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MATERIAL SAFETY DATA SHEET
PREPARED IN ACCORDANCE WITH
ISO 11014-1/ANSI STANDARD Z400.1-2004

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name:	Monomer Flush
Product Identifier:	Printing Ink; Mixture
Use:	For Industrial Use Only by Qualified Personnel
Manufacturer:	Ink Mill Corporation
Address:	6 Bay Road, Sanbornton, NH 03269
Emergency Phone Number:	CHEMTREC: (800) 424-9300 (24 hrs., 7 days a week)
Date Updated:	06/16/15

2. HAZARDS IDENTIFICATION

GHS Classification: Flammable Liquids Category 2
Specific target organ systemic toxicity – single exposure Category 2

GHS Classification Scale (1=severe hazard; 4=slight hazard)

GHS Label elements:
Pictograms or Symbols:

Signal Word: Warning

Hazard Statement: H227 Combustible liquid
H335 May Cause respiratory irritation

Precautionary Statements:

P261 Avoid breathing dust/fume/gas/mist/vapors/spray.
P271 Use only outdoors or in a well-ventilated area.

P312 Call a POISON CENTER or doctor/physician if you feel unwell.

P403 + P233 Store in a well-ventilated place. Keep container tightly closed.

Disposal: Dispose of contents/container according to local/regional/national/international regulations.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Hazards Identification	CAS #	Weight %
1,6 - Hexandiol Diacrylate	13048-33-4	>50%
Neopentylglycol(PO)2 Diacrylate	84170-74-1	>50%

4. FIRST AID MEASURES

Skin:

Wash with soap and water and rinse thoroughly for 15 minutes. Get medical attention if blisters or inflammation are present on the skin.

Eyes:

Flush eyes and under eyelids for 15 minutes with water. Seek medical attention if irritation or redness persists.

Inhalation:

Move to fresh air. Seek medical attention if irritation persists.

Ingestion:

Do not induce vomiting. Rinse mouth with water but do not swallow and get medical attention. Call Poison Control or Physician immediately.

5. FIRE FIGHTING MEASURES

Flammable Properties:	Flash Point: 75C (167F)
Extinguishing Media:	Water spray for cooling, foam, carbon dioxide, dry chemical, or Halon for fire suppression.
Hazardous Combustion Products:	Material is a flammable liquid but must be preheated for combustion. May burn in fire conditions releasing products, which may be toxic (CO, CO2, and volatile organics).
Fire Fighting Procedures:	Wear approved MSHA/NIOSH breathing apparatus

and full protective clothing.

6.ACCIDENTAL RELEASE MEASURES

Personal Precautions:
Evacuate personnel from the area. Shut off all sources of ignition; No flares, smoking, or flames in the area. Clean-up to be performed only by trained personnel. Wear protective equipment.
Environmental Precautions:
Do not flush to sewer or waterways.
Dike with soil. Cover with a sheet to prevent expanding odor.
Methods for Cleaning up:
For small spills, use absorbent media. Dispose of the absorbent media according to local, regional, and national regulations.
For large spills, enclose the spilled liquid with sand. Recover the liquid while covering it with an oil-resistant antistatic sheet. Dispose of material according to local, regional, and national regulations.

7. HANDLING AND STORAGE

In accordance with good industrial practices, handle with care and avoid personal contact.
Wear protective gloves, safety goggles, and other protective clothing.
Avoid contact with skin, eyes, and clothing.
Keep out of direct sunlight and away from heat source.
Keep tightly closed.
Keep from freezing.
Keep from oxidizing agents.
Use adequate ventilation.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls:
Facilities storing or utilizing this substance should be equipped with an eyewash facility and a safety shower.
Use Process enclosures, local exhaust ventilation, or other engineering controls.
Control parameters:
ACGIH – STEL 150 ppm, TWA 100 ppm.
OSHA – TWA 100 ppm 600 mg/m3
NIOSH – IDLH 600 ppm
Respiratory protection:
When workers are facing concentrations above the exposure limit, they must use Chemical cartridge respirator for an organic vapor, or pressure self-contained breathing apparatus.
Hand protection:
Chemical resistant gloves such as: Neoprene or Nitrile.
Eye protection:
Safety Glasses with side shields, goggles, or face shield.
Skin and body protection:
Suitable safety clothes, aprons, shoes and protective boots.

9.PHYSICAL AND CHEMICAL PROPERTIES OF INK

General Information: Colored liquid with mild odor.

pH:	Not applicable
Boiling point:	173° C
Melting point:	-5° C
Flash point:	142° C (closed cup)
Autoignition Temp:	No Data
Oxidizing properties:	None
Vapor density:	> 1 (air = 1)
Density:	1.01 g/ml (25° C)
Solubility in Water:	Completely miscible
Viscosity:	5-15 cps
VOC:	No Data

10. STABILITY AND REACTIVITY

Stability:	Stable under normal conditions.
Conditions to avoid:	Avoid heat and freezing temperatures.
Materials to avoid:	Strong Oxidizing materials, peroxides, acids or iron.

