
SAFETY DATA SHEET

SECTION 1 – IDENTIFICATION:

Product name: UltraSeal® PF-10 FOAM CLEANER
Recommended use: Cleaning Solvent for Dispensing Guns
Restrictions on use: No further information available
Manufacturer: NUCO INC.
150 Curtis Drive
Guelph, Ontario N1K 1N5
Tel: (519)-823-4994
Fax: (519)-823-1099

Emergency telephone: Infotrac 24 Hour Emergency Tel: (800)-535-5053

SECTION 2 – HAZARDS IDENTIFICATION:

GHS Classification: Flammable Aerosol – Category 1
Gas Under Pressure – Compressed Gas
Eye Irritation – Category 2
Respiratory Sensitization – Category 1
Specific Target Organ Toxicity-Single Exposure – Category 3

GHS Label elements:

Hazard symbols:



Signal word: Danger

Hazard statements: H222 Extremely flammable aerosol.
H280 Contains gas under pressure; may explode if heated.
H319 May cause serious eye irritation.
H336 May cause drowsiness or dizziness.

Precautionary Statements:

Prevention: P102 Keep out of reach of children
P210 Keep away from heat/sparks/open flames/hot surface-No smoking
P211 Do not spray on an open flame or other ignition source
P251 Pressurized container: Do not pierce or burn, even after use
P260 Do not breath mist/vapours/spray
P262 Do not get in eyes, on skin or on clothing
P271 Use only outdoors or in a well-ventilated area
P280 Wear protective gloves, protective clothing and eye protection

Response: P304+P341 If inhaled: if breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P314 Get medical advice if you feel unwell.
P342+P311 If experiencing respiratory symptoms: Call a POISON CENTER or doctor
P370+P378 In case of fire: Use water fog, foam, dry chemical or carbon dioxide for extinction.
P381 Eliminate all ignition sources if safe to do so.

Storage: P403+P405 Store in a well-ventilated place. Store locked up.
P410 Protect from sunlight
P412 Do not expose to temperature exceeding 50°C (122°F).

Disposal: P501 Dispose of contents/container in accordance with applicable local, regional, national and international regulations.

Other hazards: None known

Supplemental information: No further information available

SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS:

Substance/Mixture : Mixture

Chemical Name	CAS No.	Concentration (%)
Acetone	67-64-1	90.0 - 100.0
Carbon Dioxide	124-38-9	0.0 – 10.0

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentration applicable, are classified as hazardous to the health and environment and hence require reporting in this section.

SECTION 4 - FIRST AID MEASURES:

Eye Contact: Flush with copious quantities of lukewarm water for at least 15 minutes. Remove contact lenses, if present and easy to do . If irritation persists, get medical attention immediately.

Skin Contact: 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. Rinse mouth thoroughly with water. Consult physician. Do not give anything orally to an unconscious person.

Most important symptoms/effects, acute and delayed:

Eye: Causes serious eye irritation. Symptoms may include stinging, tearing, redness, swelling and blurred vision.

Skin: May cause skin irritation. Repeated or prolonged exposure may cause drying and cracking of skin. May be absorbed by the skin.

Inhalation: May be harmful if inhaled. High concentrations may cause central nervous system effects characterized by nausea, headache, dizziness or drowsiness.

Ingestion: May be harmful if swallowed. May cause gastrointestinal irritation: stomach distress, nausea or vomiting.

Chronic: Chronic inhalation may cause similar effects to those of acute inhalation. Chronic inhalation may cause liver and kidney damage. Prolonged or repeated skin contact may cause dermatitis.

Indication of immediate medical attention and special treatment needed:

Provide general supportive measures and treat symptomatically. Symptoms may not appear immediately. In case of an accident or if you feel unwell, seek medical advice immediately.

SECTION 5 - FIRE FIGHTING MEASURES:

Suitable 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.

Unsuitable Extinguishing Media: Do not use water jets and high pressure water as these may spread the fire.

Specific hazards arising from the chemical: Extremely flammable aerosol. Contains flammable liquid and vapour. Closed containers may explode due to build up of pressure when exposed to extreme heat. Vapours are heavier than air and may travel to a source of

ignition and flash back. During a fire irritating and highly toxic gas may be generated by thermal decomposition or combustion. Exposure to combustion products may be hazard to health.

Special protective equipment and precautions for fire fighters:

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.

SECTION 6 – ACCIDENTAL RELEASE MEASURES:

Personal precautions, protective equipment and emergency procedures:

Use personal protective equipment recommended in Section 8. Isolate the hazard area. Eliminate sources of ignition. Avoid breathing vapor.

Environment precautions:

Discharged into the environment must be avoided. Retain and dispose of contaminated wash water. Local authorities should be advised if significant spillages cannot be contained.

Methods and materials for containment and cleaning up:

Restrict access to the area of the spill. Provide ventilation, NIOSH/MHSA approved respirator and protective clothing. Absorb spill with vermiculite. Dispose of saturated absorbant appropriately as materials used in clean-up may be considered hazardous waste. Before disposing of containers, relieve the container of any pressure. Local, state, provincial, federal laws and regulations may apply to release and disposal of this material, as well as those materials and items employed in the cleanup.

