

45248-1001



SAFETY DATA SHEET (GHS)

Section 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product / Chemical Name:

Haze Remover - d-Haze

Other Means Of Identification:

Ghost and Haze Remover

Recommended Use Of The Product / Chemical And Restrictions On Use:

Removal ghost and haze images from screen mesh.

Manufacturer / Company Information:

Franmar Chemical, Inc.
10282 E. 1400 North Rd.
Bloomington, IL 61705
1-800-538-5069 / 1-309-828-2900

For Chemical Emergency - Spill, Leak, Fire, Exposure, or Accident Call:

CHEMTREC Day or Night: Within USA and Canada: 1-800-424-9300
CCN717946 or +1 703-527-3887 (collect calls accepted)

Health: 1
Flammability: 1
Reactivity: 0
Special: 0

NFPA HAZARD RATING
4 - Extreme
3 - High
2 - Moderate
1 - Slight
0 - Insignificant

Section 2: HAZARD IDENTIFICATION

Classification Of Product / Chemical Mixture And Any National or Regional Information:

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

GHS Statements:

GHS Signal Word: DANGER

GHS Hazard Phrases: (H315) Causes skin irritation. (H319) Causes serious eye irritation. (H335) May cause respiratory irritation or may cause drowsiness and dizziness. (H360) May damage fertility or the unborn child if ingested. (H302) May be harmful if swallowed.


Other Hazards Which Do Not Result In Classification:

Preexisting skin disorders generally aggravated by exposure.

**SAFETY DATA SHEET (GHS)****Section 3: COMPOSITION, INFORMATION ON INGREDIENTS**

<u>Ingredient Name</u>	<u>CAS Number</u>	<u>Percent</u>
N-Methyl Pyrrolidone	872-50-4	35-49%
Dibasic Ester - LVP	627-93-0/1119-40-0	35-49%
Soy Ester	67784-80-9	10-13%
Surfactant Blend	68439-46-3	12-16%

Other Chemical Information:

Specific data not available.

Section 4: FIRST AID MEASURES**Necessary Measures For Routes Of Exposure:****Inhalation:**

Remove to fresh air and keep at rest in a position comfortable for breathing. Call a doctor/physician if you feel unwell.

Skin:

If on skin, wash with plenty of soap and water. Take off contaminated clothing and wash before reuse. If skin irritation occurs seek medical advice/attention.

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 advice/attention.

Ingestion:

Call a doctor/physician if you feel unwell.

Important Symptoms/Effects, Acute and Delayed:

Specific data not available.

Immediate Medical Attention And Special Treatment Needed:

Specific data not available.



SAFETY DATA SHEET (GHS)

Section 5: FIRE FIGHTING MEASURES

Suitable (and unsuitable) Extinguishing Media:

Dry chemical, CO2, Water spray or Foam.

Hazards Arising From The Product/Chemical (e.g., nature of any hazardous combustion products):

None known.

Special Fire Fighting Procedures:

Use water spray to cool containers.

Section 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures:

Wear protective clothing.

Environmental Precautions:

Specific data not available.

Methods and Materials for Containment and Cleaning Up:

Contain the spill and hold for disposal.

Section 7: HANDLING AND STORAGE

Precautions For Safe Handling:

Keep out of reach of children. Read label before use.

Conditions For Safe Storage, Including Any Incompatibilities:

Specific data not available.



SAFETY DATA SHEET (GHS)

Section 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

Control Parameters, e.g., Occupational Exposure Limit Values or Biological Limit Values:

Specific data not available.

Appropriate Engineering Controls:

Not required. Mechanical generally sufficient.

Individual Protective Measures, Such As Personal Protective Equipment:

Neoprene or equivalent gloves, chemical goggles. Avoid eye and skin contact.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance (physical state, color, etc.):	Gold/Yellow color	Flammability (solid, gas):	1
Odor:	Mild odor	Upper/Lower Flammability or Explosive Limits:	N/A
Odor Threshold:	N/A	Vapor Pressure:	< .5 mmHg @ 20°C
pH:	8.1	Vapor Density:	N/A
Freezing / Melting Point:	Below 32°F	Relative Density:	N/A
Boiling Point and Boiling Range:	Above 300°F	Partition Coefficient (n-octanol/water):	N/A
Flash Point:	Above 200°F (PMcc)	Autoignition Temperature:	> 500°F
Evaporation Rate:	Less than 1 (n-butyl acetate=1)	Decomposition Temperature:	N/A
Solubility:	Emulsifiable	VOC:	39.18%, 408.11 g/L, 3.41 lbs/gal

**SAFETY DATA SHEET (GHS)****Section 10: STABILITY AND REACTIVITY****Chemical Stability:**

Stable

Possibility Of Hazardous Reactions:

Will not occur.

Conditions To Avoid (e.g., static discharge, shock or vibration):

Strong oxidizing agents.

Incompatible Materials:

Specific data not available.

Hazardous Decomposition Products:

Produces carbon monoxide and carbon dioxide on combustion.

Section 11: TOXICOLOGICAL INFORMATION**Information On The Likely Routes Of Exposure (inhalation, ingestion, skin and eye contact):**

SKIN: (H315) Causes skin irritation.

EYE: (H319) Causes serious eye irritation.

INHALATION: (H335) May cause respiratory irritation or may cause drowsiness and dizziness.

INGESTION: (H302) May be harmful if swallowed.

(H360) May damage fertility or the unborn child if ingested.

Symptoms Related To The Physical, Chemical and Toxicological Characteristics:

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

Temporary blurred vision has been reported with inhalation, skin and eye contact.



