

MATERIAL SAFETY DATA SHEET



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EMERGENCY PHONE NUMBER: (800) 424-9300

SECTION 1

PRODUCT IDENTIFICATION

PRODUCT NAME OR NUMBER: MegaClean
TRADE NAME OR CHEMICAL NAME: Homogeneous solution
SYNONYMS: N/A
FORMULA: Proprietary
CHEMICAL FAMILY OR PRODUCT USE: Cleaner for removing heavy residues
MOLECULAR WEIGHT: N/A
NFPA: See Section 7
HMIS RATING: See Section 7
TSCA REGISTRY NUMBER: The ingredients of this product are on the TSCA inventory

SECTION 2

HAZARDOUS INGREDIENTS / HAZARD DATA

| <u>CHEMICAL NAME(S)</u> | <u>CAS NUMBER</u> | <u>% by Weight</u> |
|--------------------------------|-------------------|--------------------|
| Dipropylene Glycol Butyl Ether | 29911-28-2 | 30-60 |
| Diethylene Glycol Butyl Ether | 112-34-5 | 30-60 |
| Nonylphenoxypolyethoxyethanol | 127087-87-0 | 1-10 |

SECTION 3

PHYSICAL DATA

BOILING / MELTING POINT @760 mm Hg: 220⁰C (428⁰)
pH: 7.95
VAPOR PRESSURE mm Hg @20⁰ C: ~0.02 mm Hg @ 20⁰C
VAPOR DENSITY (Air = 1): N/A
PERCENT VOLATILE BY WEIGHT (%): 97.0
SPECIFIC GRAVITY OR BULK DENSITY: 0.936 g/mL
SOLUBILITY IN WATER: Complete
EVAPORATION RATE (BuAc = 1): N/A
APPEARANCE: Clear liquid
ODOR: Lemon
INTENSITY: N/A

SECTION 4

FIRE AND EXPLOSION HAZARD DATA

FLASH POINT ⁰F (Test Method): 93⁰C (200⁰F) - (Open Cup)
AUTOIGNITION TEMPERATURE: 228⁰C (442⁰F)
FLAMMABILITY LIMITS IN AIR (% V): Not Determined

EXTINGUISHING MEDIA: Foam, carbon dioxide, dry chemical or water fog
 SPECIAL FIRE FIGHTING PROCEDURES: Do not direct a solid stream of water or foam into hot, burning pools, this may cause frothing and increase fire intensity.
 UNUSUAL FIRE & EXPLOSION HAZARDS: Extinguish all nearby sources of ignition.

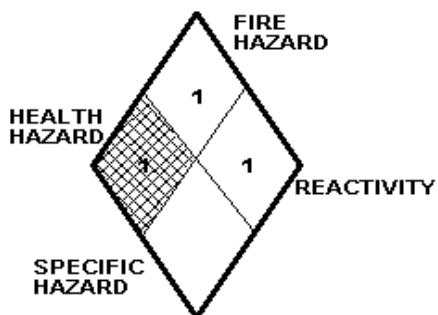
SECTION 5 HEALTH HAZARD DATA * EFFECTS OF OVEREXPOSURE

INHALATION: Vapor from heated material may cause headache, nausea, dizziness and discomfort in nasal or respiratory tract.
 EYE CONTACT: A component of this product causes severe eye irritation, experience of discomfort or pain, excess blinking and tear production, marked excess redness and swelling of the conjunctiva.
 SKIN CONTACT: Brief contact is not irritating. Prolonged contact may cause mild to moderate local redness and swelling.
 INGESTION: Slightly toxic. May produce signs of intoxication characterized by lack of coordination, dizziness, drowsiness and/or headaches depending on the amount of material ingested.
 CANCER: This product does not contain any carcinogens listed by NTP, IARC or OSHA.

SECTION 6 EMERGENCY AND FIRST AID PROCEDURES

INHALATION: Remove to fresh air. Obtain medical attention if symptoms persist.
 EYES: Immediately flush eyes with water and continue washing for 15 minutes. Do not remove contact lenses, if worn. Obtain medical attention without delay, preferably from an ophthalmologist.
 SKIN: Remove contaminated clothing. Wash skin with soap and water. Obtain medical attention if irritation persists.
 INGESTION: If patient is fully conscious, give two glasses of water. Induce vomiting. Obtain medical attention.

