

# MATERIAL SAFETY DATA SHEET

Amax Industrial Products  
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General Information: 1-800-662-0023  
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## I - Product Identification

### Safety First #435

PRODUCT CODE: 0435

CHEMICAL FORMULATION: Citrus based concentrated cleaner.

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	
d-Limonene	5.00-15.0	N/E	N/E	N	N	N	5989-27-5
Triethanolamine	< 3.00	N/E	5 mg/m3	N	N	N	102-71-6
Ethoxylated Alkyl Amine	< 3.00	N/E	N/E	N	N	N	68478-95-5
Diethanolamine	< 2.00	N/E	2.0 mg/m3	Y	N	Y	111-42-2
Sodium Metasilicate	< 2.00	N/E	N/E	N	N	N	6834-92-0
Poly(oxyethylene) nonylphenol	< 2.00	N/E	N/E	N	N	N	9016-45-9

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): 0.99

VAPOR PRESSURE (mm Hg): N/D

VOC CONTENT (% by weight): 5.00 - 15.0

VAPOR DENSITY (AIR = 1): N/D

EVAPORATION RATE (WATER = 1): N/D

SOLUBILITY IN WATER: Soluble

pH: 10.0-11.0

APPEARANCE AND ODOR: Clear, dark orange liquid; citrus odor.

## IV - Fire and Explosion Hazard Data

FLASH POINT (°F): 133

(TEST METHOD): Closed cup

FLAMMABLE LIMITS IN AIR (VOLUME %)

UPPER: N/D

LOWER: N/D

EXTINGUISHING MEDIA: Water spray, 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: Use water spray to cool fire-exposed containers.

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### V - Reactivity Data

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**STABILITY:** Stable

**INCOMPATIBILITY:** Strong oxidizers and acids.

**CONDITIONS TO AVOID:** Heat, sparks and open flame.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Thermal decomposition may yield oxides of carbon.

**HAZARDOUS POLYMERIZATION:** Will not occur.

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### VI - Health Hazard Data

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**ROUTES OF ENTRY**      **INHALATION:**      **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 to severe irritation, redness, tearing.

**IF ON SKIN:** Irritation, chapping and possible dermatitis with repeated or prolonged contact. Contains a possible sensitizer.

**IF SWALLOWED:** Gastrointestinal irritation, nausea, vomiting, diarrhea.

**IF INHALED:** Irritation of respiratory tract.

#### 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:** Flush area with cool water while removing contaminated clothing. Launder clothing separately before re-use. If irritation persists, obtain medical attention.

**IF SWALLOWED:** Call a physician or poison control center immediately. Give one to two glasses of water. Do not induce vomiting unless instructed by a physician or poison control center. Never give anything by mouth to an unconscious person.

**IF INHALED:** Remove person to fresh air. If breathing has stopped, administer artificial respiration.

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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 extinguish all sources of ignition. Soak up with inert absorbent and place in a properly labeled closed 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:** Chemical goggles or safety glasses.

**OTHER PROTECTIVE EQUIPMENT:** Eye wash station.

**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. Do not cut or weld on empty containers as they may contain combustible residue.

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

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**DOT ID NUMBER:** None

**DOT PROPER SHIPPING NAME:** None

**DOT CLASS:** 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.

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