AMERICAN INTERNATIONAL INDUSTRIES

MATERIAL SAFETY DATA SHEET

Section 1. Product and Company Identification

Product Name:	EzFlow Clear Builder Alternative Soak Off Gel	DATE:	12/2/2010
Formula:	30-7211	REV.	00
Item#:	39098		

Manufacturer: American International Industries
2220 Gaspar Ave
Los Angeles, CA 90040

Chem-Tel: (800) 255-3924

Section 2. Composition / Information on Ingredients

Composition:

Component	CAS #	%	Exposure Limits ppm ACGIH-TWA OSHA-PEL
Polyurethane Acrylate Oligomer	Exempt	70 - 80	OSHA TWA/STEL: N/E ACGIH TWA/STEL: N/E
Isobornyl Methacrylate	7534-94-3	8 - 12	OSHA TWA/STEL: N/E ACGIH TWA/STEL: N/E
HEMA	868-77-9	2 - 5	OSHA TWA/STEL: N/E ACGIH TWA/STEL: N/E
Hydroxypropyl Methacrylate	27813-02-1	2 - 5	OSHA TWA/STEL: N/E ACGIH TWA/STEL: N/E
Trimethylolpropane Trimethacrylate	3290-92-4	2 - 5	OSHA TWA/STEL: N/E ACGIH TWA/STEL: N/E
Hydroxycyclohexyl Phenyl Ketone	947-19-3	0 - 1	OSHA TWA/STEL: N/E ACGIH TWA/STEL: N/E
Violet 2 (CI 60725)	81-48-1	0 - 1	OSHA TWA/STEL: N/E ACGIH TWA/STEL: N/E

N/E = None Established

Hazardous Symbols: Xi   Risk Phrases: R22, R36/38, R43   Safety Phrases: S18, S24/25m S36/37, S38

Section 3. Hazardous Identification

Potential Health Effects, Signs and Symptoms of Exposure:

Primary Route of Entry: No specific information is available for this product. Although, this product opposes only slight irritation concern with all routes of entry.

Eye: No specific information available. Contains materials that are essentially nonirritating, but contact may cause slight transient irritation.

Skin:	No specific information available. Contains materials that may cause moderate skin injury (reddening and swelling) and/or sensitization. Prolonged contact may cause blister formulation (burns). Since irritation may not occur immediately, contact can go unnoticed.
Ingestion:	No specific information available. Contains materials that may be practically nontoxic.
Inhalation:	No specific information available. Low volatility makes vapor inhalation unlikely. Aerosol can be irritating.
Sub - Chronic Effects:	No specific information available. Limited tests showed no evidence of teratogenicity in animals. A lifetime skin panting study with mice showed no evidence of carcinogenicity.

Section 4. First Aid Measures

First Aid for Eye:	Flush with plenty of water for 15 minutes and retract eyelids often. Seek medical attention immediately.
First Aid for Skin:	Remove contaminated clothing and wash contact area with soap and water for 15 minutes.
First Aid for Inhalation:	In case of exposure to a high concentration of vapor or mist, remove person to fresh air. If breathing has stopped, administer artificial respiration and seek medical attention.
First Aid for Ingestion:	If appreciable quantities are swallowed, seek medical attention.

Section 5. Fire Fighting Measures

Flash Point (°F/°C):	>212°F / 100°C (Setaflash)
Flammable Limit (vol%):	No Data
Auto-ignition Temp. (vol%)	No Data
Extinguisher Media:	Use carbon dioxide or dry chemical for small fires; aqueous foam or water for large fires.
Fire Fighting Instructions:	Remove all ignition sources. Wear self-contained breathing apparatus and complete personal protective equipment when entering confined areas where potential for exposure to vapors or products of combustion exists.
Unusual Hazards:	High temperatures and fire conditions may cause rapid and uncontrolled polymerization which can result in explosions and the violent rupture of storage vessels or containers. Avoid the use of a stream of water to control fires since frothing can occur.