Hazardous decomposition products: Will decompose to form carbon oxides when burned.

11. TOXICOLOGY AND HEALTH HAZARDS

Acute Toxicity:

Acute Oral Toxicity: Based on acute toxicity values, not classified. Ingestion of very large amounts may cause CNS depression, respiratory failure, and death in cases of sever over-exposure.
LD50:> 5,000 mg/kg, Species: Rat

Acute Inhalation Toxicity: Based on acute toxicity values, not classified. May cause mild CNS depression. Exposure to vapor may cause irritation of the eyes, nose or throat.
LC50: > 275 ppm, Exposure Time: 7 hours, Species: Rat

Acute Dermal Toxicity: Based on acute values, not classified.
LD50:>9,500 mg/kg, Species: Rat

Skin Corrosion/Irritation: Based on acute values, not classified

Serious Eye Damage/Eye Irritation: Based on eye irritation values, not classified.

Respiratory or Skin Sensitization: Respiratory sensitization. No Data Available. No Study Available. Skin Sensitization. No Data Available. No Study Available. No Adverse Effect Observed.

Chronic Toxicity:

Mutagenicity: Not Classified. No adverse effect observed.

Carcinogenicity: Not Classified. No adverse effect observed.

Reproductive Toxicity:

Effects on Fertility/ Effects on or via lactation: Not Classified. No adverse effect observed.

Effects on Development: Not Classified. No adverse effect observed.

12. ECOLOGICAL INFORMATION

Ecotoxicity Assesment:

Acute Aquatic Toxicity:	Based on acute aquatic toxicity values, not classified.
Chronic Aquatic Toxicity:	Not Classified, based on readily biodegradability and low acute toxicity.
Toxicity to fish:	Acute toxicity to fish is low.
Toxicity to daphnia and other aquatic invertebrates:	Acute toxicity to freshwater and marine invertebrates is very low.
Toxicity to algae:	Acute toxicity to aquatic plants is very low.
Toxicity to bacteria:	Low toxicity to sewage microbes.
Toxicity to fish (Chronic Toxicity):	No Data Available
Toxicity to daphnia and other aquatic invertebrates (Chronic Toxicity):	Low chronic toxicity to Aquatic invertebrates.

Persistence/degradability:

Biodegradability:	76-92% Rapidly degradable. (After 28 days in a ready biodegradability test)

Bioaccumulative Potential

Bioaccumulation:	This material is not expected to bioaccumulate.

Mobility in Soil

Distribution among Environmental compartments:	Stability in Water No Data Available Stability in Soil No Data Available, Low absorption to soil particulates predicted

13. DISPOSAL CONSIDERATIONS

Waste from residues:
Burn in a chemical incinerator equipped with an afterburner and scrubber. Consult an expert on the disposal of recovered material.
Any contaminated packaging:
Do not put other material into the used container and do not use it for other purpose.
Wash the inside of the container before disposal.
Comply with all federal, state and local regulations.
Do not dump this product into sewers, on the ground or into any body of water.

14. TRANSPORT INFORMATION

The UN classification number
UN Class: Not applicable
UN Number : Not applicable
Proper shipping Name: Not applicable
Packing Group: Not applicable
Marine Pollutant: Not applicable

Specific precautionary transport measures and conditions:
Avoid falling, dropping, shocking and dragging a container.
Protect a container from direct sunlight.

By 49 CFR 172.101 published by the US department of Transportation, this product is **not** considered Dangerous Goods.
DOT listing: None
Packing group: None
DOT Labels required: None
Marine pollutant: Components are not listed as marine pollutants.

Sea transport
IMDG
Not classified as a dangerous good under transport regulations

Air transport
IATA/ICAO

Not classified as a dangerous good under transport regulations

15. REGULATORY INFORMATION

All components are on TSCA, EINECS/ELINCS, AICS, DSL, ENCS, and ECL.
All components are REACH registered and not listed in Annex XIV of EC No., 1907/2006 REACH Restriction.
All components are not listed on SARA Title III 313.

Regulatory information with regard to this product in your country or region should be examined by the end user.

16. OTHER INFORMATION

The above information is believed to be correct but does not purport to be all-inclusive and shall only be used as a guide. Novus Imaging, Inc. offers this information as a service to our customers and shall not be held liable for any damage resulting from handling or from contact with the above product.

END OF SDS