SAFETY DATA SHEET (GHS)

Delayed and Immediate Effects and Also Chronic Effects From Short- and Long-Term Exposure:

Results from a number of long-term carcinogenicity studies and short-term tests are available. Taking into account all of the information, there is no indication that the substance itself is carcinogenic.

Numerical Measures Of Toxicity (such as acute toxicity estimates):

Oral: LD50/mouse: 5,270 mg/kg. Slightly toxic.

Inhalation: LC50/rat: >5.1 mg/L / 4h.

Inhalation-risk test (IRT): No mortality within 8 hours as shown in animal studies. The inhalation of a highly saturated vapor-air mixture represents no acute hazard.

Dermal: LD50/rabbit: 4,000 - 8,000 mg/kg. Moderately Toxic.

Eye irritation: rabbit: Irritant. (Vendor-Test)

Sensitization: Skin sensitizing effects were not observed in animal studies. Literature data.

Section 12: ECOLOGICAL INFORMATION

Ecotoxicity (aquatic and terrestrial, where available):

Acute and prolonged toxicity to fish: golden orfe/LC50 (96 h): >500 mg/L

Acute toxicity to aquatic invertebrates: Daphnia magna/EC50 (24 h): >1,000 mg/l

Toxicity to aquatic plants: green algae/EC50 (72 h): >500 mg/L

Toxicity to microorganisms: OECD Guideline 209 bacterium/EC20 (30 min): >600 mg/L

Inhibition of degradation activity in activated sludge is not to be anticipated during correct introduction of low concentrations.

Persistence and Degradability:

Chemical oxygen demand (COD): 1,600 mg/L

Biochemical oxygen demand (BOD): Incubation period 5 d: <2 mg/g

Absorbable organically-bound halogen (AOX): This product contains no organically-bound halogen.

Bioaccumulative Potential:

Biodegradation:

Test method: OECD 301 E/92/69/EEC, C.4-B

Method of analysis: DOC reduction

Degree of elimination: >90%

Evaluation: Readily biodegradable.

Mobility In Soil:

Not Determined

Other Adverse Effects:

Not Determined



SAFETY DATA SHEET (GHS)

Section 13: DISPOSAL CONSIDERATIONS

Description Of Waste Residues and Information On Their Safe Handling and Methods Of Disposal, Including The Disposal Of Any Contaminated Packaging:

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

Section 14: TRANSPORT INFORMATION

UN Number:

Non-Hazardous

UN Proper Shipping Name:

Not regulated

Transport Hazard Class(es):

Not classified as dangerous

Packing Group (if applicable):

Not classified as dangerous

Marine Pollutant (Yes/No):

Specific data not available.

Special Precautions Which User Needs To Be Aware Of / Or Comply With In Connection With Transport Or Conveyance Either Within Or Outside Their Premises:

Specific data not available.

Section 15: REGULATORY INFORMATION

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; 1,4-Dioxane (<1%) CAS# 123-91-1; Methanol (<1%) CAS# 67-56-1

Section 16: OTHER INFORMATION

State Reporting

This product can expose you to chemicals including N-Methyl Pyrrolidone and Methanol which are known to the State of California to cause birth defects or other reproductive harm and to 1,4-Dioxane known to the state of California to cause cancer. For more information, go to www.P65Warnings.ca.gov

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



SAFETY DATA SHEET (GHS)

Section 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product / Chemical Name:

Plastisol Ink Cleaner - BEAN-e-doo®

Other Means Of Identification:

Textile plastisol ink cleaner

Recommended Use Of The Product / Chemical And Restrictions On Use:

Cleaning of plastisol ink from screen printing screens.

Manufacturer / Company Information:

Franmar Chemical, Inc.
10282 E. 1400 North Rd.
Bloomington, IL 61705
1-800-538-5069 / 1-309-828-2900

For Chemical Emergency - Spill, Leak, Fire, Exposure, or Accident Call:

CHEMTREC Day or Night: Within USA and Canada: 1-800-424-9300
CCN717946 or +1 703-527-3887 (collect calls accepted)

Health: 1
Flammability: 1
Reactivity: 0
Special: 0

NFPA HAZARD RATING
4 - Extreme
3 - High
2 - Moderate
1 - Slight
0 - Insignificant

Section 2: HAZARD IDENTIFICATION

Classification Of Product / Chemical Mixture And Any National or Regional Information:

None known.

GHS Hazard Statements:

GHS Precautionary Statements:

GHS Signal Word: WARNING

GHS Hazard Phrases: (H316) Causes mild skin irritation. (H320) Causes eye irritation. (H303) May be harmful if swallowed.

Other Hazards Which Do Not Result In Classification:

None known.

**SAFETY DATA SHEET (GHS)****Section 3: COMPOSITION, INFORMATION ON INGREDIENTS**

<u>Ingredient Name</u>	<u>CAS Number</u>	<u>Percent</u>
Soy methyl ester	67784-80-9	80-90%
Proprietary, non-hazardous, non-regulated ethoxylated alcohol surfactant	trade secret	10-15%

Other Chemical Information:**Section 4: FIRST AID MEASURES****Necessary Measures For Routes Of Exposure:****If Inhaled:**

If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing. Call a physician if symptoms develop or persist.

If on Skin:

If skin irritation occurs, get medical advice/attention.

If in Eyes:

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 advice/attention.

If Swallowed:

Rinse mouth. Call a doctor/physician if you feel unwell.

Important Symptoms/Effects, Acute and Delayed:

Specific data not available.

Immediate Medical Attention And Special Treatment Needed:

Specific data not available.