SECTION 7 – HANDLING AND STORAGE:

Precautions for safe handling:

Keep away from sources of ignition-No smoking. Do not spray on an open flame or other ignition source. Pressurized container: do not pierce or burn. Container may explode if heated. Use only in a well-ventilated area or outdoors. When using, do not eat, drink or smoke.

Conditions for safe storage, including any incompatibilities:

Store under dry conditions, between 15.5°C (60°F) and 26.6°C (80°F). Keep away from sources of ignition. Do not expose to open flame or temperatures above 50°C (122°F). Protect unused product from FREEZING. Keep containers upright. Keep away from children.

SECTION 8 – EXPOSURE CONTROL / PERSONAL PROTECTION:

Control Parameters:

Ingredient	CAS No.	OSHA-PEL TWA	ACGIH-TLV	NIOSH
Acetone	67-64-1	1000 ppm 2400 mg/m ³	500 ppm TWA 750 ppm STEL	250 ppm; 590 mg/m ³ TWA 2500 ppm IDLH (LEL)
Carbon Dioxide	124-38-9	5000 ppm 9000 mg/m ³	5000 ppm;9000 mg/m ³ TWA 30,000 ppm; 54,000 mg/m ³ STEL	1000 ppm;9000 mg/m ³ TWA 30,000 ppm; 54,000mg/m ³ STEL 40,000 ppm IDLH

Engineering controls:

If vapor levels are expected to exceed exposure guidelines, wear a NIOSH / MSHA approved, positive pressure, supplied air respirator. 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 9 - PHYSICAL AND CHEMICAL PROPERTIES:

Appearance:	Aerosol-clear, colorless liquid
Odor:	Solvent odor, thin liquid
Odor threshold:	13-20 ppm
pH:	7
Melting point/Freezing point:	No data available
Initial boiling point and boiling range:	56.1°C (133°F)
Flash point:	-18°C (0°F)
Evaporation rate:	5.6
Flammability:	Highly flammable
Lower flammability/Explosive limit:	2.5%
Upper flammability/Explosive limit:	12.8%
Vapor pressure:	231 mm Hg at 25°C (77°F)
Vapor density:	2 (Air = 1)
Specific gravity:	0.81
Solubility:	Soluble
Partition coeff.: n-octanol/water:	log PoW = -0.24
Auto-ignition temperature:	540°C (1004°F)
Decomposition temperature:	No data available
Viscosity:	No data available
VOC content:	0 g/L (acetone and carbon dioxide are VOC exempt compounds)

SECTION 10 – STABILITY AND REACTIVITY:

Reactivity:	No dangerous reaction known under conditions of normal use.
Chemical stability:	Stable under normal storage conditions.
Possibility of hazardous reactions:	Contents are under pressure and exposure to high temperature can cause containers to rupture or explode. Avoid excessive heat and sources of ignition. Reacts with strong oxidizing agents.
Conditions to avoid:	Heat, incompatible materials and sources of ignition.
Incompatible materials:	Strong oxidizing agents, strong acids and bases, halogenated compounds, reducing agents, rubber, various plastics.
Hazardous decomposition products:	Oxides of carbon, irritating and toxic fumes.

SECTION 11 - TOXICOLOGICAL INFORMATION:**Information on the likely routes of exposure:**

Inhalation:	Prolonged inhalation may be harmful.
Ingestion:	May be harmful if swallowed.
Skin contact:	May cause skin irritation.
Eye contact:	May cause serious eye irritation.

Symptoms related to the physical, chemical and toxicological characteristics:

No information available.

Acute toxicity:

LD50 (Oral-Rat): 5,800 mg/kg (acetone)
LC50 (Inhalation-Rat): 55,700 ppm, 3 hrs. (acetone)
LD50 (Dermal-Rabbit): 7,426 mg/kg, 24 hrs. (acetone)

Skin corrosion/irritation:

May cause skin irritation.

Serious eye damage/irritation:

May cause serious eye irritation.

Aspiration hazard:

No data available.

Specific target organ toxicity - single exposure:

May cause drowsiness or dizziness.

Specific target organ toxicity – repeated exposure:

No data available.

Respiratory or skin sensitization:

No data available.

Carcinogenicity:

Acetone (CAS# 67-64-1): ACIGH A4 Carcinogen- not classified as a human carcinogen. Not listed as a carcinogen by IARC, OSHA or NTP.

Reproductive toxicity: No data available.
Teratogenicity: No data available.
Germ-Cell Mutagenicity: Test data using laboratory animals was predominately negative.

SECTION 12 – ECOLOGICAL INFORMATION:

Ecotoxicity:

Aquatic ecotoxicity (Acetone): LC50: Oncorhynchus mykiss (rainbow trout), 5,540 mg/L, 96 hrs.
 LC50: Lepomis macrochirus (bluegill sunfish), 8,300 mg/L, 96hrs.
 LC50: Pimephales promelas (fathead minnow), 7,280 - 8,180 mg/L, 96hrs.

