

**AMERICAN INTERNATIONAL INDUSTRIES**

2220 GASPAR AVENUE
LOS ANGELES, CA 90040
CHEM-TEL: (800) 255-3924

MATERIAL SAFETY DATA SHEET**PRODUCT NAME:** EzFlow EZ Super Erase**DATE:** 4/6/2005**FORMULA:** 30-6112**REV.** NEW**Section 1. Material Identification and Information****Hazardous Ingredients:**

Component	CAS #	%	TOXICOLOGICAL DATA	
			OSHA TWA/STEL	ACGIH TWA/STEL
Ethyl Methacrylate	97-63-2	80-90%	100ppm	100ppm
Acetone	67-64-1	10-20%	1000ppm	750ppm
Acrylic Resin	23035-69-2	0-1%	N/E	N/E

N/E - None Established N/DA - No Data Available

Hazard Symbols: Xi F**Risk Phrases:** R11, R36/37/38, R43, R43, R66, R67**Safety Phrases:** S9, S16, S29, S33, S36/37/39, S45**Section 2. Physical / Chemical Characteristics****Boiling Point:** 244°F/118°C**Vapor Pressure:** 15 mm Hg @ 20°C

(mm Hg and Temperature)

Vapor Density: >3.9

(Air = 1)

Solubility in Water: 0.5g/100g @ 20°C**Appearance:** Clear, colorless liquid**Odor:** Sharp Ester-Like**Specific Gravity:** 0.918

(@ 25°C)

Viscosity: N/DA, mPas @ 20°C**Evaporation Rate:** N/DA, mPas @ 20°C

(Butyl Acetate = 1)

Water Reactive: N/A**pH:** N/A**% Volatile:** 99%+**Section 3. Fire and Explosion Hazard Data****Flash Point:** 54°F/12°C Tag Closed Cup**Auto-Ignition Temperature:** 781°F/416°C**Flammability Limits in Air % by Volume:** **LEL:** 2%**UEL:** N/DA**Extinguisher Media:** Foam, Carbon Dioxide, Dry Chemical**Fire Fighting Procedures:** Wear self-contained breathing apparatus and full protective gear. Water may be ineffective unless used as a fine spray or fog. Use water spray to cool the exposed containers of methacrylate monomer.**Unusual Fire and Explosion Hazards:** Vapors may travel to source of ignition and flash back. Avoid ignition sources or excessive temperatures. Heat can induce polymerization with rapid release of energy. Closed containers may rupture explosively. Spontaneous polymerization may occur with prolonged aging.

**AMERICAN INTERNATIONAL INDUSTRIES**

2220 GASPAR AVENUE
LOS ANGELES, CA 90040
CHEM-TEL: (800) 255-3924

MATERIAL SAFETY DATA SHEET**PRODUCT NAME:** EzFlow EZ Super Erase**DATE:** 4/6/2005**FORMULA:** 30-6112**REV.** NEW**Section 4. Reactivity Hazard Data****Stability:** ☒ Stable ☐ Unstable**Conditions to Avoid:** Temperatures above 40°C, oxidizing or reducing agents, peroxides and amines, storage in absence of inhibitor, and inadvertent addition of catalyst.**Incompatibility (Materials to Avoid):**

Reducing and oxidizing agents and UV light.

Hazardous Decomposition:

Oxides of carbon when burned.

Hazardous Polymerization:☒ May Occur ☐ Will Not Occur**Section 5. Health Hazard Data****Emergency Overview:**

- May cause allergic skin reaction
- **Flammable liquid and vapor!**
- May cause eye irritation
- May cause respiratory tract irritation
- Please read entire MSDS for additional information.

Primary Routes of Entry:☒ Inhalation ☒ Skin Absorption ☐ Ingestion ☒ Eye Contact**Carcinogen Listed In:**☐ NTP ☐ IARC Monograph ☐ OSHA ☒ Not Listed

Health Hazards:

Eye Contact: Vapor concentrations may cause irritation of eyes. Liquid contact with eyes can cause irritation and possible corneal damage.

Skin Contact: Liquid concentration may cause moderate skin irritation. Repeated or prolonged contact may cause allergic skin rashes, itching and swelling which becomes evident on re-exposure to this product.

Inhalation: High vapor concentrations may irritate the respiratory system. Prolonged exposure can lead to headaches, nausea, drowsiness and unconsciousness.

Ingestion: Causes irritation, a burning sensation of the mouth, throat and respiratory tract and abdominal pain.