SAFETY DATA SHEET (GHS)

Section 5: FIRE FIGHTING MEASURES

Suitable (and unsuitable) Extinguishing Media:

CO₂, Dry Chemical for small fires, foam for large fires, water spray

Hazards Arising From The Product/Chemical (e.g., nature of any hazardous combustion products):

None known

Special Fire Fighting Procedures:

Use water spray to cool containers.

Section 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures:

Wear protective clothing.

Environmental Precautions:

Specific data not available.

Methods and Materials for Containment and Cleaning Up:

Contain the spill and hold for disposal.

Section 7: HANDLING AND STORAGE

Precautions For Safe Handling:

Normal care in handling & storage.

Conditions For Safe Storage, Including Any Incompatibilities:

Specific data not available.



SAFETY DATA SHEET (GHS)

Section 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

Control Parameters, e.g., Occupational Exposure Limit Values or Biological Limit Values:

Specific data not available.

Appropriate Engineering Controls:

Not required. Mechanical generally sufficient.

Individual Protective Measures, Such As Personal Protective Equipment:

Safety glasses, or chemical goggles.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance (physical state, color, etc.):	Light yellow, low viscosity liquid	Flammability (solid, gas):	None known.
Odor:	Mild odor	Upper/Lower Flammability or Explosive Limits:	
Odor Threshold:	Specific data not available.	Vapor Pressure:	< 2mm Hg at 20°C
pH:	6.65	Vapor Density:	Estimated heavier than air.
Freezing / Melting Point:	below 32°F	Relative Density:	7.3 lbs/gal (@25°C)
Boiling Point and Boiling Range:	Over 300°F	Partition Coefficient (n-octanol/water):	Specific data not available.
Flash Point:	Above 200°F (PMcc)	Autoignition Temperature:	445°C (833°F)
Evaporation Rate:	Less than 1 (n-butyl acetate=1)	Decomposition Temperature:	Specific data not available.
Solubility:	Emulsifiable	VOC:	2.3% .06 lb/g 20 g/l

**SAFETY DATA SHEET (GHS)****Section 10: STABILITY AND REACTIVITY****Chemical Stability:**

Stable

Possibility Of Hazardous Reactions:

Will not occur.

Conditions To Avoid (e.g., static discharge, shock or vibration):

Strong oxidizing agents.

Incompatible Materials:

Specific data not available.

Hazardous Decomposition Products:

Produces carbon monoxide and carbon dioxide on combustion.

Section 11: TOXICOLOGICAL INFORMATION**Information On The Likely Routes Of Exposure (inhalation, ingestion, skin and eye contact):**

SKIN: (H316) Causes mild skin irritation.

EYE: (H320) Causes eye irritation.

INGESTION: (303) May be harmful if swallowed.

Symptoms Related To The Physical, Chemical and Toxicological Characteristics:

Not listed by NTP, IARC, OSHA.



SAFETY DATA SHEET (GHS)

Delayed and Immediate Effects and Also Chronic Effects From Short- and Long-Term Exposure:

Specific data not available.

Numerical Measures Of Toxicity (such as acute toxicity estimates):

Specific data not available.

Section 12: ECOLOGICAL INFORMATION

Ecotoxicity (aquatic and terrestrial, where available):

The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Persistence and Degradability:

Specific data not available on the degradability of this product.
Meets U.S. EPA 28 day half-life criteria.

Bioaccumulative Potential:

Meets U.S. EPA 28 day half-life criteria.

Mobility In Soil:

The product is immiscible with water and will spread on the water surface.

Other Adverse Effects:

Specific data not available.



SAFETY DATA SHEET (GHS)

Section 13: DISPOSAL CONSIDERATIONS

Description Of Waste Residues and Information On Their Safe Handling and Methods Of Disposal, Including The Disposal Of Any Contaminated Packaging:

Contaminated absorbent material may be disposed of in an approved landfill. Dispose of in accordance with all existing local, state, and federal ordinances.

Section 14: TRANSPORT INFORMATION

UN Number:

N/A, non-regulated

UN Proper Shipping Name:

Fatty acid ester

Transport Hazard Class(es):

NMFC (National Motor Freight Classification): Identification number 144920
Shipping Classification 65

Packing Group (if applicable):

Specific data not available.

Marine Pollutant (Yes/No):

Specific data not available.

Special Precautions Which User Needs To Be Aware Of / Or Comply With In Connection With Transport Or Conveyance Either Within Or Outside Their Premises:

Specific data not available.

Section 15: REGULATORY INFORMATION

SARA 302/304

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

SARA 313

This product contains the following chemicals subject to reporting requirements of SARA Title I.I.I. Section Section 313 and 40 CFR 372: 1,4-Dioxane (<1%) CAS# 123-91-1; Methanol (<1%) CAS# 67-56-1

Section 16: OTHER INFORMATION

CALF: This product can expose you to 1,4-Dioxane known to the state of California to cause cancer and to Methanol known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov

**SAFETY DATA SHEET (GHS)****Section 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION****Product / Chemical Name:**

Screen Degreaser - d•Grease™

Other Means Of Identification:

Screen degreaser.

Recommended Use Of The Product / Chemical And Restrictions On Use:

Use to degrease screen mesh used in the process of screen printing.

Manufacturer / Company Information:

Franmar Chemical, Inc.
10282 E. 1400 North Rd.
Bloomington, IL 61705
1-800-538-5069 / 1-309-828-2900

For Chemical Emergency - Spill, Leak, Fire, Exposure, or Accident Call:

CHEMTREC Day or Night: Within USA and Canada: 1-800-424-9300
CCN717946 or +1 703-527-3887 (collect calls accepted)

The NFPA 704 hazard diamond is shown with the following values: Health: 1 (blue), Flammability: 0 (red), Reactivity: 0 (yellow), and Special: 0 (white). The diamond is surrounded by the letters F, H, R, and S.

