

1. IDENTIFICATION OF THE SUBSTANCE PREPARATION AND COMPANY UNDERTAKING**1.1 PRODUCT IDENTIFIER**

Product name: Postage Meter Sealing Solution for Universal 608-8
Part number: UNIPEN64RTU

1.2 IDENTIFIED USES AND USES ADVISED AGAINST

For use in: This mixture is suitable for use in Postal/Mailing/Franking machines.

1.3 SUPPLIER DETAILS

Supplier: Clover Technologies Group
4200 Columbus Street.
Ottawa, IL 61350
United States
Phone number: 815-431-8100
Fax: 815-461-8583
Contact Hours: 08:00AM-05:00PM CST

1.4 EMERGENCY TELEPHONE NUMBERS

Supplier: N/A

* This document provides safety-related information about toner contained in print cartridge for use in laser printer

2. HAZARDS IDENTIFICATION**2.1 INFORMATION and CLASSIFICATION**

Overview: This product is a light blue liquid with a mild odor.

2.2 LABEL ELEMENTS

Applicable Pictograms:



Danger Indications: Warning – May cause irritation to mucous membranes, skin and eyes.

Risk Phrases: Do not breathe vapors, mist or spray. Get medical advice/attention if you feel unwell. Dispose of contents/containers in accordance with local, regional, federal and international regulations.

Safety Phrases: N/A

2.3 OTHER HAZARDS

PBT or vPvB: N/A Exposure may aggravate those with pre-existing eye, skin, or respiratory conditions.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredients	CAS number	Weight %	OSHA PEL	ACGIH TLV	Other
Dipropylene Glycol Methyl Ether	034590-94-8	15	TWA: 100 ppm	TWA: 100 ppm	NIOSH REL: 150 ppm. OSHA (STEL): TWA: 150 ppm.
Sodium Dodecylbenzene Sulfonate	025155-30-0	10			

The Full Text for all R-Phrases are Displayed in Section 16

COMPOSITION COMMENTS

The Data Shown is in accordance with the latest Directives.

This section provides composition information for the toner powder contained in specially designed container inside of the print cartridge.

4. FIRST-AID MEASURES

4.1 FIRST AID MEASURES

4.1.1 FIRST AID INSTRUCTIONS BY RELEVANT ROUTES OF EXPOSURE

- Inhalation: Remove to fresh air. If adverse effect occurs, move to fresh air and keep at rest in a position comfortable for breathing. Obtain medical attention if breathing difficulty persists.
- Eye contact: Immediately flush eyes with plenty of water for at least 15 minutes. Hold eyelids open during flushing process. After initial flushing, remove contact lenses (if present and easy to do) and continue rinsing. Obtain medical attention if redness, pain or irritation occurs.
- Skin contact: In case of contact, immediately wash skin with plenty of water for at least 15 minutes. Remove contaminated clothing. Rinse effected area with water. Obtain medical attention if irritation develops or persists.
- Ingestion: Call a physician. Do not induce vomiting. Drink plenty of water to dilute. Get medical attention if you feel unwell. See Section 11.

4.1.2 ADDITIONAL FIRST AID INFORMATION

- Additional first aid information: N/A
- Immediate Medical Attention Required: N/A

4.2 SYMPTOMS AND EFFECTS

- Acute Symptoms from Exposure: N/A
- Delayed Symptoms from Exposure: N/A

4.3 IMMEDIATE SPECIAL TREATMENT OR EQUIPMENT REQUIRED

Note to physician: No specific antidote is known. Therapy is directed as preventing absorption, administering to the symptoms as they occur and providing supportive therapy.

5. FIRE-FIGHTING MEASURES

5.1 EXTINGUISHING MEDIA

Recommended Extinguishing Media: Use extinguishing media appropriate for surrounding fire.
Extinguishing Media Not to be Used: Do not use a heavy stream of water as this may spread the fire.

5.2 SPECIAL HAZARD

Unusual Fire/Explosion Hazards: Not flammable. Product is not explosive. Hazardous reactions will not occur under normal conditions.
Extinguishing Media Not to be Used: N/A

5.3 ADVICE FOR FIRE FIGHTERS

Avoid inhalation of smoke. Wear protective clothing and wear self-contained breathing apparatus

6. ACCIDENTAL RELEASE MEASURES

6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

6.1.1 PRECAUTIONS FOR NON-EMERGENCY PERSONNEL

For non-emergency and emergency personnel: See section 8 – personal protection. Protective gloves and safety goggles not necessary, but suggested.

6.1.2 ADDITIONAL FIRST AID INFORMATION

N/A

6.1.3 PERSONAL PROTECTION

Wear personal protective equipment as described in Section 8.

