

SAFETY DATA SHEET



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1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Identifier: Multipurpose Ink Stain and Haze Remover
General Use: Cleaning Solution
Product Description: Clear Liquid

MANUFACTURER

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2. HAZARD IDENTIFICATION

EMERGENCY OVERVIEW

GHS CLASSIFICATION OF SUBSTANCE

Flammable Liquid	Category 4
Aspiration Toxicity	Category 1
Skin Corrosion/Irritation	Category 2
Eye Corrosion/Irritation	Category 2
Carcinogenicity	Not Rated Under GHS
Specific Organ Toxicity Repeated Exposure	Not Rated Under GHS
Specific Organ Toxicity Single Exposure	Category 4 - CNS
Reproductive Toxicity	Not Rated Under GHS
Acute Toxicity	Not Rated Under GHS
Germ Cell mutagenicity	Not Rated Under GHS
Corrosive to Metals	Not Rated Under GHS
Hazardous to the aquatic environment	See Section 12

Hazard Category - means the division of criteria within each hazard class, e.g. acute toxicity includes five hazard categories and flammable liquids include four hazard categories. These categories compare hazard severity within a hazard class. "GHS Classification of Substance" means the material hazard class under that particular category and should not be taken as a comparison of hazard categories more generally. Degree of severity under GHS is "1" being the most severe and sequential numbers indicating correspondingly less severity. "Not Classified Under GHS" does not have characteristics that fall into any of the categories for that hazard class.

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GHS LABEL ELEMENTS



aspiration



eye

DANGER

Hazard Statements

- H304 - May be fatal if swallowed or enters airways
- H319 - Causes serious eye irritation
- H227 - Combustible Liquid

Precautionary Statements

General:

- P101-If medical advice is needed, have product container or label at hand.
- P103-Read label before use.

Prevention:

- P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- P260 - Do not breathe fume, mist, vapors
- P264 - Wash hands, forearms and face thoroughly after handling
- P273 - Avoid release to the environment
- P280 - Wear eye protection, face protection, protective clothing, protective gloves

Response:

- P301+P316 - IF SWALLOWED: Get emergency medical help immediately.
- P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P337+P317 - If eye irritation persists: Get medical help.
- P318 - If exposed or concerned, get medical advice.
- P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.
- P319 - Get medical help if you feel unwell.
- P332+P317 - If skin irritation occurs: Get medical help.

Storage/Disposal:

- P403+235+404-Store in well-ventilated place. Keep cool. Store in closed container.
- P501-Dispose of contents/container in accordance with local/regional/federal regulations.

3. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Component</u>	<u>wt%</u>	<u>CAS Registry #</u>
Dipropylene Glycol Methyl Ether Acetate	14 - 21	88917-22-0
Petroleum Distillates, hydrotreated light	<1 - 2.5	64742-47-8
Petroleum White Mineral Oil	6 - 8	8042-47-5
Aliphatic Dibasic Esters	45 - 55	Mixture
Polyoxyethylenealkylether	7 - 12	84133-50-6
2-(2-butoxyethoxy)ethanol	14 - 21	112-34-5

4. FIRST AID MEASURES

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INHALATION:

Remove to fresh air and keep at rest in a comfortable position. Get medical attention if symptoms persist after moving to fresh air. Give oxygen if available, symptoms persist, and medical attention is not immediate.

EYE CONTACT:

Remove contact lens (if present). Rinse eyes immediately with plenty of clean water for at least 15 minutes. If necessary, gently hold the eyelid open during the flush. Seek medical attention following initial eye washing. Product is caustic and irreversible eye damage can occur if material is not successfully removed from the eyes.

SKIN CONTACT:

Immediately wash skin with mild soap solution to remove material from skin. Remove affected clothing and launder prior to re-use. If skin damage occurs other than redness, seek medical attention and provide this SDS to attending medical personnel.

INGESTION:

Ingestion is not a likely route of exposure based on commercial product use. If ingestion occurs, seek immediate medical attention. Do not induce vomiting or give anything but water by mouth, the product contains petroleum distillates which are an aspiration hazard. Contact a POISON CONTROL or attending medical personnel.

5. FIRE FIGHTING MEASURES

Flashpoint and Method:	86.4 °C
Flammable Limits:	Unknown
Autoignition Temperature:	Unknown

GENERAL HAZARD:

Product is combustible and will contribute fuel to a fire. Vapors/fumes resulting from a fire may be very irritating.

FIRE FIGHTING INSTRUCTIONS:

Water fog or fine spray; dry chemical fire extinguishers; carbon dioxide fire extinguishers; foam; alcohol resistant foams (ATC type). Use water fog or fine spray for cooling exposed containers to control heating.