Sub-Chronic Effects: Unlikely to present a cancer hazard in man.

NOTE: Refer to Section 8, Toxicological Information for Details

Emergency First Aid Procedures:

Eye Contact: Flush with water for 15 minutes, including under eyelids. Seek medical attention if discomfort persists.

Skin Contact: Wash thoroughly with soap and water. Remove contaminated clothing and wash before reuse. Seek medical attention if discomfort persists.

Inhalation: Remove to fresh air. If having breathing difficulty, give oxygen.

**AMERICAN INTERNATIONAL INDUSTRIES**

2220 GASPAR AVENUE
LOS ANGELES, CA 90040
CHEM-TEL: (800) 255-3924

MATERIAL SAFETY DATA SHEET**PRODUCT NAME:** EzFlow EZ Super Erase**DATE:** 4/6/2005**FORMULA:** 30-6112**REV.** NEW

Ingestion: breathing has stopped, give artificial respiration. Seek medical attention if discomfort persists.
Rinse mouth out with water. Only induce vomiting if directed by a physician. Never give anything by mouth to an unconscious person. Seek prompt medical attention.

Section 6. Control and Protective Measures**Engineering Controls:**

Facilities storing or utilizing this material should be equipped with an eye facility and safety shower. Use process enclosures local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Use explosion-proof ventilation equipment.

General:

To identify additional Personal Protective Equipment (PPE) requirements, it is recommended that a hazard assessment in accordance with OSHA PPE Standard (29 CFR 1910.132) be conducted before using this product. Provide eye wash stations and safety showers. Wear impervious clothing to prevent ANY contact with this product, such as gloves, apron, boots, or whole body suit. Nitrile rubber is better than PVC.

Respiratory Protections (Specific Type):

A NIOSH/MSHA approved air purifying respirator with an organic vapor cartridge or canister may be permissible under certain limited circumstances where airborne concentrations are expected to exceed exposure limits. Protection provided by air purifying respirators is limited. Wear a NIOSH/MSHA or European Standard EN 149 approved full-facepiece airline respirator in the positive pressure mode with emergency escape provisions. Follow OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149.

Eye/Face Protection: Wear safety glasses. Wear coverall chemical splash goggles and face shield when possibility exists for eye and face contact due to splashing or spraying material.

Skin Protection: Use impermeable clothing to prevent ANY contact with this product, such as gloves, apron, boots, or whole body suit. Nitrile rubber is better than PVC.

Section 7. Precautions for Safe Handling and Use / Leak Procedures**Steps to be Taken if Material is Spilled or Released:**

Eliminate all sources of heat and ignition. Use absorbent material for spills and dike it, wash spill material into retaining containers. Place containers in a well ventilated area. Consult an expert on disposal of recovered material and ensure conformity to local disposal regulations. Keep unnecessary and unprotected personnel from entering. Contain and recover liquid when possible. Use non-sparking tools and equipment. Collect liquid in an appropriate container or absorb with an inert material (e.g., vermiculite, dry sand, earth), and place in a chemical waste container. Do not use combustible materials, such as sawdust. Do not flush to sewer! US Regulations (CERCLA) require reporting spills and releases to soil, water and air in excess of reportable quantities. The toll free number for the US Coast Guard National Response Center is (800) 424-8802. EU Regulations require the consultation of Directive 98/24/EC. If a leak or spill has not ignited, use water spray to disperse the vapors, to protect personnel and prevent ignition.

**AMERICAN INTERNATIONAL INDUSTRIES**

2220 GASPAR AVENUE
LOS ANGELES, CA 90040
CHEM-TEL: (800) 255-3924

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: EzFlow EZ Super Erase **DATE:** 4/6/2005

FORMULA: 30-6112 **REV.** NEW

Spill has not ignited, use water spray to disperse the vapors, to protect personnel attempting to stop leak, and to flush spills away from exposures.

Waste Disposal Methods:

Dispose of in accordance with your local, state, and federal regulations.

Handling:

Keep away from heat, sparks, flames and other sources of ignition. Avoid contact with eyes, skin and clothing. Avoid breathing vapor mist. Use with adequate ventilation. Ground all metal containers when transferring and use explosion-proof equipment. Follow all MSDS/label precautions even after the container is emptied because it may retain product residues. Wash skin thoroughly after handling.

Storage:

Store in a cool, dry area. Keep container closed when not in use. Store at ambient temperatures out of direct sunlight. Store in a well ventilated place. Store in accordance with National Fire Protection Association recommendations. Maintain air space inside storage containers. Inhibitor requires air (oxygen) contact to function. Check inhibitor levels after 3 months and return to original level.