Health:
Flammability:
Reactivity:
Special: 0

NFPA HAZARD RATING
4 - Extreme
3 - High
2 - Moderate
1 - Slight
0 - Insignificant

Section 2: HAZARD IDENTIFICATION**Classification Of Product / Chemical Mixture And Any National or Regional Information:**

None known.

GHS Hazard Statements:**GHS Precautionary Statements:**

GHS Signal Word: WARNING

GHS Hazard Phrases: (H316) Causes mild skin irritation. (H320) Causes eye irritation. (H303) May be harmful if swallowed.

Other Hazards Which Do Not Result In Classification:

None known.

**SAFETY DATA SHEET (GHS)****Section 3: COMPOSITION, INFORMATION ON INGREDIENTS**

<u>Ingredient Name</u>	<u>CAS Number</u>	<u>Percent</u>
H2O	7732-18-5	95-99%
Surfactant Blend	68439-46-3	1-2%

Other Chemical Information:**Section 4: FIRST AID MEASURES****Necessary Measures For Routes Of Exposure:****If Inhaled:**

If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing. Call a physician if symptoms develop or persist.

If on Skin:

If skin irritation occurs, get medical advice/attention.

If in Eyes:

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 advice/attention.

If Swallowed:

Rinse mouth. Call a doctor/physician if you feel unwell.

Important Symptoms/Effects, Acute and Delayed:

Specific data not available.

Immediate Medical Attention And Special Treatment Needed:

Specific data not available.



SAFETY DATA SHEET (GHS)

Section 5: FIRE FIGHTING MEASURES

Suitable (and unsuitable) Extinguishing Media:

Alcohol foam, CO2, Dry chemical.

Hazards Arising From The Product/Chemical *(e.g., nature of any hazardous combustion products):*

None known

Special Fire Fighting Procedures:

Use water spray to cool containers.

Section 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures:

Wear protective clothing.

Environmental Precautions:

Specific data not available.

Methods and Materials for Containment and Cleaning Up:

Contain the spill and hold for disposal.

Section 7: HANDLING AND STORAGE

Precautions For Safe Handling:

Normal care in handling & storage.

Conditions For Safe Storage, Including Any Incompatibilities:

Specific data not available.



SAFETY DATA SHEET (GHS)

Section 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

Control Parameters, e.g., Occupational Exposure Limit Values or Biological Limit Values:

Specific data not available.

Appropriate Engineering Controls:

Not required. Mechanical generally sufficient.

Individual Protective Measures, Such As Personal Protective Equipment:

Safety glasses, or chemical goggles.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance (physical state, color, etc.):	Clear liquid.	Flammability (solid, gas):	Specific data not available.
Odor:	Light pleasant odor.	Upper/Lower Flammability or Explosive Limits:	Specific data not available.
Odor Threshold:	Specific data not available.	Vapor Pressure:	Specific data not available.
pH:	6.20	Vapor Density:	Estimated heavier than air.
Freezing / Melting Point:	below 32°F	Relative Density:	Specific data not available.
Boiling Point and Boiling Range:	Over 300°F	Partition Coefficient (n-octanol/water):	Specific data not available.
Flash Point:	Not flammable	Autoignition Temperature:	Specific data not available.
Evaporation Rate:	Less than 1 (n-butyl acetate=1)	Decomposition Temperature:	Specific data not available.
Solubility:	Complete	VOC:	0.06 %, .01 lb/g, 1.20 g/l

**SAFETY DATA SHEET (GHS)****Section 10: STABILITY AND REACTIVITY****Chemical Stability:**

Stable

Possibility Of Hazardous Reactions:

Will not occur.

Conditions To Avoid (e.g., static discharge, shock or vibration):

Strong oxidizing agents.

Incompatible Materials:

Specific data not available.

Hazardous Decomposition Products:

Use water spray to cool fire exposed containers.

Section 11: TOXICOLOGICAL INFORMATION**Information On The Likely Routes Of Exposure (inhalation, ingestion, skin and eye contact):**

SKIN: (H316) Causes mild skin irritation.

EYE: (H320) Causes eye irritation.

INGESTION: (303) May be harmful if swallowed.

Symptoms Related To The Physical, Chemical and Toxicological Characteristics:

Not listed by NTP, IARC, OSHA.



SAFETY DATA SHEET (GHS)

Delayed and Immediate Effects and Also Chronic Effects From Short- and Long-Term Exposure:

Specific data not available.

Numerical Measures Of Toxicity (such as acute toxicity estimates):

Specific data not available.

Section 12: ECOLOGICAL INFORMATION

Ecotoxicity (aquatic and terrestrial, where available):

The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Persistence and Degradability:

Specific data not available.

Bioaccumulative Potential:

Specific data not available.

Mobility In Soil:

Specific data not available.

Other Adverse Effects:

Specific data not available.



SAFETY DATA SHEET (GHS)

Section 13: DISPOSAL CONSIDERATIONS

Description Of Waste Residues and Information On Their Safe Handling and Methods Of Disposal, Including The Disposal Of Any Contaminated Packaging:

Contaminated absorbent material may be disposed of in an approved landfill. Dispose of in accordance with all existing local, state, and federal ordinances.