FIRE FIGHTING EQUIPMENT:

In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode.

FURTHER INFORMATION:

During a fire, smoke may contain the original material in addition to combustion products which might be more irritating.

HAZARDOUS COMBUSTION PRODUCTS:

Carbon monoxide, carbon dioxide, and organics such as aldehydes depending on the heat of the fire.

6. ACCIDENTAL RELEASE MEASURES

LAND SPILL RESPONSE:

Absorb small spills with inert material such as sand or earth. Containerize waste material. Dike large spills to contain the area of the spill. Use clean up procedures that minimize contamination to earth or water bodies.

WATER SPILL:

Restrict transfer to the localized spill area in the case of a large spill (many gallons) by diking or other means as this

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product is aquatically toxic. Product may be recoverable from water surface via absorption with suitable materials.

RECOMMENDED DISPOSAL:

Disposal options may be dictated by other materials mixed with this material. Dispose of in accordance with local, state, and federal regulations using methods which consider recycling/reclamation.

7. HANDLING AND STORAGE

STORAGE TEMPERATURE: Ambient

STORAGE PRESSURE: Atmospheric

GENERAL:

Keep the container tightly closed. Store in a dry, cool, and well-ventilated place away from incompatible materials such as oxidizing agents and acids. Preferable storage is in a location designed for liquids with secondary spill containment. Remaining residue in empty containers may present a fire hazard. Avoid breathing mist or vapor.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

OSHA HAZARDOUS COMPONENTS (29 CFR 1910.1200 and other agencies)

Component	EXPOSURE LIMITS 8 hrs TWA (ppm)				
	OSHA PEL	ACGIH TLV	NIOSH REL	AIHA WEEL	Other
White Mineral Oil	5 mg/m ³	5 mg/m ³	5 mg/m ³		
Petroleum Distillates, hydrotreated light	NE	200 mg/m ³	NE		
2-(2-butoxyethoxy)ethanol	NE	67.5 mg/m ³	NE		
Aliphatic Dibasic Esters	NE	NE	NE		
Dipropylene Glycol Methyl Ether Acetate	600 mg/m ³	NE	600 mg/m ³		
Polyoxyethylenealkylether	NE	NE	NE		

ENGINEERING CONTROLS:

Provide adequate general and local exhaust ventilation to maintain exposure below established exposure limits. Provide eyewash stations and safety showers in locations available to material users. Provide hand washing facilities for routine use by personnel using the material.

PERSONAL PROTECTION:

Splash goggles and apron should be worn when pouring this material to avoid contact with the liquid. Hand protection is recommended when there is possible direct contact with the liquid. Glove choice should be appropriate for the chemical blend and the specific activity being performed. NOTE: nitrile gloves are a general purpose glove available in a wide variety of thicknesses and protect against most chemicals. Respiratory protection should be appropriate for solvent exposure and utilized if ventilation cannot be established to adequately maintain exposure within exposure limits such as might occur when cleaning up spills.

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EXPOSURE EVALUATION:

Exposures depend on activities being performed and the ventilation in the area. Most of the solvents in the mixture are not sufficiently volatile to create significant airborne exposure unless material is aerosolized in some manner. Personal exposure monitoring can be performed by the employer to determine his/her employee exposures to the product during routine use at the facility. It is beyond the responsibility of the product supplier to estimate/determine airborne exposure in a user's facility.

9. PHYSICAL AND CHEMICAL PROPERTIES

Vapor Pressure:	Not Determined	Vapor Density:	Heavier than air
Specific Gravity:	1	Evaporation Rate:	Not Determined
Solubility in Water:	Insoluble	Freezing Point:	Not Determined
		Odor:	Mild
pH:	Not Applicable	Appearance:	Clear
Boiling Point:	Not Determined	Physical State:	Liquid
Viscosity:	Not Determined	Flammable Range:	No Data Available
Flash Point:	86.4 °C (Closed Cup)	VOC content:	907 g/L

10. STABILITY AND REACTIVITY

GENERAL:

No dangerous reactions known under normal use conditions.

INCOMPATIBLE MATERIALS AND CONDITIONS TO AVOID:

Strong acids and strong oxidizers

HAZARDOUS DECOMPOSITION:

Thermal decomposition can create carbon oxides, short chained organic compounds depending on temperature.

