  
ALL NATURAL - CONTAINS NO-BUTYL

**CAUTION-COMBUSTIBLE**

Harmful if swallowed. May irritate eyes and skin.  
See side panel for further precautions and first aid instructions.  
**KEEP OUT OF REACH OF CHILDREN**

Sold By:

**CAUTION-COMBUSTIBLE**

May be harmful if swallowed. May irritate eyes and skin. Prolonged or repeated exposure may cause skin irritation. Do not take internally. Avoid contact with eyes. Store away from heat or open flame.

**IN EYES:** Flush eyes and under eyelids with water for at least 15 minutes. If discomfort persists, see a physician. If on skin, wash with soap and water. Remove contaminated clothing and launder before reuse. If irritation is persistent, contact a physician.

**If swallowed:** Do not induce vomiting. Give person several glasses of water. Do not give water to unconscious person. Call a physician immediately.

See M.S.D.S. for complete safety information.  
**KEEP OUT OF REACH OF CHILDREN**

This product contains	
Water	CAS Number 7732-18-5
Caro diethanolamide-sulfonate	67265-11-9
d/Limonene	5998-27-5
Sodium Xylene Sulfonate	1306-72-7
Triethanolamine	102-71-6

**NET CONTENTS:** One gallon (128 fl. oz.)

**NFPA RATINGS**

Health	1	2	0	Reactivity
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