Section 14: TRANSPORT INFORMATION

UN Number:

N/A, non-regulated

UN Proper Shipping Name:

Non-Regulated

Transport Hazard Class(es):

Not a DOT controlled material

Packing Group (if applicable):

III

Marine Pollutant (Yes/No):

Specific data not available.

Special Precautions Which User Needs To Be Aware Of / Or Comply With In Connection With Transport Or Conveyance Either Within Or Outside Their Premises:

Specific data not available.

Section 15: REGULATORY INFORMATION

SARA 302/304

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

SARA 313

This product contains the following chemicals subject to reporting requirements of SARA Title I.I.I. Section Section 313 and 40 CFR 372: 1,4-Dioxane (<1%) CAS# 123-91-1; Methanol (<1%) CAS# 67-56-1

Section 16: OTHER INFORMATION

CALF: This product can expose you to 1,4-Dioxane known to the state of California to cause cancer and to Methanol known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov



SAFETY DATA SHEET (GHS)

Section 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product / Chemical Name:

Un-Lok

Other Means Of Identification:

Locked Emulsion Remover

Recommended Use Of The Product / Chemical And Restrictions On Use:

Removal of screen emulsion

Manufacturer / Company Information:

Franmar Inc.
10282 E. 1400 North Rd.
Bloomington, IL 61705
1-800-538-5069 / 1-309-828-2900

For Chemical Emergency - Spill, Leak, Fire, Exposure, or Accident Call:

CHEMTREC Day or Night: Within USA and Canada: 1-800-424-9300
CCN717946 or +1 703-527-3887 (collect calls accepted)

Health: 1
Flammability: 1
Reactivity: 0
Special: 0

NFPA HAZARD RATING
4 - Extreme
3 - High
2 - Moderate
1 - Slight
0 - Insignificant

Section 2: HAZARD IDENTIFICATION

Classification Of Product / Chemical Mixture And Any National or Regional Information:

Eye irritation (Category 2B)



GHS Hazard Statements:

GHS Precautionary Statements:

GHS Signal Word: WARNING

GHS Hazard Phrases: (H316) Causes mild skin irritation. (H320) Causes eye irritation. (H303) May be harmful if swallowed. (H333) May be harmful if inhaled.

Other Hazards Which Do Not Result In Classification:

**SAFETY DATA SHEET (GHS)****Section 3: COMPOSITION, INFORMATION ON INGREDIENTS**

<u>Ingredient Name</u>	<u>CAS Number</u>	<u>Percent</u>
Safenol™	111-93-6	40-50
Di Basic Ester	627-93-0/1119-40-0	15-25
Alcohols, C9-11, ethoxylated	68439-46-3	0.5-1.5

Other Chemical Information:**Section 4: FIRST AID MEASURES****Necessary Measures For Routes Of Exposure:****If Inhaled:**

Remove person to fresh air. Call a doctor/physician if you feel unwell.

If on Skin:

Take off all contaminated clothing and wash before reuse.

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, call a doctor/physician.

If Swallowed:

Rinse mouth. Call a doctor/physician.

Important Symptoms/Effects, Acute and Delayed:

Specific data not available.

Immediate Medical Attention And Special Treatment Needed:

Specific data not available.



SAFETY DATA SHEET (GHS)

Section 5: FIRE FIGHTING MEASURES

Suitable (and unsuitable) Extinguishing Media:

As appropriate to the surrounding fires.

Hazards Arising From The Product/Chemical *(e.g., nature of any hazardous combustion products):*

Specific data not available.

Special Fire Fighting Procedures:

Move exposed containers from fire area if it can be done without risk.

Section 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures:

Accidental spills, wear protective clothing. Contain the spill. Return to a suitable container. Dispose of in accordance with all existing local, state, and federal ordinances.

Environmental Precautions:

Prevent entry to sewers and public waters

Methods and Materials for Containment and Cleaning Up:

Absorb and/or contain spill with inert material, then place in suitable container. Do not flush into surface water or sewer system.

Section 7: HANDLING AND STORAGE

Precautions For Safe Handling:

Avoid contact with skin, eyes and clothing. Avoid breathing dust/fume/gas/mist/vapors/spray. Do not swallow. Handle and open container with care. When using do not eat, drink or smoke. Use only in well-ventilated areas. Hygiene measures : Wash contaminated clothing before reuse. Always wash hands after handling the product.

Conditions For Safe Storage, Including Any Incompatibilities:

Keep out of reach of children. Keep container tightly closed and in a well-ventilated place.



SAFETY DATA SHEET (GHS)

Section 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

Control Parameters, e.g., Occupational Exposure Limit Values or Biological Limit Values:

Not Applicable

Appropriate Engineering Controls:

Ensure good ventilation of the work station.

Individual Protective Measures, Such As Personal Protective Equipment:

Wear eye protection, wear suitable gloves, wear suitable clothing

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance (physical state, color, etc.):	Clear liquid	Flammability (solid, gas):	None known.
Odor:	Mild odor.	Upper/Lower Flammability or Explosive Limits:	Specific data not available.
Odor Threshold:	Specific data not available.	Vapor Pressure:	Specific data not available.
pH:	6.5	Vapor Density:	Specific data not available.
Freezing / Melting Point:	Below 32°F	Relative Density:	Specific data not available.
Boiling Point and Boiling Range:	>200°F	Partition Coefficient (n-octanol/water):	Specific data not available.
Flash Point:	None	Autoignition Temperature:	Specific data not available.
Evaporation Rate:	Specific data not available	Decomposition Temperature:	Specific data not available.
Solubility:	Soluble	VOC:	44.4 % 3.78 lb/g 1020 g/L

**SAFETY DATA SHEET (GHS)****Section 10: STABILITY AND REACTIVITY****Chemical Stability:**

Stable under normal conditions

Possibility Of Hazardous Reactions:

Will not occur under normal conditions.

