

SAFETY DATA SHEET



SDS No.: 1.1
Date Created: 20-Dec-19
Supercedes: January 16, 2019

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Identifier: Easisolv 722 Screen Wash
General Use: Cleaning
Product Description: Clear Liquid

MANUFACTURER

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2. HAZARD IDENTIFICATION

EMERGENCY OVERVIEW

GHS CLASSIFICATION OF SUBSTANCE

Flammable Liquid	Category 4 - Combustible
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 3 - Respiratory
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 14

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



DANGER

Hazard Statements

H227 - Combustible Liquid
H304 - May be fatal if swallowed and enters airways
H319 - Causes serious eye irritation
H335 - May cause respiratory irritation
H315 - Causes skin irritation

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

P280 - Wear eye protection, face protection, protective clothing, protective gloves

Response:

P302+P352 - IF ON SKIN: Wash with plenty of water

P304+P340 - IF INHALED: Remove person to fresh air and keep 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.

P301+P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

P331 - Do NOT induce vomiting.

P370+P378 - In case of fire: Use water fog, foam, dry chemical or carbon dioxide (CO₂) to extinguish

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.

UN GHS

The Danger Rating and Pictogram is driven by the product being an aspiration hazard.

3. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Component</u>	<u>wt%</u>	<u>CAS Registry #</u>
Dipropylene Glycol Methyl Ether Acetate	20 - 30	88917-22-0
Alcohols, C12-14 secondary, ethoxylated	3 - 5	84133-50-6
Distillates, petroleum hydrotreated light	4 - 6	64742-47-8
Naphtha, petroleum hydrotreated heavy	35 - 45	64742-48-9
Dimethyl Glutarate	14 - 20	1119-40-0
Dimethyl Adipate	4 - 10	627-93-0
Dimethyl Succinate	4 - 10	106-65-0
d-Limonene	1 - 3	5989-27-5

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4. FIRST AID MEASURES

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 without being directed to do so by POISON CONTROL or attending medical personnel. Product is an aspiration hazard.

5. FIRE FIGHTING MEASURES

Flashpoint and Method:	155 F/68 C (Closed Cup)
Flammable Limits:	Not Determined
Autoignition Temperature:	Not Determined

GENERAL HAZARD:

Product is a Category 4 combustible and will support combustion in a fire.

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:

Confine the spill immediately with booms or other available method. Remove from the surface, if possible, by skimming or with suitable absorbents. Seek guidance of clean up specialists for clean up.

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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)

<u>Component</u>	<u>EXPOSURE LIMITS 8 hrs TWA (ppm)</u>				
	<u>OSHA PEL</u>	<u>ACGIH TLV</u>	<u>NIOSH REL</u>	<u>AIHA WEEL</u>	<u>Other</u>
Dipropylene Glycol Methyl Ether Acetate	100 ppm	None Established	100 ppm		
Petroleum Distillates	500 ppm	100 ppm	87.5 ppm		
d-Limonene	None Established	None Established	None Established	30 ppm	
Dibasic Esters	None Established	None Established	None Established		
Alcohols, C12-14 secondary ethoxylated	None Established	None Established	None Established		

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 caustic and solvent exposure and utilized if ventilation cannot be established to adequately maintain exposure within exposure limits such as might occur when cleaning up spills.

EXPOSURE EVALUATION:

Exposures depend on activities being performed and the ventilation in the area. Most components have no established exposure limits, however, exposures should be kept low to avoid respiratory symptoms.

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.

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9. PHYSICAL AND CHEMICAL PROPERTIES

Vapor Pressure:	Not Determined	Vapor Density:	Heavier than air
Specific Gravity:	0.88	Evaporation Rate:	Not Determined
Solubility in Water:	Dispersible	Freezing Point:	Not Determined
		Odor:	mild citrus
pH:	Not Determined	Appearance:	clear
Boiling Point:	Not Determined	Physical State:	Liquid
Viscosity:	Not Determined	Flammable Range:	Not Determined
Flash Point:	155 F/68 C (Closed Cup)	VOC content:	Not Determined

10. STABILITY AND REACTIVITY

GENERAL:

No dangerous reactions known under normal use conditions.

INCOMPATIBLE MATERIALS AND CONDITIONS TO AVOID:

Strong acids, strong bases, and strong oxidizers

HAZARDOUS DECOMPOSITION:

Carbon monoxide, carbon dioxide, small chained organics, organic aldehydes and acids

11. TOXICOLOGICAL INFORMATION

TOXICITY TO ANIMALS:

<u>Component</u>	<u>Acute Test</u>	<u>Value</u>	<u>Species</u>
Dipropylene glycol methyl ether acetate	LD50 oral	>5000 mg/kg	Rat
Dipropylene glycol methyl ether acetate	LD50 dermal	>2000 mg/kg	Rabbit
Dipropylene glycol methyl ether acetate	LC50 vapor	>20,000 mg/m ³	
Dibasic Ester mixture	LC50 vapor-4h	35,000 mg/m ³	Rat
Dibasic Ester mixture	LD50 dermal	>2250 mg/kg	Rabbit
Dibasic Ester mixture	LD50 oral	>5000 mg/kg	Rat
d-Limonene	LD50 oral	>5,000 mg/kg	Rabbit
d-Limonene	LD50 dermal	>5,000 mg/kg	Rabbit
Hydrotreated heavy naphtha	LC50 vapor	>5,000 mg/kg	Rat
Hydrotreated heavy naphtha	LD50 oral	>5,000 mg/kg	Rat
Hydrotreated heavy naphtha	LD50 oral	>5000 mg/kg	Rabbit
Alcohols, C12-14 secondary, ethoxylated	LD50 oral	>3,000 mg/kg	Rat
Alcohols, C12-14 secondary, ethoxylated	LD50 dermal	>2,000 mg/kg	Rabbit
Distillates, petroleum hydrotreated light	LD50 oral	>5,000 mg/kg	
Distillates, petroleum hydrotreated light	LD50 dermal	>2,000 mg/kg	
Distillates, petroleum hydrotreated light	LC50 vapor	>20,000 mg/m ³	

ROUTES OF ENTRY:

Routes of entry include respiratory, dermal, eye, and ingestion.

