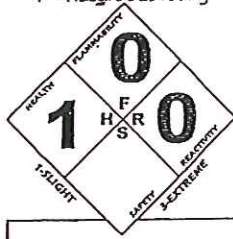


NFPA RATING
0 = none to
4 = hazardous rating



CITRUS PLUS II CLEANER DEGREASER

S-16707-B/C/D/E

DATE PREPARED: 08/14/06

DATE REVISED: 02/20/08

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MATERIAL SAFETY DATA SHEET (MSDS)

Per 29 CFR 1910.1200

SECTION I



PEN Products
Indiana Department of Correction
6075 Lakeside Boulevard
Indianapolis, Indiana 46278

Toll Free: (800) PEN-2550

Direct: (317) 388-8580

24-Hour Emergency Number - Chemtrec (800)424-9300

Identify (As listed on label): CITRUS PLUS II CLEANER DEGREASER

HMIS Hazard Ratings:	
Health:	1
Flammability:	0
Reactivity:	0
PPE:	B

SECTION II - HAZARDS IDENTIFICATION

Emergency overview	This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA. Contact with this material can cause irritation to the skin, eyes and mucous membranes
Potential short term health effects	
Routes of exposure	Inhalation.
Eyes	Contact with eyes may cause irritation.
Skin	Prolonged and/or repeated skin contact may result in mild irritation or redness.
Inhalation	Prolonged or excessive inhalation may cause respiratory tract irritation.
Ingestion	Irritating to mouth, throat, and stomach.
Target organs	Respiratory system.

SECTION III - COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous component(s)	CAS#	Percent
Ethanolamine	141-43-5	<2.5

SECTION IV - FIRST AID MEASURES

First aid procedures	
Eye contact	Immediately flush eyes with plenty of water for at least 20 minutes. Get medical attention if irritation develops or persists.
Skin contact	Wash with soap and water. Launder contaminated clothing before reuse.
Inhalation	Move to fresh air
Ingestion	Give several glasses of water. Never give anything by mouth to a victim who is unconscious or is having convulsions. Obtain medical attention.
General advice	In the case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

SECTION V - FIRE FIGHTING MEASURES

Flammable properties	None known.
Extinguishing media	
Suitable extinguishing media	Use any media suitable for the surrounding fire.

SECTION VI - ACCIDENTAL RELEASE MEASURES

Methods for cleaning up	Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal.
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SECTION VII - HANDLING AND STORAGE

Handling	Store and handle in accordance with all current regulations and standards.
Storage	Keep at temperatures between 4 and 49°C.



SECTION VIII - EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure guidelines

ACGIH -Threshold Limits Values -Short Term Exposure Limits (TLV-STEL)

Ethanolamine 141-43-5 6 Ppm STEL

ACGIH -Threshold Limits Values -Time Weighted Averages (TLV-TWA)

Ethanolamine 141-43-5 3 Ppm TWA

ACGIH -Threshold Limits Values - TLV Basis - Critical Effects

Ethanolamine 141-43-5 eye and skin irritation

U.S. -OSHA - Final PELs - Time Weighted Averages (TWAs)

Ethanolamine 141-43-5 3 Ppm TWA; 6 mg/m³ TWA

Personal protective equipment

Eye /face protection

Wear chemical goggles, or safety glasses with side-shields

Skin protection

Wear impervious gloves for prolonged contact.

Respiratory protection

Under normal conditions, respirator is not normally required. If permissible levels are exceeded use NIOSH mechanical filter / organic vapor cartridge or an air-supplied respirator.

General hygiene considerations

Handle in accordance with good industrial hygiene and safety practice.

SECTION IX - PHYSICAL & CHEMICAL PROPERTIES

Appearance	liquid
Color	blue green
Form	Liquid.
Odor	citrus
Odor threshold	Not available
pH	11.8 - 12.2
Freezing point	30°F Approximate
Boiling point	212 °F
Flash point	> 212 °F Pensky-Martens Closed Cup
Flammability limits in air, lower, % by volume	Not available
Flammability limits in air, upper, % by volume	Not available
Vapor pressure	Not available
Vapor density	Not available
Specific gravity	1.084
Solubility (H ₂ O)	100 %
VOC (Weight %)	1.8 %

SECTION X - CHEMICAL STABILITY & REACTIVITY INFORMATION

Chemical stability	Stable at normal conditions.
Conditions to avoid	Do not freeze.
Incompatible materials	Strong oxidizing agents, and acids
Hazardous decomposition products	Carbon monoxide and carbon dioxide, and nitrogen oxides (NO _x)
Possibility of hazardous reactions	Will not occur

SECTION XI - TOXICOLOGICAL INFORMATION

Acute effects	Acute LD50: 13714 mg/kg, Rat, Oral.
Local effects	Irritating to respiratory system.
Chronic effects	Repeated or prolonged exposure may cause irritation of eyes and skin. Chronic inhalation causes tiredness, headache and rhinitis.

SECTION XII - ECOLOGICAL INFORMATION

Ecotoxicity	Components of this product have been identified as having potential environmental concerns.
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SECTION XIII - DISPOSAL CONSIDERATIONS

Disposal instructions	Dispose in accordance with all applicable regulations. This product, in its present state, when discarded or disposed of, is not a hazardous waste, according to Federal regulations (40 CFR 261.4 (b)(4)). Under RCRA, it is the responsibility of the user of the product to determine, at the time of disposal, whether the product meets RCRA criteria for hazardous waste.
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SECTION XIV - TRANSPORT INFORMATION

Department of Transportation (DOT) Requirements
 Not regulated as dangerous goods.
 Department of Transportation (DOT) Requirements NON-BULK
 Not regulated as dangerous goods.
 IATA
 Not regulated as dangerous goods.
 IMDG
 Not regulated as dangerous goods.

SECTION XV - REGULATORY INFORMATION

US federal regulations	All components are on the U.S. EPA TSCA Inventory List.
Occupational Safety and Health Administration (OSHA)	
29 CFR 1910.1200 hazardous chemical	Yes
CERCLA (Superfund) reportable quantity	None
Superfund Amendments and Reauthorization Act of 1986 (SARA)	
Hazard categories	Immediate Hazard - Yes Delayed Hazard - Yes Fire Hazard - No Pressure Hazard - No Reactivity Hazard - No
Section 302 extremely hazardous substance	No
Section 311 hazardous chemical	Yes
Inventory status	
Country(s) or region	Inventory name
Australia	Australia Inventory of Chemical Substances (AICS)
Canada	Domestic Substances List (DSL)
China	Inventory of Existing Chemical Substances in China (CCS)
Korea	Korean Inventory of Chemicals (KICS)
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory
International regulations	The product is classified and labelled in accordance with EC directives and respective national laws.
State regulations	This product does not contain a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.

SECTION XVI - OTHER INFORMATION

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release.