Explosion Hazard:

Avoid ignition sources or excessive temperatures. Heat can induce polymerization with rapid release of energy. Closed containers may rupture explosively. Spontaneous polymerization may occur with prolonged aging.

Section 8. Toxicological Information**Acute Oral Toxicity:**

Oral (Rat) LD50: 13,468mg/kg

Acute Dermal Toxicity:

Dermal (Rabbit) LD50: > 10,000mg/kg

Acute Inhalation Toxicity:

Inhalation (Rat) 4-hour LC 50: 8300ppm

Irritation – Skin:

No Data Available

Irritation - Eye:

No Data Available

Contains a very low concentration of active components, the primary toxicological information is from the monomers. Further hazardous properties cannot be excluded. The product should be handled with care when dealing with chemicals.

Sensitization

No Data Available

Mutagenicity:

The compound does produce genetic damage in mammalian cell cultures, but has not been tested on animals.

Sub-Chronic Toxicity:

No Data Available

Section 9. Ecological Information**Ecotoxicological Information****Acute Toxicity to Fish:**

No Data Available

Acute Toxicity to Invertebrates:

No Data Available

Acute Toxicity to Algae:

No Data Available

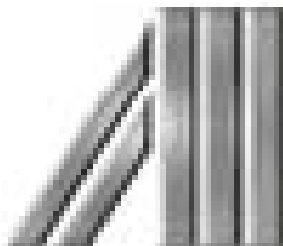
Bioconcentration:

No Data Available

Toxicity to Sewage Bacteria:

No Data Available

Chemical Fate Information:

**AMERICAN INTERNATIONAL INDUSTRIES**

2220 GASPAR AVENUE
LOS ANGELES, CA 90040
CHEM-TEL: (800) 255-3924

MATERIAL SAFETY DATA SHEET**PRODUCT NAME:** EzFlow EZ Super Erase**DATE:** 4/6/2005**FORMULA:** 30-6112**REV.** NEW**Biodegradability:** No Data Available**Chemical Oxygen Demand :** No Data Available

To the best of our knowledge, the ecotoxicological and chemical fate properties have not been thoroughly investigated. Do not allow to enter drinking water supplies, wastewater, or soil.

Section 10. Disposable Concentrations

Dispose of diking materials and absorbent in compliance with State, Local, and Federal regulations. Residual vapors may explode on ignition; do not cut, drill, or weld on or near the container. Mix with compatible chemical which is less flammable and incinerate. Whatever cannot be saved for recovery or recycling should be handled as hazardous waste and sent to a RCRA approved waste facility. Processing, use or contamination of this product may change the waste management options. Dispose of container and unused contents in accordance with federal, state and local requirements. For EU Member States, please refer to any relevant Community provisions relating to waste. In their absence, it is useful to remind the user that national or regional provisions may be in force.

Section 11. Transport Information**Dot (49 CFR 172)**

Proper Shipping Name: Flammable liquids, n.o.s., (ethyl methacrylate, acetone), 3, UN1993, PGII
Identification Number: UN1993
Marine Pollutant: No
Special Provisions: T8, T31

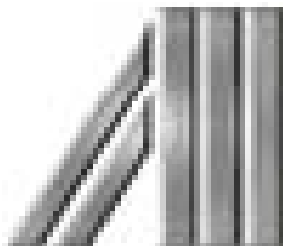
Emergency Response Guidebook (ERG) #: 128**IATA (DGR):**

Proper Shipping Name: Flammable liquids, n.o.s., (ethyl methacrylate, acetone), 3, UN1993, PGII
Class or Division: 3
UN or ID Number: UN1993
Packaging Instructions:

Emergency Response Guidebook (ICAO)#: 3L**IMO (IMDG):**

Proper Shipping Name: Flammable liquids, n.o.s., (ethyl methacrylate, acetone), 3, UN1993, PGII
Class or Division: 3.2
UN or ID Number: UN1993
Special Provisions & Stowage/Segregation: None

Emergency Schedule (EmS)#: 3-07**Other Information:** Flash point - 12°C**Section 12. Regulatory Information**

**AMERICAN INTERNATIONAL INDUSTRIES**

2220 GASPAR AVENUE
LOS ANGELES, CA 90040
CHEM-TEL: (800) 255-3924

MATERIAL SAFETY DATA SHEET**PRODUCT NAME:** EzFlow EZ Super Erase**DATE:** 4/6/2005**FORMULA:** 30-6112**REV.** NEW**US Federal Regulations**

Clean Air Act HAP/ODS:

This product contains the following hazardous air pollutants (HAPs):

NONE

There are no ODS's (ozone depleting substances) as defined by the U.S. Clean Air Act.