CHRONIC EFFECTS ON HUMANS:

Small amounts of liquid aspirated into the lungs during ingestion or from vomiting may cause chemical pneumonitis

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or pulmonary edema. Individual components are not on lists of potential carcinogens or mutagens

Eyes:

May cause mild, short-lasting discomfort to eyes.

Skin:

May dry the skin leading to discomfort and dermatitis.

Ingestion:

Not a likely route of exposure given the commercial use of this product, however, the product is an aspiration hazard and can cause chemical pneumonitis if medical attention is not immediately sought.

Inhalation:

Inhalation of vapors may cause narcotic effects.

12. ECOLOGICAL INFORMATION

<u>Species</u>	<u>Test Information</u>	<u>Concentration</u>	<u>Component</u>
Fathead minnow	LC50 - 96hr	4.1 mg/L	Naphtha, petroleum, hydrotreated
Daphnia	EC50 - 48 hr	10 mg/L	Naphtha, petroleum, hydrotreated
Algae	EC50 - 96 hr or 72 hr	11 mg/L	Naphtha, petroleum, hydrotreated
Pimephases promelas	LC50	3.4 mg/l-96 hrs	C ₁₂₋₁₄ secondary ethoxylated alcohols
Daphnia Magna	EC50 static test	4.01 mg/l - 48 hrs	C ₁₂₋₁₄ secondary ethoxylated alcohols
Fish	NOEC/NOEL (modeled)	>0.01-<0.1 mg/l	Distillates(petroleum) hydrotreated light
Aquatic crustacea	NOEC/NOEL (modeled)	>0.1 - <0.1 mg/l	Distillates(petroleum) hydrotreated light
Microorganisms	LL/EL/IL50	>100 mg/l	Distillates(petroleum) hydrotreated light
Daphnia magna	LC50	1090 mg/l	Dipropylene glycol monomethyl ether acetate
Fathead minnow	LC50	151 mg/l	Dipropylene glycol monomethyl ether acetate
Oncorhynchus mykiss	LLO Acute	1000 mg/l	C9-C11 alkanes/cycloalkanes
Daphnia magna	ELO Acute	1000 mg/l	C9-C11 alkanes/cycloalkanes
Daphnia magna	NOELR	1 mg/l - 21 days	C9-C11 alkanes/cycloalkanes
Green Algae	NOELR chronic	0.315 mg/l- 21 days	C12-C14 Isoalkanes
Oncorhynchus mykiss	LL50 Acute	>1000 mg/l - 96h	C12-C14 Isoalkanes
Daphnia magna	EL50 Acute	>1000 mg/l - 48h	C12-C14 Isoalkanes
Green Algae	EL50 Acute	>1000 mg/l - 72h	C12-C14 Isoalkanes

The product is acutely toxic when first introduced into a body of water but will evaporate and readily degrade.

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

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49 CFR Shipping Information	Easisolv 722
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	Combustible Liquid, N.O.S.
Hazard Class	Combustible
Packing Group	III
Label Codes	None
Special Provisions (172.102)	148, IB3, T1, TP1
Packaging - Exceptions	173.150
Packaging - Nonbulk	173.203
Packaging - bulk	173.241
Quantity Limitations - Passenger aircraft/rail	60 L
Quantity Limitations - Cargo aircraft only	220 L
Vessel stowage - Location	A
Vessel stowage - Other	Blank

INTERNATIONAL AIR TRADE ASSOCIATION (IATA)

IATA 58th Edition Information	Easisolv 722
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	XPS58-122
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

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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

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 - Acute Health Hazard, Fire Hazard

RCRA Hazardous Waste Classification - None

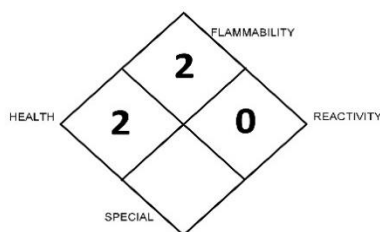
California Proposition 65:

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 Easisolv 722

FLAMMABILITY 2 - Materials which must be moderately heated or exposed to high ambient temperature before ignition can occur. Includes liquids having a flash point at or above 100 F (38 C) but below 200 F (93 C)

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.

Easisolv 722	
HEALTH	2
FLAMMABILITY	2
PHYSICAL HAZARD	0
PERSONAL PROTECTION	H

HEALTH -
FLAMMABILITY-

2 - Temporary or minor injury may occur.
2 - Materials which must be moderately heated or exposed to high ambient temperatures before ignition will occur. Includes liquids having a flash point at or above 100 F/ 38C but below 200F/93C.

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.

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CREATION/REVISION SUMMARY:

Created on:

16-Jan-19

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Registered Specialist, SDS and Label Authoring #118534

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