45243-1007

SAFETY DATA SHEET (GHS)

Section 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

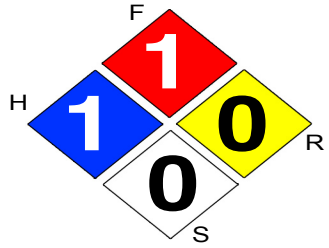
Product / Chemical Name:
Haze Remover - d-Haze

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.

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Section 3: COMPOSITION, INFORMATION ON INGREDIENTS

Ingredient Name	CAS Number	Percent
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 esay 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.

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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.

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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

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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.

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

Results from a number of long-term carcinogenity 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

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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 Pennsylania's Right to Know Act: 872-50-4 N-Methyl Pyrrolidone