



MATERIAL SAFETY DATA SHEET

Section 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: Kleen-Again™ Gun and Brush Cleaner
Manufacturer: FRANMAR CHEMICAL, INC.
10282 E. 1400 North Rd. Bloomington, IL 61705
Emergency Telephone Numbers: (309) 828-2900

Section 2: HAZARD IDENTIFICATION

Emergency Overview

N/A

Routes of Entry

Inhalation, eye, skin contact.

Health Effects: Eyes

Eye irritant.

Health Effects: Skin

Causes irritation on prolonged contact.

Health Effects: Ingestion

May be harmful if swallowed.

Health Effects: Inhalation

N/A

Medical Conditions Generally Aggravated By Exposure / Target Organs

None known.

Section 3: COMPOSITION, INFORMATION ON INGREDIENTS

Ingredient Name	CAS Number	Percent
N-Methyl Pyrrolidone	872-50-4	35-42%
Dibasic Ester - LVP	627-93-0/1119-40-0	35-42%
Soy Ester	67784-80-9	9-15%
Proprietary Surfactant Blend		12-17%

Section 4: FIRST AID MEASURES

Eyes

Immediately flush eyes with running water for 15 minutes. Obtain medical aid.

Skin

Wash with soap and water. If irritation persists, obtain medical aid. Launder contaminated clothing before reuse.

Ingestion

Do not induce vomiting. Immediately call a physician.

Inhalation

N/A

Section 5: FIRE FIGHTING MEASURES

Flash Point

Over 200°F (PMcc)

Flammable Limits

Not established.

Extinguishing Media

Dry chemical, Chemical foam, CO₂

Special Fire Fighting Procedures

Fire fighters should be equipped with self-contained breathing apparatus and protective clothing.

Unusual Fire & Explosion Hazards

None.

Section 6: ACCIDENTAL RELEASE MEASURES

Release or Spill

Wear protective clothing. Contain the spill. Hold for disposal.

Section 7: HANDLING AND STORAGE

Handling and Storage

Normal care in handling and storage. Keep out of reach of children.

Section 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

Personal Protective Equipment: Respiratory

None normally needed. For spray application, vaporization due to heat, or where exposure may be excess, use NIOSH approved chemical cartridge (organic vapor) respiratory equipment (full face respirator is recommended).

Personal Protective Equipment: Eye / Face

Chemical splash goggles.

Personal Protective Equipment: Skin

Nitrile or Neoprene.

Protective Clothing or Equipment

As required.

Engineering Controls / Ventilation

Mechanical normally sufficient.

Work / Hygienic Practices

Practice reasonable care and cleanliness. Avoid prolonged breathing of vapors.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	N/A
pH:	6.50
Boiling Point:	Above 300°F
Vapor Pressure:	<2 MM Hg @ 20°C
Vapor Density:	N/A
Specific Gravity:	>1 (Air=1)
Solubility In Water:	Emulsifiable.
Appearance and Odor:	Colorless liquid.
Color:	Pale yellow
Freezing / Melting Point:	N/A
Evaporation Rate:	Less than 1 (n-butyl acetate=1)
VOC:	39.01%, 3.39 lbs/gal, 405.72 g/L
Viscosity:	~1 CPS

Section 10: STABILITY AND REACTIVITY

Stability

Stable.

Conditions to Avoid

Strong oxidizing agents.

Hazardous Decomposition or By-Product

Produces carbon monoxide and carbon dioxide on combustion.

Hazardous Polymerization

None.

Section 11: TOXICOLOGICAL INFORMATION

Acute Data

N/A

Carcinogenicity

Not listed by NTP, IARC, OSHA

Reproductive Effects

This product contains a chemical (N-Methyl-2-Pyrrolidone) known to the state of California to cause birth defects or other reproductive harm.

Target Organ Effects

N/A

Section 12: ECOLOGICAL INFORMATION

Environmental Fate

Not Determined

Environmental Effects

Not Determined

Section 13: DISPOSAL CONSIDERATIONS

Waste Disposal

Dispose of in accordance with all existing local, state and federal ordinances.

Section 14: TRANSPORT INFORMATION

UN Hazard Class

Non-Hazardous

DOT Transportation Data

Not classified as dangerous

NMF *(National Motor Freight Classification)*

0485003

Proper Shipping Name

Not regulated

Identification Number

Not regulated

Packing Group

Not classified as dangerous

Shipping Classification

None

DOT Classification

Non-Hazardous

DOT Proper Shipping Name

Not regulated

Section 15: REGULATORY INFORMATION

Other Regulatory Requirements

SARA 302/304

This product contains no known chemicals regulated under SARA 302/304.

SARA 311/312

Based upon available information, this material is classified as the following health and/or physical hazards according to Section 311 & 312:

SARA 313

This product contains the following chemicals subject to the reporting requirements of SARA Title III, Section 313 and 40 CFR 372: N-Methyl-Pyrrolidone (40%-45%) CAS# 872-50-4

State Reporting

Known to the State of California to cause birth defects.

872-50-4 N-Methyl Pyrrolidone (December 11, 2009)

This product contains the following chemicals regulated by New Jersey's Worker and Community Right to Know Act:

872-50-4 N-Methyl Pyrrolidone

This product contains the following chemicals regulated by Massachusetts' Right to Know Law:

872-50-4 N-Methyl Pyrrolidone

This product contains the following chemicals regulated by Pennsylvania's Right to Know Act:

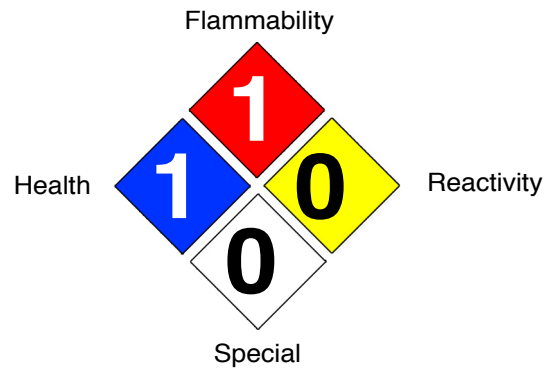
872-50-4 N-Methyl Pyrrolidone

Section 16: OTHER INFORMATION

Other Information

NFPA HAZARD RATING

- 4 - Extreme
- 3 - High
- 2 - Moderate
- 1 - Slight
- 0 - Insignificant



The stated MSDS is reliable to the best of the company's knowledge and believed accurate as of the date indicated. However, no representation, warranty or guarantee of any kind, expressed or implied, is made as to its accuracy, reliability or completeness and we assume no responsibility for any loss, damage or expense, direct or consequential, arising out of use. It is the user's responsibility to satisfy himself as to the suitability and completeness of such information for his own particular use.