Conditions To Avoid (e.g., static discharge, shock or vibration):

Strong oxidizing agent

Incompatible Materials:

Oxidizing agents

Hazardous Decomposition Products:

May include, and are not limited to: oxides of carbon.

Section 11: TOXICOLOGICAL INFORMATION**Information On The Likely Routes Of Exposure (inhalation, ingestion, skin and eye contact):**

SKIN: (H316) Causes mild skin irritation.

EYE: (H320) Causes eye irritation

INHALATION: (H333) May be harmful if inhaled.

INGESTION: (H303) May be harmful if swallowed.

Symptoms Related To The Physical, Chemical and Toxicological Characteristics:

Inhalation: May cause irritation to the respiratory tract.

Skin: May cause skin irritation. Symptoms may include redness, drying, defatting and cracking of the skin.

Eyes: May cause eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with possible redness and swelling.

Ingestion: May be harmful if swallowed May cause gastrointestinal irritation, nausea, vomiting and diarrhea.



SAFETY DATA SHEET (GHS)

Delayed and Immediate Effects and Also Chronic Effects From Short- and Long-Term Exposure:

Specific data not available.

Numerical Measures Of Toxicity (such as acute toxicity estimates):

Specific data not available.

Section 12: ECOLOGICAL INFORMATION

Ecotoxicity (aquatic and terrestrial, where available):

May cause long-term adverse effects in the aquatic environment.

Persistence and Degradability:

Specific data not available.

Bioaccumulative Potential:

Specific data not available.

Mobility In Soil:

Specific data not available.

Other Adverse Effects:

Specific data not available.



SAFETY DATA SHEET (GHS)

Section 13: DISPOSAL CONSIDERATIONS

Description Of Waste Residues and Information On Their Safe Handling and Methods Of Disposal, Including The Disposal Of Any Contaminated Packaging:

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

Section 14: TRANSPORT INFORMATION

UN Number:

Not dangerous goods.

UN Proper Shipping Name:

Not dangerous goods.

Transport Hazard Class(es):

Not a DOT controlled material

Packing Group (if applicable):

III

Marine Pollutant (Yes/No):

Specific data not available.

Special Precautions Which User Needs To Be Aware Of / Or Comply With In Connection With Transport Or Conveyance Either Within Or Outside Their Premises:

Specific data not available.

Section 15: REGULATORY INFORMATION

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: This product may contain trace amounts of 1,4-Dioxane ($\leq .1\%$) CAS# 123-91-1, Formaldehyde ($\leq .1\%$) CAS# 50-00-0

Section 16: OTHER INFORMATION

State Reporting

This product can expose you to chemicals including 1,4-Dioxane ($\leq .1\%$) CAS# 123-91-1, Formaldehyde CAS# 50-00-0 known to the State of California to cause Cancer. For more information go to www.P65Warnings.ca.gov

This product may contain trace amounts of 1,4-Dioxane ($\leq .1\%$) CAS# 123-91-1, Formaldehyde CAS# 50-00-0 regulated by the following state's Right to Know Act/Law:

Massachusetts
New Jersey
Pennsylvania
Rhode Island



SAFETY DATA SHEET (GHS)

Section 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product / Chemical Name:

On Press Ink Remover - Color Change™

Other Means Of Identification:

On press textile ink cleaner.

Recommended Use Of The Product / Chemical And Restrictions On Use:

Removal of ink from screens on press to change ink color without losing registration.

Manufacturer / Company Information:

Franmar Chemical Inc.
10282 E. 1400 North Rd.
Bloomington, IL 61705
1-800-538-5069
1-309-828-2900

For Chemical Emergency - Spill, Leak, Fire, Exposure, or Accident Call:

CHEMTREC Day or Night: Within USA and Canada: 1-800-424-9300
CCN717946 or +1 703-527-3887 (collect calls accepted)

Health:
Flammability:
Reactivity:
Special: 0

NFPA HAZARD RATING
4 - Extreme
3 - High
2 - Moderate
1 - Slight
0 - Insignificant

Section 2: HAZARD IDENTIFICATION

Classification Of Product / Chemical Mixture And Any National or Regional Information:

None known.



WARNING

GHS Hazard Statements:

GHS Precautionary Statements:

GHS Signal Word: WARNING

GHS Hazard Phrases: (H315) Causes skin irritation.
(H320) Causes eye irritation. (H335) May cause respiratory irritation. (H303) May be harmful if swallowed.

Other Hazards Which Do Not Result In Classification:

**SAFETY DATA SHEET (GHS)****Section 3: COMPOSITION, INFORMATION ON INGREDIENTS**

<u>Ingredient Name</u>	<u>CAS Number</u>	<u>Percent</u>
Dipropylene Glycol Monobutyl Ether	29911-28-2	80 - 90%
Methylal	109-87-5	2 - 8 %
Orange Terpene	68647-72-3	5 - 10%

Other Chemical Information:**Section 4: FIRST AID MEASURES****Necessary Measures For Routes Of Exposure:****If Inhaled:**

Remove person to fresh air and keep comfortable for breathing. Call a doctor/physician if you feel unwell.

If on Skin:

Take off immediately all contaminated clothing. Rinse skin with water [or shower]. Wash contaminated clothing before reuse.

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 advice/attention.

If Swallowed:

Call a doctor/physician if you feel unwell.

Important Symptoms/Effects, Acute and Delayed:

Specific data not available.