Section 6. Accidental Release Measures

Spill or Release Procedures:	Spontaneous polymerization can occur. Eliminate ignition sources. Use eye and skin protection. Place leaking containers in a well ventilated area. Dike and recover large spills. Soak up small spills with inert solids (such as vermiculite, clay) and sweep/shovel into deposal container. Wash spill area with strong detergent and water solution; rinse with water, but minimize water use during clean-up. 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. Dispose and report per regulatory requirements if necessary. Please prevent washing from entering waterways.

Section 7. Handling and Storage

Handling:	Avoid contact with skin and eyes. Avoid breathing vapor. Keep container closed when not in use. Avoid prolonged exposure to light. Remove all contaminated clothing, shoes, belts and other leather goods immediately. Incinerate leather goods (including shoes). Wash contaminated clothing thoroughly before reuse. Wash skin thoroughly with soap and water after handling. Solvents should not be used to clean skin because of increased penetration potential.
Storage:	Most acrylic monomers have low viscosities, thus only needing room temperature conditions to facilitate proper pouring techniques. However, viscous type gels such as these may require heating to facilitate proper pouring techniques. To ensure that this happens, product may be heated to 60°C/140°F for not more than 24 hours. Do NOT use localized heat sources such as band heaters to heat/melt product. Do NOT use steam. Hot boxes or hot rooms are recommended for heating/melting material. The hot box and/or room should only be set to a maximum temperature of 60°C/140°F. Do not overheat, this may compromise product effectiveness and should be avoided. Refrain from multiple reheatings of product, this will also diminish the quality of the product. Product is extremely light sensitive. If exposed ot natural light or UV light, material will cure very quickly. Store in a cool, dry place, away from heat and all types of light. Store at temperatures below 100°F/38°C but above the product's freezing point. If no freezing point is given, keep above 32°F/0°C at all times.
Explosion Hazard:	High temperatures and fire conditions may cause rapid and uncontrolled polymerization which can result in explosions and the violent rupture of storage vessels or containers.

Section 8. Exposure Controls / Personal Protective Equipment

Engineering Controls:	Local exhaust recommended to control exposure which may result from operations generating aerosols and hot operations generating vapors.

Personal Protective Equipment

General	To identify additional Personal Protective Equipment (PPE) requirements, it is recommended that a hazard assessment in accordance with the OSHA PPE Standard (26CFR1910.132), or European Standard EN166 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.
Eye/ Face Protection:	Wear chemical splash goggles.

Skin Protection: Wear impervious gloves (Neoprene).

Respiratory Protection: 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 nuisance level organic vapor dust masks can be used, however the use of the respirator is limited. Follow OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149.

Section 9. Physical and Chemical Properties

Appearance @ 25°C:	Clear, vicious liquid	**Viscosity (RVT):**	No data available
Odor @ 25°C:	Characteristic Acrylate Odor	**Vapor Pressure:**	<0.01 (mm hg @ 20°C)
pH	Not applicable	**Vapor Density:**	Not applicable
Specific Gravity:	~1.15	**Evaporation Rate:**	No data available
Ignition:	No data available	**Boiling Range:**	No data available
Total Solids, %	No data available	**% Volatile**	By Volume: <0.5
Boiling Point / Freezing Point	Not applicable		
Solubility in Water	Insoluble		

Section 10. Stability and Reactivity

Stability: Normally Stable

Hazardous Decomposition Products:
Fumes produced when heated to decomposition may include carbon monoxide, carbon dioxide.

Incompatibility (Materials to Avoid):
Polymerization initiators including peroxides, strong oxidizing agents, copper, copper alloys, carbon steel, iron, rust and strong bases.

Hazardous Polymerization:
May occur - Uncontrolled polymerization may cause rapid evolution of heat and increased pressure that could result in violent rupture of sealed storage vessels or containers.

Conditions to Avoid: Storage >100°/38°C, exposure to light, loss of dissolved air, loss of polymerization inhibitor, contamination with incompatible materials.

Section 11. Toxicological Information

Acute Oral Toxicity: No information available.

Acute Dermal Toxicity:
No information available.