11. TOXICOLOGICAL INFORMATION

TOXICITY TO ANIMALS:

<u>Component</u>	<u>Acute Test</u>	<u>Value</u>	<u>Species</u>
Aliphatic dibasic esters	Oral LD50	>5000 mg/kg	Rat
Aliphatic dibasic esters	Dermal LD50	>2000 mg/kg	
Aliphatic dibasic esters	Vapor LC50	>20 mg/L	
C12-C14-secondary, ethoxylated alcohols	LD50 oral	2600 mg/kg	Rat
C12-C14-secondary, ethoxylated alcohols	LD50 dermal	>2000 mg/kg	Rat
C12-C14-secondary, ethoxylated alcohols	EU R41 eye	positive response in 21 days	Rabbit
Dipropylene glycol methyl ether	LD50 dermal	9510 mg/kg	Rabbit

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Dipropylene glycol methyl ether	LD50 oral	>5000 mg/kg	Rat
Dipropylene glycol methyl ether	Eye	Mild irritant - 8 mg	Human
White Mineral Oil	LC50 mists	>5 mg/L	Rat
White Mineral Oil	LD50 dermal	>2000 mg/kg	Rabbit
White Mineral Oil	LD50 oral	>5000 mg/kg	Rat
Petroleum Distillates hydrotreated light	LD50 dermal	>2000 mg/kg	Rabbit
Petroleum Distillates hydrotreated light	LD50 oral	>5000 mg/kg	Rat
2-(2-butoxyethoxy)ethanol	LD50 oral	2410 mg/kg	
2-(2-butoxyethoxy)ethanol	LD50 dermal	>2000 mg/kg	
2-(2-butoxyethoxy)ethanol	LC50 vapor	>699.2 mg/L	

ROUTES OF ENTRY:

Respiratory and eye are the primary. Skin is a secondary route and aspiration through ingestion is an unlikely route based on use

CHRONIC EFFECTS ON HUMANS:

Ingredients not listed on IARC data base as carcinogens or mutagenic.

Eyes:

Product is an eye irritant. Leaving the product in the eyes without washing the eye could result in some longer term irritation but not expected to cause irreparable damage.

Skin:

Prolonged skin contact will defat the skin causing dryness and irritation and dermatitis in sensitive individuals.

Ingestion:

Product is an aspiration hazard and can cause chemical pneumonia if aspirated into the lung which can occur during vomiting ingested product.

Inhalation:

Product has volatile components that can act as a narcotic if exposure to excessive vapor occurs. The product is not sufficiently volatile that this is likely to occur with normal use and general ventilation.

12. ECOLOGICAL INFORMATION

<u>Species</u>	<u>Test Information</u>	<u>Concentration</u>	<u>Component</u>
Daphnia magna	EC50 - 48 hr	137 mg/L	Dibasic ester mix
Bluegill sunfish	LC50 - 96 hr	7.5 mg/L	Dibasic ester mix
Aquatic Invertebrates	LC50 - 96 hr	1 g/L	Dipropylene glycol methyl ether
Aquatic Invertebrates	LC50 - 48 hr	1 - 1.919 g/L	Dipropylene glycol methyl ether
Aquatic Invertebrates	NOEC - 22 days	500 ug/L	Dipropylene glycol methyl ether
Aquatic Algae	EC50 - 96 hrs	969 - 969000 mg/L	Dipropylene glycol methyl ether
Microorganisms	EC10 - 18 hrs	4.168 g/L	Dipropylene glycol methyl ether
Fish	LC50 48 hr	3.3- 8.8 mg/L	polyoxyethylenealkylether
Crustacea	LC50 48 hr	>1 mg/L	polyoxyethylenealkylether
Daphnia magna	LC50 48 hrs	>100 mg/L	White Mineral Oil
Fish	LC50 - 96 hrs	>10000 mg/L	White Mineral Oil
Algae	EC50 - 72 hrs	>1000 mg/L	Petroleum Distillates hydrotreated light
Daphnia magna	LC50 - 48 hrs	>1000 mg/L	Petroleum Distillates hydrotreated light

PRODUCTS OF BIODEGRADATION:

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Components readily biodegrade and products of biodegradation are less toxic than the chemicals, themselves.

13. DISPOSAL CONSIDERATIONS

Dispose of any waste in compliance with local, state, and federal regulations. Determine EPA RCRA waste categorization at the time of disposal as mixing with other materials may change its categorization. Containers may contain residue that needs to be addressed at time of disposal. Recycling containers needs to address any remaining residues.