Immediate Medical Attention And Special Treatment Needed:

Specific data not available.



SAFETY DATA SHEET (GHS)

Section 5: FIRE FIGHTING MEASURES

Suitable (and unsuitable) Extinguishing Media:

CO₂, dry chemical, foam or water fog or fine spray.

Hazards Arising From The Product/Chemical *(e.g., nature of any hazardous combustion products):*

Specific data not available.

Special Fire Fighting Procedures:

Protective clothing and self-contained breathing apparatus should be worn when fires involve chemicals. Do not use direct water stream.

Section 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures:

Specific data not available.

Environmental Precautions:

Specific data not available.

Methods and Materials for Containment and Cleaning Up:

Specific data not available.

Section 7: HANDLING AND STORAGE

Precautions For Safe Handling:

None known.

Conditions For Safe Storage, Including Any Incompatibilities:

Specific data not available.



SAFETY DATA SHEET (GHS)

Section 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

Control Parameters, e.g., Occupational Exposure Limit Values or Biological Limit Values:

Specific data not available.

Appropriate Engineering Controls:

Not required. Mechanical generally sufficient.

Individual Protective Measures, Such As Personal Protective Equipment:

Chemical splash goggles.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance (physical state, color, etc.):	Clear liquid	Flammability (solid, gas):	None known.
Odor:	Mild	Upper/Lower Flammability or Explosive Limits:	N/A
Odor Threshold:	Specific data not available.	Vapor Pressure:	< .1 mm Hg
pH:	7.75	Vapor Density:	N/A
Freezing / Melting Point:	N/A	Relative Density:	Specific data not available.
Boiling Point and Boiling Range:	Above 400° F	Partition Coefficient (n-octanol/water):	Specific data not available.
Flash Point:	Above 200° F (PMcc)	Autoignition Temperature:	Specific data not available.
Evaporation Rate:	Less than 1 (n-butyl acetate=1)	Decomposition Temperature:	Specific data not available.
Solubility:	Partial	VOC:	12.2% .94 lb/gal 112.5 g/L

**SAFETY DATA SHEET (GHS)****Section 10: STABILITY AND REACTIVITY****Chemical Stability:**

Stable.

Possibility Of Hazardous Reactions:

Will not occur.

Conditions To Avoid (e.g., static discharge, shock or vibration):

Strong acids or bases. Oxidizing materials.

Incompatible Materials:

Specific data not available.

Hazardous Decomposition Products:

Possibly aldehydes, ketones and organic acids.

Section 11: TOXICOLOGICAL INFORMATION**Information On The Likely Routes Of Exposure (inhalation, ingestion, skin and eye contact):**

SKIN: (H315) Causes skin irritation

EYE: (H320) Causes eye irritation.

INHALATION: (H335) May cause respiratory irritation.

INGESTION: (H303) May be harmful if swallowed.

Symptoms Related To The Physical, Chemical and Toxicological Characteristics:

Specific data not available.



SAFETY DATA SHEET (GHS)

Delayed and Immediate Effects and Also Chronic Effects From Short- and Long-Term Exposure:

Specific data not available.

Numerical Measures Of Toxicity (such as acute toxicity estimates):

Specific data not available.

Section 12: ECOLOGICAL INFORMATION

Ecotoxicity (aquatic and terrestrial, where available):

Specific data not available.

Persistence and Degradability:

Specific data not available.

Bioaccumulative Potential:

Specific data not available.

Mobility In Soil:

100% Biodegradable. Material is not volatile but is water soluble.

Other Adverse Effects:

No adverse effects known or suspected.



SAFETY DATA SHEET (GHS)

Section 13: DISPOSAL CONSIDERATIONS

Description Of Waste Residues and Information On Their Safe Handling and Methods Of Disposal, Including The Disposal Of Any Contaminated Packaging:

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

Section 14: TRANSPORT INFORMATION

UN Number:

Specific data not available.

UN Proper Shipping Name:

Non-Regulated. Glycol Ethers, not elsewhere classified.

Transport Hazard Class(es):

N/A

Packing Group (if applicable):

Packing group III.

Marine Pollutant (Yes/No):

Special Precautions Which User Needs To Be Aware Of / Or Comply With In Connection With Transport Or Conveyance Either Within Or Outside Their Premises:

Specific data not available.

Section 15: REGULATORY INFORMATION

SARA 312/313

This product contains no known chemicals regulated under SARA 312/313.

Section 16: OTHER INFORMATION



SAFETY DATA SHEET (GHS)

Section 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product / Chemical Name:

Emulsion Remover - Strip•e•doo

Other Means Of Identification:

Stencil and emulsion remover

Recommended Use Of The Product / Chemical And Restrictions On Use:

Removes emulsions, films and stencils from screens used in the process of screen printing.

Manufacturer / Company Information:

Franmar Chemical, Inc.
10282 E. 1400 North Rd.
Bloomington, IL 61705
1-800-538-5069 / 1-309-828-2900

For Chemical Emergency - Spill, Leak, Fire, Exposure, or Accident Call:

CHEMTREC Day or Night: Within USA and Canada: 1-800-424-9300
CCN717946 or +1 703-527-3887 (collect calls accepted)

Health:
Flammability:
Reactivity:
Special: 0

NFPA HAZARD RATING
4 - Extreme
3 - High
2 - Moderate
1 - Slight
0 - Insignificant

Section 2: HAZARD IDENTIFICATION

Classification Of Product / Chemical Mixture And Any National or Regional Information:



GHS Hazard Statements:

GHS Precautionary Statements:

GHS Signal Word: WARNING

GHS Hazard Phrases: (H315) Causes skin irritation.
(H319) Causes serious eye irritation. (H333) May be harmful if inhaled. (H302) Harmful if swallowed.

