



MATERIAL SAFETY DATA SHEET

MACHINE CLEANER & DEGREASER

| I. PRODUCT AND MANUFACTURER INFORMATION | |
|--|---|
| Product name | MACHINE CLEANER & DEGREASER |
| Chemical name | CHEMICAL CLEANER AND DEGREASER |
| Synonyms | NA |
| CAS number | NE |
| Manufacturer | Ashburn Chemical Technologies 2911 Rusk Houston, TX 77003 |
| Emergency phone number | 713-425-3000 |
| Date of last revision | 12-23-02 |

| II. HAZARDOUS INGREDIENTS | | | | | |
|---|--------------|------------|----------|-----------|--------------------------------|
| HAZARDOUS COMPONENT | CAS NUMBER | % Optional | OSHA PEL | ACGIH TLV | CHEMICAL AND/OR COMMON NAME(S) |
| Proprietary Quaternary Ammonium Compound | Proprietary | | NE | NE | |
| Proprietary Ethoxylated Alcohol | Proprietary | | NE | NE | |
| Proprietary Diluent | Proprietary | | NE | NE | |
| Ethylenediaminetetraacetic Acid Tetra-Sodium Salt | (10378-23-1) | | NE | NE | |
| Pyrophosphate Tetrapotassium | (7320-34-5) | | NE | NE | |
| Hexahydro-1,3,5,-tris(2-hydroxyethyl)-s-triazine | (4719-04-4) | | NE | NE | |

| III. PHYSICAL AND CHEMICAL CHARACTERISTICS | |
|---|-------------------------|
| Boiling point @ 760 mm Hg | >212 °F |
| Vapor pressure at 20 °C | 20 |
| Vapor density (air = 1) | >1 |
| Solubility in water | Complete |
| Appearance and color | Green liquid, mild odor |
| Specific gravity (H ₂ O = 1.0) | 1.02 |
| pH @10:1 | 10.35 |
| Melting point | NA |
| Evaporation rate (butyl acetate = 1) | <1 |

| IV. FIRE AND EXPLOSION HAZARD DATA | | | |
|---|-----------------|---------|---------|
| Combustible/Not combustible | Not combustible | | |
| Flammable/Not flammable | Not flammable | | |
| Pyrophoric/Not pyrophoric | Not pyrophoric | | |
| Explosive/Not explosive | Not explosive | | |
| Flash point (test method) | None | | |
| Flammable limits (in Air % by volume) | NA | LEL: NA | UEL: NA |
| Extinguishing media | NA | | |
| Special fire-fighting procedures or equipment | None | | |
| Unusual fire and explosion hazards | None | | |

| V. REACTIVITY DATA | |
|-----------------------------|------------|
| Material is stable/unstable | Stable. |
| Conditions to avoid | None Known |

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| Incompatibility (materials to avoid) | Avoid contact with strong acids and alkalis, and Magnesium |
| Hazardous decomposition or by-products | None known |
| Hazardous polymerization will/will not occur | Will not occur. |

| VI. HEALTH HAZARD DATA | |
|---|---|
| Note: data applies to the concentrate. Health hazard potential is reduced at use concentrations, if applicable. | |
| Threshold limit value | TLV for this product not established. Refer to the hazardous materials list for TLV of individual ingredients. |
| Primary route(s) of entry | Inhalation |
| Known Hazards Under 29 CFR 1910.1200 | |
| Mutagenic (genetic defects) | NO |
| Reproductive | NO |
| Systemic | NO |
| Teratogenic (birth defects) | NO |
| Carcinogen listed in: | |
| NTP (National Toxicology Program) | NO |
| IARC Monographs | NO |
| OSHA | NO |
| Signs and symptoms of exposure | |
| Inhalation | May cause headache or dizziness |
| Skin contact | May cause skin irritation, dryness |
| Eye contact | Contact with eyes will cause temporary eye irritation |
| Ingestion | May cause nausea, diarrhea |
| Emergency first aid procedures | |
| Inhalation | Remove to fresh air. Consult a physician if symptoms persist. |
| Skin contact | Wash off thoroughly with soap and water. Remove contaminated clothing and launder before re-use. Consult a physician if irritation persists |
| Eye contact | Flush with water for 15 minutes, seek medical attention. |
| Ingestion | If swallowed, do not induce vomiting. Never give anything by mouth to an unconscious person. Consult physician as soon as possible. |
| Medical conditions generally aggravated by exposure | None Known |
| Notes to physician | Treatment of overexposure should be directed toward the control of symptoms and the clinical condition. |

| VII. PRECAUTIONS FOR SAFE HANDLING AND USE | | |
|---|---|------|
| Steps to take if released or spilled | Contain spill. Use absorbent material. Sweep or mop up. | |
| Waste disposal method | Use approved treatment, transporters and disposal sites in accordance with local, state and federal laws. Do not flush to storm or sanitary sewer. | |
| Precautions for handling and storing | Avoid prolonged or repeated skin contact. Do not get in eyes. Avoid breathing oil mist. Store at room temperature out of direct sunlight, away from heat. Protect from freezing. Keep container closed when not in use. | |
| Hazard ratings | NFPA | HMIS |
| Health | 1 | 1 |
| Flammability | 0 | 0 |
| Reactivity | 0 | 0 |
| Personal protection | | |

| VIII. CONTROL MEASURES | |
|--|---|
| Protective gloves (type and material) | Not normally required under normal working conditions. Use chemical-resistant gloves in situations of overexposure. |
| Eye protection | Wear safety glasses or goggles if potential for eye contact exists. |
| Other protective clothing or equipment | Not normally required. |
| Respiratory protection (specify type) | Not needed under recommended conditions. |



| | |
|----------------------------|--|
| Ventilation and conditions | |
| Local | Yes |
| Mechanical | Recommended |
| Other | None |
| Work/hygienic practices | Do not wear contaminated clothing. Wash hands prior to eating, drinking, smoking or use of restroom and when leaving work. |

| IX. ADDITIONAL REGULATORY INFORMATION | |
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| SARA hazard category (Section 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III)) | None |
| Toxic chemical(s) subject to the supplier notification requirements of section 313 of the Superfund Amendment and Reauthorization Act of 1986 (SARA) and the requirements of 40 CFR part 372 | None |
| Ingredient(s) regulated under the Clean Air Act Section 112 hazardous air pollutants and subject to all reporting requirements of CERCLA (Superfund) | None |

NA – not applicable NR – not reported ND – not determined NE – not established UN – unknown

The information presented in this MSDS has been compiled from sources deemed reliable. This MSDS is presented in good faith and believed to be accurate as of the effective date shown above. No warranty, expressed or implied, is given. Regulatory requirements are subject to change and may differ from one location to another. It is the responsibility of the buyer to insure compliance with federal, state, provincial and local laws and regulations.