14. TRANSPORT INFORMATION

The following proper shipping name, hazard class and packing group are in accordance to 49 CFR Department of Transportation (U.S. DOT) regulatory requirements from 172.101 Hazardous Materials Table

49 CFR Shipping Information	Multipurpose Ink Stain and Haze Remover
Symbols	"G" - identifies proper shipping names for which one or more technical names of the hazardous material must be entered in parantheses, in association with the basic description. See 172.203(k).
UN Number	NA1993
Proper Shipping Name	<i>Not DOT regulated for domestic transportation unless greater than 119 gallons (450 liters).</i> NA1993 Combustible liquid, n.o.s.
Hazard Class	3
Packing Group	III
Label Codes	None
Special Provisions (172.102)	IB3,T1,T4,TP1
Packaging - Exceptions	consult 49 CFR 173.150 Exceptions for Class 3 flammable and combustibile liquids
Packaging - Nonbulk	NA
Packaging - bulk	consult 49 CFR 173.241
Quantity Limitations - Passenger aircraft/rail	NA
Quantity Limitations - Cargo aircraft only	220L

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Vessel stowage - Location	A - means the material may be stowed on deck or under deck on a cargo vessel and on a passenger vessel
Vessel stowage - Other	No Information

INTERNATIONAL AIR TRADE ASSOCIATION (IATA)

IATA 58th Edition Information	Multipurpose Ink Stain and Haze Remover
UN Number	NA
Proper Shipping Name Description	NA
Class or Division	NA
Hazard Label(s)	NA
Packing Group	NA
EQ - 2.6 Dangerous Goods in Excepted Quantities	NA
Passenger Aircraft - Limited Quantity Packing Instructions	NA
Passenger Aircraft - Limited Quantity Max net Qty/Pkg	NA
Passenger Aircraft - Packing Instructions	NA
Passenger Aircraft - Quantity Max Net Qty/Pkging	NA
Cargo Aircraft only - Packing Instructions	NA
Cargo Aircraft only - Max Net Qty/Pkging	NA
Special Provisions 4.4	NA
ERG Code	NA

INTERNATIONAL MARITIME DANGEROUS GOODS CODE (IMDG CODE)

IMDG 2016 EDITION	Multipurpose Ink Stain and Haze Remover
UN Number	NA
Proper Shipping Name Description	NA
Class or Division	NA
Subsidiary Risks	NA
Packing Group	NA
Special Provisions	NA
Limited Quantities	NA
Excepted Quantities	NA
Packing Instructions	NA
Packing Provisions	NA
IBC Instructions 4.1.4	NA
IBC Provisions 4.1.4	NA
Portable tanks and bulk containers - tank instructions	NA
Portable tanks and bulk containers - provisions	NA
EmS	NA
Stowage and Handling	NA
Segregation	NA
Properties and observations	NA

15. REGULATORY INFORMATION

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Chemical Inventory Status

Ingredients listed on: TSCA, DSL, Japan, and EC inventories.

SARA Section 302 - Emergency Planning Notification -

SARA Section 304 - Emergency Release Notification - None

SARA 311/312 - Hazard categories for SARA Section 311/312 Reporting -

CERCLA - Hazardous Substance -

RCRA Hazardous Waste Classification - Flammable

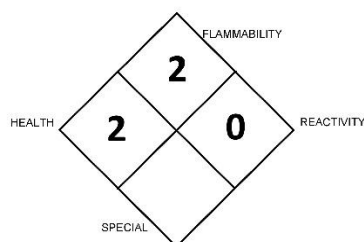
California Proposition 65:

No components known to the state of California to cause cancer and/or reproductive harm.

16. OTHER INFORMATION

UNITED STATES NATIONAL FIRE PROTECTION ASSOCIATION (U.S. NFPA)

NFPA 704 "fire diamond" is used by emergency personnel to quickly identify the risks posed by the material during response to a fire or a spill or other unusual event.



NFPA rating explanation as applied to Multipurpose Ink Stain and Haze Remover

FLAMMABILITY 2 - Must be moderately heated or exposed to relatively high ambient temperature before ignition can occur (e.g. diesel fuel, paper, sulfur) and multiple finely divided suspended solids that do not require heating before ignition can occur. Flash point between 37.8 and 93.3 C (100 and 200 F).

HEALTH 2 - Intense or continued but not chronic exposure could cause temporary incapacitation or possible residual injury.

REACTIVITY 0 - Normally stable, even under fire exposure conditions, and is not reactive with water.

SPECIAL - contains special symbols applicable to the material. In this case there are no applicable special conditions.

Ink Stain and Haze Remover	
HEALTH	2
FLAMMABILITY	2
PHYSICAL HAZARD	0
PERSONAL PROTECTION	H

HEALTH -	2 - Temporary or minor injury may occur.
FLAMMABILITY-	2 - Material which must be moderately heated or exposed to high ambient temperatures before ignition will occur. Includes liquids have a flash point at or above 100 F (38 C) but below 200 F (93 C)
REACTIVITY-	0-Materials that are normally stable, even under fire conditions, and will not react with water, polymerize, decompose, condense, or self-react. Nonexplosives.
PERSONAL PROTECTION-	Gloves. Protective goggles. Protective clothing. Insufficient ventilation: wear respiratory protection.

CREATION/REVISION SUMMARY:

Created on:

3-Dec-21

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