SAFETY DATA SHEET

SDS No.:	4
Revision:	October 10, 2024
Date Created:	September 16, 2016

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Identifier: **VersaSolv Concentrated Screen Wash**
General Use: **Ink and Stain Remover**
Product Description: **Clear Liquid**

MANUFACTURER
Easiway Systems, Inc.
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Easiway Systems Contract Number **MIS3609005**

2. HAZARD IDENTIFICATION

EMERGENCY OVERVIEW

GHS CLASSIFICATION OF SUBSTANCE

Flammable Liquid	Not Rated Under GHS
Aspiration Toxicity	Not Rated Under GHS
Skin Corrosion/Irritation	Category 2
Eye Corrosion/Irritation	Category 1
Carcinogenicity	Not Rated Under GHS
Specific Organ Toxicity Repeated Exposure	Not Rated Under GHS
Carcinogenicity	Not Rated Under GHS
Reproductive Toxicity	Not Rated Under GHS
Acute Toxicity	Not Rated Under GHS
Germ Cell mutagenicity	Not Rated Under GHS
Corrosive to Metals	Unknown
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.

GHS LABEL ELEMENTS



eye skin

DANGER

Hazard Statements
H315 - May cause skin irritation
H318 - May cause serious eye damage

Precautionary Statements
General:
P101-If medical advice is needed, have product container or label at hand.
P103-Read label before use.
Prevention:
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:
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P302+P352 - IF ON SKIN: Wash with plenty of soap and water.
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

Component	wt%	CAS Registry #
Di(propylene glycol) methyl ether acetate, mixture of isomers	15 - 40	88917-22-0
Dioctyl sodium sulfosuccinate	10 - 30	577-11-7
Aliphatic dibasic esters	10 - 30	Mixture
a-(4-Nonylphenyl)-w-hydroxy-poly (oxy-1,2-ethanediyl) branched	3 - 7	127087-87-0

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.

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.

5. FIRE FIGHTING MEASURES

Flashpoint and Method:	>200 F
Flammable Limits:	Unknown
Autoignition Temperature:	Unknown

GENERAL HAZARD:
Product contains organic components that will contribute to an ongoing fire producing irritating air contaminants.

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:
Material is miscible with water and is expected to mix immediately with the water body. Collection will be difficult but restrict transfer to the localized spill area in the case of a large spill (many gallons) by diking or other means as this product is aquatically toxic.

INDOOR SPILL:
Immediately seal drains in the area and limit spill area to authorized personnel. Increase exhaust ventilation to the exterior if feasible. Restrict transfer to other areas through the ventilation system if possible.
Use adsorbent material appropriate for the material. Containerize waste materials and dispose of in accordance with local regulations.

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, strong acids and bases. 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)

	EXPOSURE LIMITS 8 hrs TWA (ppm)				
Component	OSHA PEL	ACGIH TLV	NIOSH REL	AIHA WEEL	Other

No components have established exposure limits

ENGINEERING CONTROLS:
Provide adequate general and local exhaust ventilation to maintain exposure as low as possible. 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 control exposure. Respiratory protection is recommended when cleaning up indoor spills.

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:	No Data Available	**Vapor Density:**	Heavier than air
Specific Gravity:	1.05 @ 20 C/68 F	**Evaporation Rate:**	No Data Available
Solubility in Water:	Soluble	**Freezing Point:**	No Data Available
		Odor:	Mild Solvent
pH:	5 - 6 (50% solution)	**Appearance:**	Clear
Boiling Point:	>100 C/212 F	**Physical State:**	Liquid
Viscosity:	No Data Available	**Flammable Range:**	No Data Available
Flash Point:	>93 C/200 F	**VOC content:**	480 g/l EPA Method 24

10. STABILITY AND REACTIVITY

GENERAL:
No dangerous reactions known under normal use conditions.

INCOMPATIBLE MATERIALS AND CONDITIONS TO AVOID:
Strong acids and bases and strong oxidizers

HAZARDOUS DECOMPOSITION:
Carbon oxides and short chained organic compounds depending on temperature.

11. TOXICOLOGICAL INFORMATION

TOXICITY TO ANIMALS:

Component	Acute Test	Value	Species
Di(propylene glycol) methyl ether acetate, mixture of isomers	LD50 oral	>5000 mg/kg	Rat
Di(propylene glycol) methyl ether acetate, mixture of isomers	LC50 inhalation	5.7 mg/l - 4hr	Rat
Di(propylene glycol) methyl ether acetate, mixture of isomers	LD50 dermal	>2000 mg/kg	Rat
a-(4-Nonylphenyl)-w-hydroxy-poly (oxy-1,2-ethanediyl) branched	LD50 oral	515.46 mg/kg	calculated
Dioctyl sodium sulfosuccinate	LD50 oral	>3100 mg/kg	Rat
Dioctyl sodium sulfosuccinate	LD50 dermal	>10 000 mg/kg	Rabbit
Dioctyl sodium sulfosuccinate	LC50 inhalation	>20 mg/L/4hr	Rat
Dimethyl glutarate	LD50 oral	>5 000 mg/kg	Rat
Dimethyl glutarate	LC50 inhalation	>11 mg/l - 4hr aerosol	Rat
Dimethyl glutarate	LD50 dermal	>2000 mg/kg	Rat
Dimethyl succinate	LD50 oral	>5000 mg/kg	Rat
Dimethyl succinate	LD50 dermal	>5000 mg/kg	Rabbit
Dimethyl adipate	LD50 oral	>5000 mg/kg	Rat
Dimethyl adipate	LD50 dermal	>1000 mg/kg	Rabbit

ROUTES OF ENTRY:
Primarily eye and skin. Low volatility makes aerosols the primary respiratory hazard.

