
MATERIAL SAFETY DATA SHEET

SECTION 01 – CHEMICAL PRODUCT AND COMPANY IDENTIFICATION:

Chemical Name: **UltraSeal® PF-10 FOAM CLEANER**
Manufacturer: **NUCO INC.**
150 Curtis Drive
Guelph, Ontario N1K 1N5
Tel: (519)-823-4994
Fax: (519)-823-1099
Infotrac 24 Hour Emergency Tel: (800)-535-5053
Date: May 1, 2011
Prepared by: Technical Services Department
WHMIS Classification: A, B2, D2B
Product Use: Cleaning Solvent for Dispensing Guns

SECTION 02 – COMPOSITION / INFORMATION ON INGREDIENTS:

<u>Ingredients</u>	<u>CAS No.</u>	<u>%</u>	<u>LD50 (Oral-Rat)</u>	<u>LC50 (Inhalation-Rat)</u>
Acetone	67-64-1	60.0 - 100.0	5,800 mg/kg	Not available
Carbon Dioxide (Compressed Gas)	124-38-9	5.0 – 10.0	Not available	Not available

The ingredients listed above are controlled products as defined in CPR, am. SOR/88-555 or 29 CFR 1910.1200

SECTION 03 – HAZARDS IDENTIFICATION:

ROUTES OF ENTRY INTO THE BODY (ACUTE EFFECTS):

Eyes: Liquids and vapors are an irritant to the eyes, causing pain, lacrimation, and general inflammation.

Skin: May be mildly irritating to the skin. Continued exposure may lead to a dermatitis condition, or drying of the skin.

Inhalation: Avoid breathing vapor or mists. May cause headaches and dizziness. High vapor concentrations are irritating to the nose, throat and lungs and can cause central nervous system depression and chemical pneumonitis resulting from aspiration into the lungs following ingestion. Vapor can readily accumulate in confined or poorly ventilated areas.

Ingestion: Low ingestion hazard in normal use. Harmful if swallowed. Can cause nausea, vomiting, stomach pain and diarrhea.

WHMIS HAZARD SYMBOL(S):



DANGER: AEROSOL CAN CONTENTS UNDER PRESSURE AND HIGHLY FLAMMABLE. DO NOT HEAT ABOVE 120°F (49°C), PUNCTURE OR INCINERATE.

SECTION 04 - FIRST AID MEASURES:

Eyes: Flush with copious quantities of lukewarm water. Seek medical attention immediately.

Skin: Wash affected area thoroughly with water and non-abrasive soap. Afterwards, a mild skin cream may be applied to the irritated skin. If the irritation persists, seek medical attention.

Inhalation: Remove to fresh air if breathing difficulty is experienced. If necessary, provide oxygen or artificial respiration by trained personnel and obtain medical attention.

Ingestion: Do not induce vomiting. Drink several glasses of water. Consult physician. Do not give anything orally to an unconscious person.

SECTION 05 - FIRE FIGHTING MEASURES:

Flammable Conditions:	VAPOR CAN IGNITE EXPLOSIVELY AND CAN CAUSE FLASH FIRE. Never use around sparks, flames or other sources of ignition.
Extinguishing Media:	Carbon dioxide, dry chemical, Halon 1211 or chemical foam. Water can be used to cool fire exposed containers to prevent pressure build-up and possible explosion.
Fire Fighting Measures:	Self-contained breathing apparatus and protective clothing should be worn in fighting large fires involving chemicals. Determine the need to evacuate or isolate the area according to your local emergency plan.
Flash Point:	-4.0°F (-20.0°C) TCC
Flammability Limits:	Lower Explosion Limit - 2.6% by volume Upper Explosion Limit - 12.8% by volume
Autoignition Temperature:	Not available
Hazardous Decomposition Products:	Carbon oxides
Sensitivity - Impact:	Contents are not known to be sensitive to mechanical impact.
Static:	Not available

SECTION 06 – ACCIDENTAL RELEASE MEASURES:

Containment / Clean Up:	Restrict access to the area of the spill. Provide ventilation, NIOSH / MSHA approved respirator and protective clothing. Absorb spill with vermiculite. Dispose of saturated absorbant appropriately, since spontaneous heating may occur. Before disposing of containers, relieve the container of any pressure. Local, state, provincial, federal laws and regulations may apply to releases and disposal of this material, as well as those materials and items employed in the cleanup.
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SECTION 07 – HANDLING AND STORAGE:

Handling and Storage:	Store under dry conditions, between 60°F (15.5°C) and 80°F (26.6°C). Protect unused product from FREEZING. Use only in well ventilated area.
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SECTION 08 – EXPOSURE CONTROL / PERSONAL PROTECTION:

Component Exposure Limits:	<u>Acetone (CAS# 67-64-1)</u> : Provide adequate ventilation to control exposures within the following exposure guidelines: ACGIH TLV: 500 ppm (TWA) and OSHA PEL: 750 ppm (TWA). <u>Carbon Dioxide (Compressed Gas) (CAS# 124-38-9)</u> : Provide adequate ventilation to control exposures within the following exposure guidelines: ACGIH TLV: 5,000 ppm (TWA) and OSHA PEL: 1,000 ppm (TWA).
Respiratory:	If vapor levels are expected to exceed exposure guidelines, wear a NIOSH / MSHA approved, positive pressure, supplied air respirator.
Ventilation:	In indoor applications, passive ventilation (opening of doors and windows) is recommended. Local exhaust as necessary to keep exposure levels within guidelines.
Personal Protective Equipment:	Safety glasses with side-protection, impermeable gloves (e.g., neoprene, nitrile, silver shield (R)), coveralls or apron are important in preventing contamination of eyes, skin and clothing. Wash thoroughly after handling. Facilities storing or utilizing this product should be equipped with an eyewash facility and a safety shower.