6.2 ENVIRONMENTAL PRECAUTIONS

Regulatory Information: Keep product out of sewers and watercourses.

6.3 METHODS AND MATERIAL FOR CONTAINMENT AND CLEANUP

Spill or Leak Cleanup Procedures: Wear appropriate protective clothing as described in Section 6.1. Dike spill and absorb with an inert material. Collect into closable containers for proper disposal. Report spill as required by local and federal regulations.

7. HANDLING AND STORAGE

7.1 PRECAUTIONS FOR SAFE HANDLING

Recommendations for Handling: No special precautions when used as intended. Keep containers closed, avoid creating dust. Keep away from ignition sources.

Advice on General Hygiene: Never eat, drink or smoke in work areas. Practice good personal hygiene after using this material, especially before eating, drinking, smoking, using the restroom, or applying cosmetics.

7.2 CONDITIONS FOR SAFE STORAGE

Avoid high temperatures, >100°F/32°C

7.3 SPECIFIC END USES

Printing devices

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 CONTROL PARAMETERS

The best protection is to enclose operations and/or provide local exhaust ventilation at the site of chemical release in order to maintain airborne concentrations of the product below OSHA PELs (See Section 3). Local exhaust ventilation is preferred because it prevents contaminant dispersion into the work area by controlling it at its source.

8.2 EXPOSURE CONTROLS

Respiratory protection:

IMPROPER USE OF RESPIRATORS IS DANGEROUS. Seek professional advice prior to respirator selection and use. Follow OSHA respirator regulations (29 CFR 1910.134 and 1910.137) and, if necessary, wear a NIOSH approved respirator. Select respirator based on its suitability to provide adequate worker protection for given work conditions, levels of airborne contamination, and sufficient levels of oxygen.

Eye/Face Protection:

Contact lenses are not eye protective devices. Appropriate eye protection must be worn instead of, or in conjunction with contact lenses.

Hand/Skin Protection:

For emergency or non-routine operations (cleaning spills, reactor vessels, or storage tanks), wear an SCBA. WARNING! Air purifying respirators do not protect worker in oxygen deficient atmospheres.

Additional Protection:

N/A

Protective Clothing and Equipment:

Wear chemically protective gloves, boots, aprons, and gauntlets to prevent prolonged or repeated skin contact. Wear splash-proof chemical goggles and face shield when working with liquid, unless full face piece respiratory protection is worn.

Safety Stations:

Make emergency eyewash stations, safety/quick-drench showers, and washing facilities available in work area.

Contaminated Equipment:

Separate contaminated work clothes from street clothes. Launder before reuse. Remove material from your shoes and clean personal protective equipment. Never take home contaminated clothing.

Comments:

Never eat, drink or smoke in work areas. Practice good personal hygiene after using this material, especially before eating, drinking, smoking, using the restroom, or applying cosmetics.

9. PHYSICAL AND CHEMICAL PROPERTIES**9.1 DETAIL INFORMATION**

Physical state: Liquid. Color: Blue
Color: N/A
Odor: Mild odor
Odor threshold: N/A

Boiling point: 212°F
Melting point: N/A
Flash point: > 200°F
Explosion limits: N/A
Relative density: N/A
Auto-ignition temperature: N/A

9.2 OTHER INFORMATION

SPECIFIC GRAVITY (H₂O=1): 1.00 - 1.10 VAPOR PRESSURE: 0.60PSI (@77°F) VAPOR DENSITY (Air=1): Heavier than air SOLUBILITY IN WATER: Complete FREEZING POINT: 0 - 3.33°C COEFFICIENT of WATER/OIL: Not available EVAPORATION RATE: < Butyl Acetate pH: 5.5 - 7.5

10. CHEMICAL STABILITY AND REACTIVITY**10.1 Reactivity:**

Reactivity Hazards: None
Data on Mixture Substances: None

10.2 Chemical Stability: The product is stable. Under normal conditions of storage and use, hazardous polymerisation will not occur.

