

Safety Data Sheet

ViroGuard No Rinse

SECTION I - IDENTIFICATION

PRODUCT IDENTIFIER: ViroGuard No Rinse
PRODUCT CODE: 4376-75
RECOMMENDED USE: Coil Cleaner
RESTRICTIONS ON USE: None Known
COMPANY NAME: Nu-Calgon
COMPANY ADDRESS: 2611 Schuetz Road, St. Louis, MO 63043
COMPANY PHONE: 800-554-5499/314-469-7000
EMERGENCY PHONE: 800-424-9300

SECTION II – HAZARDS IDENTIFICATION

CLASSIFICATION: Flammable Aerosol: Category 2

Liquefied Gas

Eye Irritant: Category 2A

HAZARD STATEMENT(S): **WARNING:** Flammable Aerosol. Contains gas under pressure; May explode if heated. Causes serious eye irritation.

This product contains the following percentage of chemicals of unknown toxicity: 0%

PRECAUTIONARY STATEMENTS: Keep away from heat, sparks, open flames, and hot surfaces. -No smoking. Do not spray on an open flame or other ignition source. Pressurized container: Do not pierce or burn, even after use. Protect from sunlight. Do not expose to temperatures exceeding 50C/122F. Store in a well-ventilated place. Wash hands thoroughly after handling. Wear eye/face protection. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.

SYMBOL:



HAZARDS NOT OTHERWISE CLASSIFIED: N/A

SECTION III – COMPOSITION/INFORMATION ON INGREDIENTS

HAZARDOUS INGREDIENT	CAS NUMBER	PERCENT
Butoxyethanol	111-76-2	1-10%
n-Butane	106-97-8	1-5%
Isopropanol	67-63-0	1-5%
Propane	74-98-6	1-3%
EDTA	60-00-4	0.5-1.5%
Potassium Hydroxide	1310-58-3	0.5-1.5%
4-Nonylphenol branched, ethoxylated	12087-87-0	0.1-1%

SECTION IV - FIRST AID MEASURES

EYES: Remove contact lenses. Flush with water for at least 15 minutes. See a physician if irritation persists.

INGESTION: Rinse mouth with water. Do not induce vomiting unless directed by medical authority. Seek medical attention if irritation persists.

INHALATION: Move to fresh air. If breathing is difficult, administer oxygen. If not breathing administer artificial respiration or at any sign of loss of consciousness seek immediate medical attention.

SKIN: Immediately wash with soap and water for 15 minutes. Remove contaminated clothing and shoes immediately. Seek medical attention if irritation develops.

ACUTE HEALTH HAZARDS: Eyes: redness, tearing, blurred vision

CHRONIC HEALTH HAZARDS: None known

NOTE TO PHYSICIAN: There is no specific treatment regimen. Treatment of overexposure should be directed at the control of symptoms and the clinical condition of the patient.

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SECTION V – FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA: Use appropriate media for surrounding fire.

UNSUITABLE EXTINGUISHING MEDIA: N/A

SPECIAL FIRE FIGHTING PROCEDURES: Wear NIOSH approved Self Contained Breathing Apparatus with a full face piece operated in a positive pressure demand mode with full body protective clothing when fighting fires.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Keep away from heat/sparks/open flames/hot surfaces. No smoking.

HAZARDOUS COMBUSTION PRODUCTS: Oxides of carbon

SECTION VI – ACCIDENTAL RELEASE MEASURES

PERSONAL PROTECTIVE EQUIPMENT: Refer to section VIII for proper Personal Protective Equipment.

SPILL: Use non-combustible material like vermiculite, sand or earth on spill sweep to clean. Dispose in accordance with local, state and federal laws. Small releases may be wiped up with wiping material.

WASTE DISPOSAL: Dispose of in accordance with federal, state, and local regulations. Do not flame cut, braze, or weld. Empty container very hazardous!

RCRA STATUS: Waste likely considered non-hazardous under RCRA, however, product should be fully characterized prior to disposal (40 CFR 261).

SECTION VII – HANDLING AND STORAGE

HANDLING AND STORAGE: Protect from sunlight. Store in a well ventilated place. Do not expose to temperatures exceeding 50°C/122°F. Pressurized container: Do not pierce or burn, even after use.

OTHER PRECAUTIONS: None Known

INCOMPATIBILITY: Strong acids

SECTION VIII – EXPOSURE CONTROLS/PERSONAL PROTECTION

HAZARDOUS INGREDIENT	OSHA PEL	ACGIH TLV
Butoxyethanol	50 ppm	20 ppm
n-Butane	1000 ppm	1000 ppm
Isopropanol	500 ppm	400 ppm
Propane	1000 ppm	1000 ppm
EDTA	Not Established	Not Established
Potassium Hydroxide	2 mg/m ³	2 mg/m ³
4-Nonylphenol branched, ethoxylated	Not Established	Not Established

ENGINEERING CONTROLS / VENTILATION: General ventilation should be used. Provide sufficient mechanical ventilation (general and/or local exhaust) to maintain exposure below the recommended exposure limits.

RESPIRATORY PROTECTION: Not required with adequate ventilation

PERSONAL PROTECTIVE EQUIPMENT: Safety glasses

ADDITIONAL MEASURES: Wash hands and clothing in contact with product after use.

SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Clear, Colorless Aerosol

ODOR: Citrus scent, moderate ammonia odor

ODOR THRESHOLD: N/D

pH: 11.3-11.7

MELTING POINT/FREEZING POINT: < 32°F (0°C)

INITIAL BOILING POINT AND BOILING RANGE: N/D

FLASH POINT: N/D

EVAPORATION RATE: < 0.8 (Slow)

FLAMMABILITY(solid/gas): Flammable Aerosol

UPPER/LOWER FLAMMABILITY OR EXPLOSIVE LIMITS:

LOWER FLAMMABILITY LIMIT: N/A

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UPPER FLAMMABILITY LIMIT: N/A
EXPLOSIVE LIMIT LOWER (%): N/D
EXPLOSIVE LIMIT UPPER (%): N/D
VAPOR PRESSURE (mm Hg): N/D
VAPOR DENSITY (AIR=1): N/D
RELATIVE DENSITY (H₂O=1): 0.99 - 1.10 @ 77° F (25°C)
SOLUBILITY(IES): 100% water
PARTITION COEFFICIENT: n-OCTANOL/WATER (K_{ow}): N/D
AUTOIGNITION TEMPERATURE: N/D
DECOMPOSITION TEMPERATURE: N/D
VISCOSITY: N/D

SECTION X – STABILITY AND REACTIVITY

REACTIVITY: Chemically active metals and acids
CHEMICAL STABILITY: Stable
POSSIBLE HAZARDOUS REACTIONS: None Known
CONDITIONS TO AVOID: Temperatures greater than 122°F may cause bursting.
INCOMPATIBLE MATERIALS: Strong acids
HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of carbon

SECTION XI – TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION: Not Established
ROUTES OF ENTRY: Eyes, Ingestion, Inhalation, Skin
EYES: Causes irritation, may cause mild burns if left untreated.
INGESTION: Causes gastrointestinal irritation, headaches, nausea, diarrhea, vomiting, abdominal cramps.
INHALATION: Causes dizziness, headaches upon long term exposure.
SKIN: Causes irritation, dermatitis with prolonged exposure.
MEDICAL CONDITION AGGRAVATED: Asthma, bronchitis, emphysema and other lung diseases and chronic nose, sinus or throat conditions. Skin irritation may be aggravated in individuals with existing skin disorders.
ACUTE HEALTH HAZARDS: Eyes: redness, tearing, blurred vision
CHRONIC HEALTH HAZARDS: None known
CARCINOGENICITY: OSHA: No ACGIH: No NTP: No IARC: No OTHER: No

SECTION XII – ECOLOGICAL INFORMATION

ECOTOXICITY: Butoxyethanol (111-76-2) Toxic to aquatic life only in high concentrations, lethal concentrations not available.
PERSISTENCE AND DEGRADABILITY: This product is biodegradable.
BIOACCUMULATIVE POTENTIAL: This product is not expected to bioaccumulate.
MOBILITY IN SOIL: This product is mobile in soil.
OTHER ADVERSE EFFECTS: None Known

SECTION XIII – DISPOSAL CONSIDERATIONS

WASTE DISPOSAL: Dispose of in accordance with federal, state, and local regulations. Do not flame cut, braze, or weld. Empty container very hazardous!
RCRA STATUS: Waste likely considered non-hazardous under RCRA, however, product should be fully characterized prior to disposal (40 CFR 261).

SECTION XIV - TRANSPORT INFORMATION

PROPER SHIPPING NAME: Aerosols, Ltd. Qty.
HAZARD CLASS/DIVISION: 2.1
UN/NA NUMBER: UN 1950
PACKING GROUP: N/A

AIR SHIPMENT

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PROPER SHIPPING NAME: Aerosols, flammable
HAZARD CLASS/DIVISION: 2.1
UN/NA NUMBER: UN 1950
PACKING GROUP: N/A

SHIPPING BY WATER:

VESSEL (IMO/IMDG)

PROPER SHIPPING NAME: Aerosols, Ltd. Qty.
HAZARD CLASS/DIVISION: 2.1
UN/NA NUMBER: UN 1950
PACKING GROUP: N/A
ENVIRONMENTAL HAZARDS WATER: N/A

SECTION XV - REGULATORY INFORMATION

TSCA STATUS: All Chemicals are listed or exempt.

CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT): None

SARA 311/312 HAZARD CATEGORIES: None

SARA 313 REPORTABLE INGREDIENTS: None

STATE REGULATIONS: California Proposition 65: None

INTERNATIONAL REGULATIONS: All components are listed or exempted.

NFPA HEALTH:	1	HMIS HEALTH:	1
NFPA FLAMMABILITY:	2	HMIS FLAMMABILITY:	2
NFPA REACTIVITY:	1	HMIS REACTIVITY:	1
NFPA OTHER:	None	HMIS PROTECTION:	A

SECTION XVI - OTHER INFORMATION

PREPARATION BY: Andrew Bach

DATE PREPARED: 09/12/2013

REVISION DATE: 4/16/2021

N/A = Not Applicable; N/D = Not Determined

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