SAFETY DATA SHEET

EASIWAY

SDS No.: 5
Revision: November 24, 2025
Date Created: March 13, 2017

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Identifier: **EasiSolv 1028 Ink & Emulsion Remover**
General Use: **Ink and Emulsion Remover**
Product Description: **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	Category 2 - thyroid
Specific Organ Toxicity Single Exposure	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	Not Rated under GHS; G31 Corrosion test completed for more concentrated similar material.
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 thyroid skin

DANGER

Hazard Statements
H318 - Causes Serious Eye Irritation
H315 - Causes Skin Irritation
H373 - May Cause Damage to Thyroid Through Prolonged or Repeated Ingestion of Iodine Containing Ingredients
H402 - Harmful to Aquatic Life

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 water to remove product from skin.
P332+P317 - If skin irritation occurs: Get medical help.
P317 - Get medical help if eye irritation and redness persists.
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 #	GHS Categories
Sodium Metaperiodate	1 - 3	7790-28-5	Ox sol 1 - H271; STOT SE 3 - H335; Aqua Acute 1 - H400; STOT RE 1 - H372; Skin Cor 1C-H314; Eye irrit 2 - H319
Dibasic Esters	7 - 20	Mixed	Eye Irrit - H320
Benzenesulfonic acid, C_{10}-C_{16}- alkyl derivatives	<1	68584-22-5	Acute Tox 4 - H302; Eye Dam 1 - H318; Skin Corr 1C - H314
Sulfuric acid	trace	7664-93-9	Skin Cor 1A - H314; Eye Dam 1 - H318; Met Cor 1 - H290; STOT SE 3 - H335;
Nonylphenol polyethylene glycol ether	2 - 5	127087-87-0	Skin Irrit 2 - H315; Aqua Chronic 2 - H411;

Sodium Dioctyl Sulfosuccinate	9 - 12	577-11-7	Skin Irrit 2 - H315; Eye Dam 1 - H318; Eye Irrit 2 - H319; Acute Tox 4 - H302
Dipropylene glycol monomethyl ether acetate	10 - 20	88917-22-0	Acute Tox 4 - H302

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.

5. FIRE FIGHTING MEASURES

Flashpoint and Method: Not Applicable
Flammable Limits: Unknown
Autoignition Temperature: Unknown

GENERAL HAZARD:
Product contains water but also organic components that could fuel an existing fire creating noxious gases.

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.

INTERIOR SPILL:
Restrict the spill area to essential personnel involved in the cleanup. Avoid dispersing vapors from the spill area to other parts of the building through the ventilation system. If the area has outside exhaust, operate that to remove any vapors generated by the spill. Collect spilled material with tools or adsorbent media that is appropriate for this type of material. After the spill is removed, the area can be cleaned using water. Personnel doing the cleanup should wear PPE including gloves, protective clothing, and respiratory protection.

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 reducing 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)

	EXPOSURE LIMITS 8 hrs TWA (ppm)				
Component	OSHA PEL	ACGIH TLV	NIOSH REL	AIHA WEEL	Other
Sodium Metaperiodate	None Established	0.01 ppm*	None Established		
Dipropylene glycol monomethyl ether acetate	None Established	None Established	0.08 mg/m^3**		

*-TLV set for iodides in general measured as inhalable fraction and vapor and not specific for sodium metaperiodate.

** - Draft interim REL March 2010

The product presents an inhalation hazard as both a vapor and a mist. Sodiium metaperiodate is a moderately strong oxidizing agent.

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 oxidizer 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 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:	1.03	**Evaporation Rate:**	No Data Available
Solubility in Water:	Soluble	**Freezing Point:**	No Data Available
		Odor:	Mild
pH:	5 - 6	**Appearance:**	Clear, colorless
Boiling Point:	100°C/212°F	**Physical State:**	Liquid
Viscosity:	<10 cps	**Flammable Range:**	No Data Available
Flash Point:	>93°C/200°F	**VOC content:**	300 g/l (2.5 lbs/gallon) calculated based on EPA Method 24 criteria

10. STABILITY AND REACTIVITY

GENERAL:
No dangerous reactions known under normal use conditions.

INCOMPATIBLE MATERIALS AND CONDITIONS TO AVOID:
Combustible materials, reducing agents, organic materials, caustics

HAZARDOUS DECOMPOSITION:
Heating will cause decomposition resulting in corrosive acid residues to metal surfaces that need to be removed to avoid life span impact.