10.3 Hazardous Polymerization: Stable under conditions of normal use.

10.4 Conditions to Avoid: Keep away from heat, flame, sparks and other ignition sources.

10.5 Incompatible Materials: Strong oxidising materials

10.6 Hazardous Decomposition: Will not occur.

11. INFORMATION ON TOXICOLOGICAL EFFECT

Mixtures:	N/A
Acute Toxicity:	N/A
Skin Corrosion/Irritation:	Not expected to cause irritation
Serious Eye Damage:	May cause minimal eye irritation
Inhalation:	Overexposure may cause headache.
Sensitization:	N/A
Mutagenicity:	No ingredients trigger or classify under this category
Carcinogenicity:	None of the components of this product are listed as a carcinogen by NTP, IARC or OSHA.
Reproductive Toxicity:	No ingredients trigger or classify under this category
STOT - Single Exposure:	No ingredients trigger or classify under this category
STOT - Multiple Exposure:	No ingredients trigger or classify under this category
Ingestion:	May cause upset stomach
Hazard Class Information:	N/A
Mixture on Market Data:	N/A
Symptoms:	N/A
Delayed/Immediate Effects:	N/A
Test Data on Mixture:	N/A
Not Meeting Classification:	N/A
Routes of Exposure:	N/A
Interactive Effects:	N/A
Absence of Specific Data:	N/A
Mixture vs Substance Data:	N/A

12. ECOLOGICAL INFORMATION

12.1 Eco toxicity:	No Data Available
12.2 Degradability:	No Data Available
12.3 Bioaccumulation Potential:	N/A
12.4 Mobility in Soil:	N/A
12.5 PBT & vPvB Assessment:	N/A
12.6 Other Adverse Effects:	N/A

13. DISPOSAL CONSIDERATIONS**Disposal Information:**

Dispose as a solid waste in accordance with local authority regulations.
Empty container retains product residue.

Physical/Chemical Properties that affect Treatment:

Symbol: This product is not classified as dangerous
Risk Phrases: This product is not classified according to the federal, state and local environmental regulations.

Waste Treatment Information:

Do not shred toner cartridge, unless dust-explosion prevention measures are taken. Finely dispersed particles may form explosive mixtures in air. Dispose of in compliance with federal, state, and local regulations.

Personal Protection Required:

N/A

14. TRANSPORT INFORMATION

14.1 ID Number:	None.
14.2 Shipping Name:	Not Regulated
14.3 Hazard Class:	Non-Hazardous
14.4 Packing Group:	N/A
14.5 Environmental Hazards:	N/A
14.6 User Precautions:	N/A
14.7 Bulk Transport:	N/A

15. REGULATORY INFORMATION

15.1 Regulatory Information:	OSHA HAZARD CLASSIFICATION: Irritant, target organ effects
EPA Regulatory Information:	N/A
CERCLA Reportable Quantity:	CERCLA Reportable Quantity: Sodium Dodecylbenzene Sulfonate (CAS: 025155-30-0) Reportable Qty: 1000lbs; CWA: Sodium Dodecylbenzene Sulfonate (CAS: 025155-30-0) Reportable Qty: 10,000lbs
15.2 Superfund Information:	
Hazard Categories:	
Immediate:	N/A
Delayed:	N/A
Fire:	NFPA Rating: Health = 1 Fire = 0 Reactivity = 0
Pressure:	N/A
Reactivity:	N/A
Section 302 - Extremely Hazardous:	N/A
Section 311 - Hazardous:	N/A
15.3 State Regulations:	The following components appear on one or more of the following state hazardous substances lists: Component - Dipropylene Glycol Methyl Ether, CAS - 034590-94-8, MA MA1, NJ NJ1, PA PA1. Not listed under California Proposition 65. Sodium Dodecylbenzene Sulfonate, CAS - 025155-30-0, MA MA1, NJ NJ1, PA PA1E. Not listed under California Proposition 65.
15.4 Other Regulatory Information:	CERCLA HAZARDOUS SUBSTANCE (40CFR 116): Not Applicable WHMIS CLASSIFICATION: Not Applicable

16. OTHER INFORMATION

General Comments: This information is based on our current knowledge. It should not therefore be construed as guaranteeing specific properties of the products as described or their suitability for a particular application

Creation Date of this SDS: 01/11/2019



SAFETY DATA SHEET

Key to Abbreviations and Acronyms used in this sheet:

ACGIH = American Conference of Governmental Industrial Hygienists	NIOSH = National Institute for Occupational Safety and Health
CERCLA = Comprehensive Environmental Response Compensation and Liability Act	OSHA = Occupational Health and Safety Administration
CLP = Classification, Labeling, and Packaging	PEL = Permissible Exposure Limit
DSD = Dangerous Substances Directive	SCBA = Self Contained Breathing Apparatus
EPA = Environmental Protection Agency	STOT = Specific Target Organ Toxicity
GHS = Globally Harmonized System	TLV = Threshold Limit Value
N/A = Not Applicable	UK = United Kingdom
NFPA = National Fire Protection Association	UN = United Nations

Ref:**DISCLAIMER**

All trademarks and models referenced are property of their respective holders and are used for identification purposes only. These products are not sponsored by, affiliated with, manufactured by or distributed by the named manufacturers. This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.