Acute Inhalation Toxicity:
No information available.

Irritation - Skin: No information available.

Irritation - Eye: No information available.

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

Sensitization: No data available
Mutagenicity: No data available
Sub-chronic Toxicity: No data available

Section 12. 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
Biodegradability: No data available

Chemical Oxygen Demand:
No data available

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

Section 13. Disposable Considerations

Non-contaminated, properly inhibited product is not a RCRA hazardous waste. It is the generators responsibility to determine what is classified as a hazardous waste. Comply with all federal, state, and local regulations.
Dispose of diking material and absorbent tin 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.

Section 14. Transportation Information

DOT (49CFR 172)

Proper Shipping Name:	Non-Regulated Material
Identification Number:	N/A
Marine Pollutant:	No
Special Provisions:	N/A
Emergency Response Guidebook (ERG)#:	N/A

IATA (DGR):

Proper Shipping Name:	Non-Regulated Material
Class or Division:	N/A
UN or ID Number:	N/A
Packaging Instructions:	
Emergency Response Guidance (ICAO)#:	

IMO (IMDG):

Proper Shipping Name:	Non-Regulated Material
Class or Division:	N/A
UN or ID Number:	N/A
Special Provisions & Stowage/Segregation:	None
Emergency Schedule (EmS)#:	

Section 15. Regulatory Information

Clean Air Act: HAP.ODS	This product contains the following hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act: ▪NONE This product contains no ODS's
Clean Water Act: Priority Pollutant	This product contains no chemicals listed under the U.S. Clean Water Act Priority Pollutant List.
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 additive.

Occupational Safety and Health Act	This product is considered to be a hazardous chemical under the OSHA Hazard Communication Standard. Its hazards are: ▪ Immediate (acute) health hazard ▪Delayed (chronic) health hazard ▪Reactive hazard.
RCRA	This product is not considered to be a hazardous waste under RCRA (40 CFR 261).
SARA Title III: Section 302 (TPQ)	This product contains the following chemicals regulated under Sec. 302 as extremely hazardous substances that carry a TPQ. ▪ NONE
SARA Title III: Section 302 (RQ)	This product contains no chemicals regulated under Section 302 as extremely hazardous chemical for emergency release notification (CERCLA List).
SARA Title II: Section 311-312	This product is considered hazardous under the OSHA Hazard Communication Standard and is regulated under Section 311-312 (40 CFR 370). Its hazards are: ▪Immediate (acute) health hazard ▪Delayed (chronic) health hazard ▪Reactive hazard
SARA Title III: Section 313	This product contains no chemicals 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.
TSCA Section 8(b): Inventory	This product contains chemicals listed on the TSCA inventory or otherwise complies with TSCA premanurfacture notification requirements.
TSCA Significant New Use Rule:	None of the chemicals listed have a SNUR under TSCA.
CA Right-to-Know Law:	None
CA No Significant Risk Rule:	None
MA Right-to-Know Law:	None
NJ Right-to-Know Law:	None
PA Right-to-Know Law:	None
FL Right-to-Know Law:	None
MN Right-to-Know Law:	None

CDSL: Canadian Inventory (on Canadian Transitional

Hydroxycyclohexyl phenyl ketone CAS# 947-19-3 is on the DSL list. WHMIS = n/da
2-Hydroxyethyl methacrylate CAS# 868-77-9 is on the DSL List. WHMIS=no data available

EINECS: European Inventory

- HAZARD SYMBOLS: Xi: Irritant
- RISK PHRASES: R22: Harmful if swallowed, R36/38: Irritating to eyes and skin
  R43: May Cause sensitization by skin contact.
- SAFETY PHRASES: S18: Handle and open container with care, S24/25: avoid contact with skin and eyes, S36/37: Wear suitable protective clothing and gloves, S38: in case of insufficient ventilation, wear suitable reparatory equipment.

Section 16. Other Information

Hazard Rating System NFPA:

Health	2
Flammability	1
Reactivity	1

Hazard Rating System HMIS:

Health	2
Flammability	1
Reactivity	1