11. TOXICOLOGICAL INFORMATION

TOXICITY TO ANIMALS:

Component	Acute Test	Value	Species
Sodium Metaperiodate	LD50 intraperitoneal	58 mg/kg	Mouse
Sodium Metaperiodate	EPISKIN Human	Corrosive Category 1C (exposures between 1 and 4 hrs with observations up to 14 days)	
Sodium Metaperiodate	LD50 Oral	264 mg/kg	Rat
Sulfuric Acid	LD50 oral	2140 mg/kg	Rat
Benzenesulfonic acid, C_{10}-C_{16}-alkyl derivates	LD50 dermal	2000 mg/kg	Rabbit
Benzenesulfonic acid, C10-C16-alkyl derivates	LD50 oral	775 mg/kg	Rat
Dipropylene glycol monomethyl ether acetate	LD50 oral	5 448 mg/kg	Rat
Dipropylene glycol monomethyl ether acetate	LC50 inhalation	>5 700 mg/m^3	Rat
Dipropylene glycol monomethyl ether acetate	LD50 dermal	>5 000 mg/m^3	Rat

ROUTES OF ENTRY:
Inhalation of vapor or mist. Product contains ingredients that are oxidizers and are skin and eye exposure hazards.

CHRONIC EFFECTS ON HUMANS:
Long-term or repeated exposure to sodium metaperiodate can result in cumulative effects from exposure to the iodine component. Possible products of the reaction of sodium metaperiodate with various body materials produce iodine and iodide. Iodine is essential to the thyroid but over supply causes goiter and changes in the activity of the thyroid gland. Ingredients are not identified as suspect carcinogens, sensitizers, and germ cell mutagens. Reproductive hazard exists with excessive iodine exposure via the oral route but this is unlikely based on the prescribed product use.

Eyes:
The product chemical mixture is irritating to the eyes. Eye contact with the liquid or mist needs to be addressed immediately.

Skin:
The product mixture is irritating to the skin. Wash affected skin immediately after contact.

Ingestion:
Not a likely route of exposure based on product use, however, the iodine component needs to be addressed by medical personnel. Do not induce vomiting unless directed to do so by trained medical personnel.

Inhalation:
Components of the product are organic and have some volatility that can present a vapor inhalation hazard.
Aerosolizing the product to produce a mist will create a corrosive inhalation hazard. Personal protection, including respiratory protection, needs to be utilized if using the product in an aerosol/mist.

12. ECOLOGICAL INFORMATION

Species	Test Information	Concentration	Component
Rainbow trout	semi-static LC50	>0.17 mg/l-96 hr	Sodium periodate
Water flea	static test LC50	>0.18 mg/l-48 hr	Sodium periodate
Pimephase promelas	LC50 - 96 hr	18-24 mg/l	Dibasic ester
Water flea	EC50 - 48 hr	112-150 mg/l	Dibasic ester
Fish	LC50 (4 days)	84.7 mg/l	4-nonylphenol, branched ethoxylated
Aquatic Invertebrates	EC50-48hrs	14 - 23.066 mg/l	4-nonylphenol, branched ethoxylated
Algae and Cyanobacteria	NOEC - 4 days	8 mg/l	4-nonylphenol, branched ethoxylated

PRODUCTS OF BIODEGRADATION:
Product iodine-containing component is likely to reduce to iodides in the environment. Depending on the quantity, these could be hazardous to aquatic life.

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	EasiSolv 1028 Ink & Emulsion 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	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	EasiSolv 1028 Ink & Emulsion Remover
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	**EasiSolv 1028 Ink & Emulsion Remover**
UN Number	**NA**
Proper Shipping Name Description	
Class or Division	
Subsidiary Risks	
Packing Group	
Special Provisions	
Limited Quantities	
Excepted Quantities	
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.

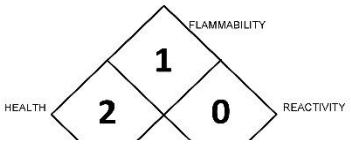
SARA Section 302 - Emergency Planning Notification -
SARA Section 304 - Emergency Release Notification - None
SARA 311/312 - Hazard categories for SARA Section 311/312 Reporting -

CERCLA - Hazardous Substance -
RCRA Hazardous Waste Classification - None

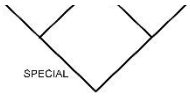
California Proposition 65:
Ethyl alcohol is on the list but listing is applicable to alcoholic beverages. Ethyl alcohol is a trace component.

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 1028 Ink & Emulsion Remover
FLAMMABILITY 1 - Materials that require considerable preheating, under all ambient temperature before ignition can occur. Flash point at or above
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 1028	
HEALTH	2
FLAMMABILITY	1
PHYSICAL HAZARD	0
PERSONAL PROTECTION	H

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.

CREATION/REVISION SUMMARY:

Created on:
March 13, 2017. Reviewed November 24, 2025.
Category 1 eye rating verified and corrosion symbol added to Section 2 as required by GHS for category 1. Other sections were reviewed. IATA and IMDG added to section 14. Indoor spill control added to Section 6.

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