SECTION 7 HMIS RATING SYSTEM



HMIS RATING
 HEALTH HAZARD: 1
 FIRE HAZARD: 1
 REACTIVITY: 1
 PERSONAL PROTECTION: SEE SECTION 9

SECTION 8 REACTIVITY DATA

PRODUCT STABILITY: Stable

| | |
|-----------------------------------|--|
| Conditions to Avoid: | Avoid temperatures above 93 ⁰ C (200 ⁰ F) |
| CHEMICAL INCOMPATIBILITY: | Avoid contact with strong alkalis, strong oxidizing agents, acids and high temperature in presence with strong base. |
| HAZARDOUS DECOMPOSITION PRODUCTS: | Burning can produce carbon monoxide and carbon dioxide. |
| HAZARDOUS POLYMERIZATION PRODUCT: | Will not occur. |
| CORROSIVE TO METAL: | No |
| OXIDIZER: | No |

SECTION 9

SPECIAL PROTECTION INFORMATION

| | |
|-------------------------|--|
| RESPIRATORY PROTECTION: | None expected at room temperature. |
| VENTILATION: | Maintain adequate ventilation. |
| PROTECTIVE CLOTHING: | Use splash proof goggles. Chemical resistant gloves recommended. |

SECTION 10

ENVIRONMENT DATA

| | |
|--------------------------------|---|
| ENVIRONMENTAL TOXICITY: | None |
| SPILL OR LEAK PROCEDURES: | Small spills can be flushed with large amounts of water; Large spills should be contained and collected for disposal. Wear suitable protective equipment. |
| HAZARDOUS SUBSTANCE SUPERFUND: | None |
| WASTE DISPOSAL METHOD: | In accordance with local, state and federal regulations. |
| HAZARDOUS WASTE 40CFR261: | N/A |
| CONTAINER DISPOSAL: | In accordance with local, state and federal regulations. Do not incinerate closed containers. |

SECTION 11

SHIPPING DATA

| | |
|-----------------------------------|---------------|
| D. O. T. PROPER SHIPPING NAME: | None |
| HAZARDOUS SUBSTANCE 49CFR CERCLA: | None |
| D. O. T. HAZARD CLASS: | N/A |
| D. O. T. LABELS REQUIRED: | No |
| D. O. T. PLACARDS REQUIRED: | No |
| POISON CONSTITUENT: | No |
| BILL OR LADING DESCRIPTION: | MegaClean |
| PACKING GROUP: | None |
| UN / NA CODE: | Non-Hazardous |

SECTION 12

REGULATORY INFORMATION

| | |
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| CALIFORNIA (Proposition 65): to State | This product contains no listed substances known of California to cause cancer, birth defects or other |
|--|---|

reproductive harm, at levels which would require a warning under the statute.

MASSACHUSETTS (Right-To-Know):

Substance List (MSL) Hazardous Substances and Extraordinarily Hazardous Substances on the MSL must be identified when present in products. Components present in this product at a level which could require reporting under the statute are: NONE

PENNSYLVANIA (Right-To-Know):

Hazardous Substance List Hazardous Substances and Special Hazardous Substances on the List must be identified when present in products. Components present in this product at a level which could require reporting under the statute are:

HAZARDOUS SUBSTANCE (= >1%)

| <i>Chemical</i> | <i>CAS#</i> | <i>Concentration</i> |
|-----------------|-------------|----------------------|
| Glycol Ethers | none | 100% |

SECTION 13

SUPPLIER INFORMATION

WHILE MICRONOVA MANUFACTURING, INC. BELIEVES THE STATEMENTS SET FORTH HEREIN ARE ACCURATE AS OF THE DATE HEREOF, MICRONOVA MANUFACTURING MAKES NO WARRANTY WITH RESPECT THERETO AND EXPRESSLY DISCLAIMS ALL LIABILITY FOR RELIANCE THEREON. SUCH DATA ARE OFFERED SOLELY FOR YOUR CONSIDERATION, INVESTIGATION, AND VERIFICATION.