CHRONIC EFFECTS ON HUMANS:

Eyes:
Product is corrosive to the eye with potential for chronic impact if not immediately removed from the eyes

Skin:
Will defat skin leading to dermatitis.

Ingestion:
Not expected to cause chronic effects and not a major route of exposure.

Inhalation:
Volatility is low and primary hazard is as an aerosol. May cause respiratory irritation that does not immediately clear after exposure.

12. ECOLOGICAL INFORMATION

Species	Test Information	Concentration	Component
Bluegill fish	static LC50 - 96 hr	30.838 mg/l	Dimethyl glutarate
Daphnia	static EC50 - 48 hr	112-150 mg/l	Dimethyl glutarate
Zebra fish	LC50 - 96 hr	50 - 100 mg/l	Dimethyl succinate
Fathead minnow	LC50 - 96 hr	18 - 24 mg/l	Dimethyl adipate
Daphnia	static EC50 - 48 hr	72 mg/l	Dimethyl adipate
Algae	static test EC50 - 72 hr	>100 mg/l	Dimethyl adipate
Freshwater fish	LC50 - 96 hr	20-40 mg/l	Dioctyl sodium sulfosuccinate
Water Flea	EC50 - 48 hr	36 mg/l	Dioctyl sodium sulfosuccinate
Freshwater fish	semi-static LC50 - 96 hr	110.55 mg/l	Di(propylene glycol) methyl ether acetate, mixture of isomers
Fathead minnow	LC50 - 96 hr	3.8-6.2 mg/l	a-(4-nonylphenyl)-w-hydroxy-poly(oxy-1,2-ethanediyl) branched
Daphnia	PC50 - 48 hr	9.3 - 21.4 mg/l	a-(4-nonylphenyl)-w-hydroxy-poly(oxy-1,2-ethanediyl) branched

Product is aquatically toxic both acutely and chronically.

PRODUCTS OF BIODEGRADATION:
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	VersaSolv Concentrated Screen Wash
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	NA
Proper Shipping Name	
Hazard Class	
Packing Group	
Label Codes	
Special Provisions (172.102)	
Packaging - Exceptions	
Packaging - Nonbulk	
Packaging - bulk	
Quantity Limitations - Passenger aircraft/rail	
Quantity Limitations - Cargo aircraft only	
Vessel stowage - Location	
Vessel stowage - Other	

INTERNATIONAL AIR TRADE ASSOCIATION (IATA)

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

INTERNATIONAL MARITIME DANGEROUS GOODS CODE (IMDG CODE)

IMDG 2016 EDITION	VersaSolv Concentrated Screen Wash
UN Number	UN3082
Proper Shipping Name Description	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

Class or Division	**9**
Subsidiary Risks	
Packing Group	**III**
Special Provisions	
Limited Quantities	**5 L**
Excepted Quantities	**E1**
Packing Instructions	
Packing Provisions	
IBC Instructions 4.1.4	
IBC Provisions 4.1.4	
Portable tanks and bulk containers - tank instructions	
Portable tanks and bulk containers - provisions	
EmS	
Stowage and Handling	
Segregation	
Properties and observations	

15. REGULATORY INFORMATION

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

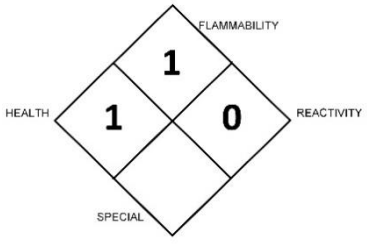
SARA Section 302 - Emergency Planning Notification -
SARA Section 304 - Emergency Release Notification - None
SARA 311/312 - Hazard categories for SARA Section 311/312 Reporting - Acute health hazard

CERCLA - Hazardous Substance -
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 VersaSolv Concentrated Screen Wash
FLAMMABILITY 1 - Materials that require considerable preheating, under all ambient temperature before ignition can occur. Flash point at or above 93.3 C/200 F
HEALTH 1 - Exposure would cause irritation with only minor residual injury 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.

SAFETY DATA SHEET

VersaSolv Conc Screen Wash	
HEALTH	2
FLAMMABILITY	1
PHYSICAL HAZARD	0
PERSONAL PROTECTION	H

HMIS rating explanation as applied to VersaSolv Concentrated Screen Wash

HEALTH 2 - Temporary or minor injury may occur.
FLAMMABILITY 1 - Materials that must be preheated before ignition will occur. Includes liquids, solids and semi solids having a flash point above 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.

HMIS Numbering System: 0 - Least Hazardous, 4 - Most Hazardous
NFPA Numbering System: 0 - Least Hazardous, 4 - Most Hazardous
GHS Numbering System: 5 - Least Hazardous, 1 - Most Hazardous

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