Clean Water Act Priority Pollutant/Hazardous Substance:

This product contains the following Priority Pollutants and Hazardous Substances as defined by the CWA: None.

FDA: Food Packaging Status:

This product has not been cleared by the FDA for use in food packaging and/or other applications as an indirect food packaging additive.

Occupational Safety and Health Act:

This product is considered to be hazardous under the OSHA Hazard Communication Standard. It's hazards are: Immediate (acute) health hazard, Fire hazard

RCRA:

This product contains the following chemicals considered to be hazardous waste under RCRA (40 CFR 261). Ethyl Methacrylate CAS #97-63-2 RCRA Code U118, Acetone CAS#67-64-1, RCRA Code: U002, Characteristic of Ignitability: RCRA Code: D001.

SARA Title III: Section 302 (TPQ):

This product contains no chemicals regulated under Section 302 as extremely hazardous substances that carry a TPQ.

SARA Title III: Section 304 (RQ):

This product contains chemicals regulated under Section 304 as extremely hazardous chemicals for emergency release notification ("CERCLA" List): Ethyl Methacrylate CAS #97-63-2, RQ (Lbs) 1000, Acetone CAS#67-64-1, RQ(Lbs.): 5000.

SARA Title III: Section 311-312:

This product is considered to be hazardous under the OSHA Hazard Communication Standard and is regulated under Section 311-312 (40 CFR 370). Its hazards are: Immediate (acute) health hazard, Fire hazard

SARA Title III: Section 313:

This product contains the following chemicals which are subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372: Acetone CAS#67-64-1

TSCA Section 8(b): Inventory:

This product contains chemicals listed on the TSCA inventory or otherwise complies with TSCA premanufacture notification requirements.

TSCA Significant New Use Rule:

None of the chemicals in this material have a SNUR under TSCA.

State Regulations

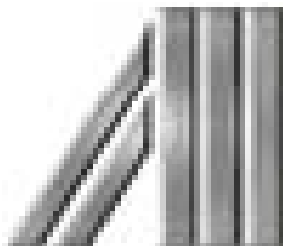
CA Right-to-Know Law:

Acetone CAS #67-64-1

California No Significant Risk Rule:

None

MA Right-to-Know Law:

**AMERICAN INTERNATIONAL INDUSTRIES**

2220 GASPAR AVENUE
LOS ANGELES, CA 90040
CHEM-TEL: (800) 255-3924

MATERIAL SAFETY DATA SHEET

PRODUCT NAME:	EzFlow EZ Super Erase	DATE:	4/6/2005
FORMULA:	30-6112	REV.	NEW

Ethyl Methacrylate CAS# 97-63-2, Acetone CAS #67-64-1

NJ Right-to-Know Law:

Ethyl Methacrylate CAS# 97-63-2, Acetone CAS #67-64-1

PA Right-to-Know Law:

Ethyl Methacrylate CAS# 97-63-2, Acetone CAS #67-64-1

FL Right-to-Know Law:

Ethyl Methacrylate CAS# 97-63-2

MN Right-to-Know Law:

Acetone CAS #67-64-1

International Regulations

CDSL: Canadian Inventory (on Canadian Transitional List):

Ethyl Methacrylate CAS #97-63-2 is on the DSL list. WHMIS=B2, D2B.

Acetone CAS #67-64-1 is on the DSL List. WHMIS = n/da

EINECS: European Inventory:

Hazard Symbols: **Xi, F: Irritant, Highly Flammable**

Risk Phrases: **R11: highly flammable, R36/37/38: Irritating to eyes, respiratory system and skin, R43: May cause sensitization by skin contact, R66: Repeated exposure may cause skin dryness or cracking, R67: Vapors may cause drowsiness & dizziness.**

Safety Phrases: **S9: keep container in a well ventilated place, S16: keep away from sources of ignition - no smoking, S29: do not empty into drains, S33: take precautionary measures against static discharges, S36/37/39: wear suitable protective clothing, gloves and eye/face protection, S45: In case of accident or if you feel unwell, seek medical advise immediately (show the label where possible)**

Section 13. Other Information**Hazard Rating System:**

NFPA: Health = 2/Flammability = 3/Reactivity = 1

HMIS: Health = 2/Flammability = 3/Reactivity = 1