Other Hazards Which Do Not Result In Classification:

**SAFETY DATA SHEET (GHS)****Section 3: COMPOSITION, INFORMATION ON INGREDIENTS**

<u>Ingredient Name</u>	<u>CAS Number</u>	<u>Percent</u>
H2O	7732-18-5	82-90%
NP-6	127087-87-0	6-10%
Periodic Acid	10450-60-9	3-7%

Other Chemical Information:**Section 4: FIRST AID MEASURES****Necessary Measures For Routes Of Exposure:****If Inhaled:**

Remove person to fresh air. Call a doctor/physician if you feel unwell.

If on Skin:

Take off all contaminated clothing and wash before reuse.

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, call a doctor/physician.

If Swallowed:

Rinse mouth. Call a doctor/physician.

Important Symptoms/Effects, Acute and Delayed:

Specific data not available.

Immediate Medical Attention And Special Treatment Needed:

Specific data not available.



SAFETY DATA SHEET (GHS)

Section 5: FIRE FIGHTING MEASURES

Suitable (and unsuitable) Extinguishing Media:

As appropriate to the surrounding fires.

Hazards Arising From The Product/Chemical *(e.g., nature of any hazardous combustion products):*

Specific data not available.

Special Fire Fighting Procedures:

Move exposed containers from fire area if it can be done without risk.

Section 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures:

Accidental spills, wear protective clothing. Contain the spill. Return to a suitable container. Hold for disposal.

Environmental Precautions:

Specific data not available.

Methods and Materials for Containment and Cleaning Up:

Specific data not available.

Section 7: HANDLING AND STORAGE

Precautions For Safe Handling:

Wear eye protection/face protection. Normal care in handling. Keep out of reach of children.

Conditions For Safe Storage, Including Any Incompatibilities:

Normal care for storage.



SAFETY DATA SHEET (GHS)

Section 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

Control Parameters, e.g., Occupational Exposure Limit Values or Biological Limit Values:

Specific data not available.

Appropriate Engineering Controls:

Not required. Mechanical generally sufficient.

Individual Protective Measures, Such As Personal Protective Equipment:

Wear eye protection/face protection.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance (physical state, color, etc.):	Milky white, slightly viscous liquid	Flammability (solid, gas):	None known.
Odor:	Mild odor.	Upper/Lower Flammability or Explosive Limits:	Specific data not available.
Odor Threshold:	Specific data not available.	Vapor Pressure:	Specific data not available.
pH:	3.08	Vapor Density:	Specific data not available.
Freezing / Melting Point:	Below 32°F	Relative Density:	Specific data not available.
Boiling Point and Boiling Range:	>212°F	Partition Coefficient (n-octanol/water):	Specific data not available.
Flash Point:	None	Autoignition Temperature:	Specific data not available.
Evaporation Rate:	Less than 1 (n-butyl acetate=1)	Decomposition Temperature:	Specific data not available.
Solubility:	Complete	VOC:	<1% 5.49 lb/g 0.05 g/l



SAFETY DATA SHEET (GHS)

Section 10: STABILITY AND REACTIVITY

Chemical Stability:

Stable

Possibility Of Hazardous Reactions:

Will not occur under normal conditions.

Conditions To Avoid (e.g., static discharge, shock or vibration):

Will darken when exposed to light. Contact with other materials could cause fire.

Incompatible Materials:

Specific data not available.

Hazardous Decomposition Products:

Combustion may result in release of toxic/hazardous gases of iodine or hydrogen iodide.

Section 11: TOXICOLOGICAL INFORMATION

Information On The Likely Routes Of Exposure (inhalation, ingestion, skin and eye contact):

SKIN: (H315) Causes skin irritation.

EYE: (H319) Causes serious eye irritation.

INHALATION: (H333) May be harmful if inhaled.

INGESTION: (H302) Harmful if swallowed.

Symptoms Related To The Physical, Chemical and Toxicological Characteristics:

Specific data not available.



SAFETY DATA SHEET (GHS)

Delayed and Immediate Effects and Also Chronic Effects From Short- and Long-Term Exposure:

Specific data not available.

Numerical Measures Of Toxicity (such as acute toxicity estimates):

Specific data not available.

Section 12: ECOLOGICAL INFORMATION

Ecotoxicity (aquatic and terrestrial, where available):

Specific data not available.

Persistence and Degradability:

Specific data not available.

Bioaccumulative Potential:

Specific data not available.

Mobility In Soil:

Specific data not available.

Other Adverse Effects:

Specific data not available.



SAFETY DATA SHEET (GHS)

Section 13: DISPOSAL CONSIDERATIONS

Description Of Waste Residues and Information On Their Safe Handling and Methods Of Disposal, Including The Disposal Of Any Contaminated Packaging:

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

Section 14: TRANSPORT INFORMATION

UN Number:

UN3264

UN Proper Shipping Name:

Corrosive Liquid (Periodic Acid), Mixture, Acidic, Inorganic, N.O.S

Transport Hazard Class(es):

8

Packing Group (if applicable):

III

Marine Pollutant (Yes/No):

NO

Special Precautions Which User Needs To Be Aware Of / Or Comply With In Connection With Transport Or Conveyance Either Within Or Outside Their Premises:

Specific data not available.

Section 15: REGULATORY INFORMATION

SARA 302/304

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

SARA 312/313

This product contains no known chemicals regulated under SARA 312/313.

Section 16: OTHER INFORMATION

N/A