SECTION 09 - PHYSICAL AND CHEMICAL PROPERTIES:

Physical State:	Liquid
Odor and Appearance:	Solvent odor, thin liquid
Odor Threshold:	Not available
Specific Gravity:	0.8
Vapor Pressure:	Contents under pressure greater than 50 psig (345 kPa). After release from container, vapor pressure is 125 mm Hg at 77°F (25°C).
Vapor Density:	2 (Air = 1)
Evaporation Rate:	14.4
Boiling Point:	133°F (56.1°C)
Freezing Point:	Not available
pH:	Not available
Coeff. Oil/Water Distribution:	Not available

SECTION 10 – STABILITY AND REACTIVITY:

Chemical Stability: Stable under normal conditions of use.
Incompatible Materials: Strong reducing agents, bases, amines, alcohols and small particle metal catalysts.
Reactive Conditions: Heat, sparks and open flame.
Hazardous Polymerization: Not applicable

SECTION 11 - TOXICOLOGICAL INFORMATION:

Effects of overexposure: Kidney damage and anemia can result from sustained high level exposure to Acetone (CAS# 67-64-1).
Sensitization: No known applicable information.
Carcinogenicity: No ingredients considered by IARC, NTP or OSHA to be carcinogens.
Reproductive Toxicity: Has been toxic to the fetus in lab animals at doses toxic to the mother.
Teratogenicity: No known applicable information.
Mutagenicity: No known applicable information.
Synergistic Products: Acetone (CAS# 67-64-1) is reported to potentiate the liver toxicity of chloroform.

SECTION 12 – ECOLOGICAL INFORMATION:

Air: Complete information is not yet available.
Water: Acute Toxicity to Fish:
LC50: 5540 mg/l *Oncorhynchus mykiss* (rainbow trout), 96h
LC50: 8300 mg/l *Lepomis macrochirus* (bluegill sunfish), 96h
LC50: 8120 mg/l *Pimephales promelas* (fathead minnow) 96h
Acute Toxicity to Aquatic Invertebrates: EC50: 10 mg/l *Daphnia magna* (water flea), 24h
Toxicity to algae: EC50: >100 mg/l, *Selenastrum capricornutum*, 96h
Soil: Complete information is not yet available.

SECTION 13 – DISPOSAL CONSIDERATIONS:

Waste Disposal: Relieve all pressure prior to disposal. Dispose in accordance with Federal, State / Provincial and local regulations.

SECTION 14 - TRANSPORT INFORMATION:

Shipping Information: For containers less than 1 liter:
GROUND TRANSPORT: UN Class ORM-D; Shipping Name - Consumer Commodity.
AIR TRANSPORT: UN1950 Aerosols, Flammable 2.1 (Flammable Gas Label). LIMITED QUANTITY. Packing Instruction (Cargo & Passenger) 203.
MARITIME TRANSPORT: UN1950 Aerosols, Flammable 2.1 (Flammable Gas Label). LIMITED QUANTITY.

Emergency Response Guide Numbers – Consumer Commodity #171, for Aerosols and Compressed Gas #126.

SECTION 15 - REGULATORY INFORMATION:

TSCA Inventory Status: Chemical components listed on TSCA inventory except as exempted.
NFPA Profile: Health 1, Flammability 3, Reactivity 0
SARA TITLE III Chemical Listings: **Section 302 Extremely Hazardous Substances (40 CFR 355):** Not known
Section 304 CERCLA Hazardous Substances (40 CFR 302): Not known
Section 311/312 Hazard Class (40 CFR 370): Acute: Yes; Chronic: Yes; Fire: Yes; Pressure: Yes; Reactive: No
Section 313 Toxic Chemicals (40 CFR 372): This product does not contain toxic chemicals which are subject to reporting under Section 313 (40 CFR Part 372).
State Substance List: This product contains a listed substance(s) that appears on one or more of the Substance Lists for Pennsylvania, Massachusetts and New Jersey: Acetone (CAS# 67-64-1).
California Proposition 65 List: No known applicable information.
Volatile Organic Content: U.S. EPA has exempted this product from VOC status.
Domestic Substance List: Chemical components listed on DSL except as exempted.

SECTION 16 - OTHER INFORMATION:

The information herein is given in good faith, but no warranty, express or implied, is made. Product users should make independent judgements of the suitability of this information to ensure proper use and to protect the health and safety of employees.

Form: MSDSULTRASEALPF-10FOAMCLEANER Rev.: 6 Date: 05/11