Acute toxicity to aquatic invertebrates: EC50: Daphnia magna (water flea), 6,100 mg/L, 48 hrs.

Acute and prolonged toxicity to aquatic plants: EC50: Selenastrum capricornutum (green algae), >100 mg/L, 96 hrs.

Acute toxicity to aquatic microbes: EC50: Activated sludge – 59-67.4 mg/L, 30 min.

Persistence and degradability: Not readily biodegradable.

Bioaccumulative potential: Does not bioaccumulate.

Mobility in soil: Material volatilizes and leeches when released to soil.

Other adverse effects: Do not allow material to run into surface waters, waste water or soil.
 An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

SECTION 13 – DISPOSAL CONSIDERATIONS:

Disposal instructions: Before disposing of containers, collect and reclaim or dispose in sealed container at licensed waste disposal site. Relieve all pressure prior to disposal. Dispose of contents/container in accordance with local, regional, national and international regulations.

RCRA Hazardous waste U list: Acetone (CAS #67-64-1) U002

Waste from residues: Dispose of in accordance with local regulations.

Contaminated packaging: Do not puncture or incinerate containers.
 Empty containers should be taken to an approved waste handling site for recycling or disposal.

SECTION 14 - TRANSPORT INFORMATION:

Shipping Information:

For containers 1 liter or less:

		*Due to changes in December 2020: see shipping papers for exact 49 CFR descriptions.
Ground	Consumer Commodity ORM-D	Limited Quantity
Air	UN1950 Aerosols, Flammable 2.1 (Flammable Gas Label) LIMITED QUANTITY Packing Group – Not applicable	UN1950 Aerosols, Flammable 2.1 (Flammable Gas Label) LIMITED QUANTITY Packing Instructions (Cargo & Passenger) 203
Water	UN1950 Aerosols, Flammable 2.1 (Flammable Gas Label) LIMITED QUANTITY	UN1950 Aerosols, Flammable 2.1 (Flammable Gas Label) LIMITED QUANTITY

*This product meets the exception requirements of section 49 CFR 173.306 as a limited quantity and may be shipped as a limited quantity. Until 12/31/2020, the "Consumer Commodity-ORM-D" marking may still be used in place of the new limited quantity diamond mark for packages of UN1950 Aerosols. Limited quantities require the limited quantity diamond mark on cartons after 12/31/2020.

SECTION 15 - REGULATORY INFORMATION:**U.S. Federal Regulations:****OSHA Hazard Communication Standard:**

This material is classified as hazardous in accordance with OSHA 29 CFR 1910 – 1200.

SARA 302/304 Extremely Hazardous Substances:

No components of this product are subject to the reporting requirements of these sections of Title III of SARA.

SARA 302/304 Emergency Planning & Notification:

No components of this product are subject to the reporting requirements of these sections of Title III of SARA.

SARA 311/312 Hazards: Acute Health Hazard, Fire Hazard, Sudden Release of Pressure Hazard

SARA 313:

None of the components of this product are subject to the reporting requirements established by Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986.

Comprehensive Response Compensation and Liability Act (CERCLA):

This product contains the following CERCLA reportable substance: Acetone (CAS# 67-64-1): RQ- 2,268 kg (5,000 lbs)

Clean Air Act (CAA):

This product does not contain any substances listed as Hazardous Air Pollutants (HAPs) designated in CAA Section 112(b). This product does not contain any Class 1 and Class 2 Ozone depleters.

Clean Water Act (CWA):

Acetone (CAS# 67-64-1) is listed as a Hazardous Substance under the CWA.

None of the chemicals in this product are listed as Priority Pollutants under the CWA.

None of the chemicals in this product are listed as Toxic Pollutants under the CWA.

U.S. State Regulations:**California Proposition 65:**

This product is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

Other U.S. State Inventories:

Acetone (CAS #67-64-1) is listed on the following State Hazardous Substance Inventories, Right-to-Know lists and/or Air Quality/Air Pollutants lists: CA, DE, FL, ID, ME, MA, MN, NJ, PA, RI.

Carbon Dioxide (CAS #124-38-9) is listed on the following State Hazardous Substance Inventories, Right-to-Know lists and/or Air Quality/Air Pollutants lists: MA, NJ, PA, RI.

The ingredients of this product are reported in the following inventories:

TSCA: All components of this product are listed or exempted from listing on the TSCA inventory of Chemical Substances.

DSL: All chemical substances in this product comply with the CEPA 1999 and NSNR and are on or exempted from listing on the Canadian Domestic Substances List (DSL).

Canadian National Pollutant Release Inventory (NPRI): None of the ingredients are listed on the NPRI.

NFPA Profile: Health 1, Flammability 3, Reactivity 0

SECTION 16 - OTHER INFORMATION:**Prepared by:**

Technical Services Department

Revision date:

April 16, 2015

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: SDSULTRASEALPF-10FOAMCLEANER **Rev.:** 8 **Date:** 04/15