Material Safety Data Sheet

1. PRODUCT AND COMPANY IDENTIFICATION

Version Number 4.0, Revision Date: January 13, 2010

Product Name: Al's Liner - Catalyst
Product Type: Aqueous Acrylic Emulsion
Chemical Name: Mixture
Cas-No.: Mixture
Product Use: Industrial Applications

Al's Liner, Automotive Liner System
P.O. Box 756 **Phone:** **(765) 653-1736**
Plainfield, IN 46168 **Fax:** **(765) 653-7175**

IN CASE OF EMERGENCY CALL CHEMTREC AT 1-703-527-3887

2. COMPOSITION/INFORMATION ON REGULATED INGREDIENTS

No.	CAS REG NO.	CONCENTRATION
1. Acrylic Polymer (s)	Not Hazardous	46-48%
2. Residual Monomers	Not Required	<0.05%
3. Water	7732-18-5	52.0-54.0%

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

This mixture has not been evaluated as a whole for health effects. Information on health effects of this product is based on the individual components. However, some vapors or contaminants may be released upon heating and the end-user (fabricator) must take the necessary precautions (mechanical, ventilation, respiratory protection, etc.) to protect employees from exposure. See sections 8 and 11 for special precautions.

Potential Health Effects

Routes of Exposure: Eyes, Inhalation, Skin contact, Ingestion.

Acute Exposure

Inhalation: Excessive inhalation of product vapors, especially during heating or processing may be irritating to respiratory system.
Ingestion: May be harmful if swallowed.
Eyes: Mild eye irritation.
Skin: Prolonged or repeated skin contact can cause de-fatting and drying of the skin which may result in skin irritation and dermatitis (rash).

Chronic Exposure: Refer to Section 11 for Toxicological Information.

Medical Conditions Aggravated by Exposure: None Known

4. FIRST AID MEASURES

Inhalation: Move to fresh air in case of accidental inhalation of vapors or fumes from overheating or combustion. When symptoms persist or in all cases of doubt seek medical advice.

Ingestion: Drink 1 or 2 glasses of water. Induce vomiting immediately and call a physician. Never give anything by mouth to an unconscious person.

Eyes: Immediately flush eye(s) with plenty of water. Seek medical attention if necessary.

Skin: Wash off immediately with soap and plenty of water. If skin irritation persists seek medical attention.

5. FIRE-FIGHTING MEASURES

Flash Point: Greater than 200° F (93° C)

Flammable Limits
- Upper explosion limit: No data available
- Lower explosion limit: No data available

Autoignition temperature: No data available

Suitable Extinguishing Media: carbon dioxide (CO_2), dry chemical, water spray, alcohol-resistant foam.

Special Fire Fighting Procedures: Full-face self-contained breathing apparatus (SCBA) used in positive pressure mode should be worn to prevent inhalation of airborne contaminants.

Unusual Fire/Explosion Hazards: Carbon dioxide (CO_2), carbon monoxide (CO), oxides of nitrogen (NO_x), other hazardous materials, and smoke are all possible.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: Wear appropriate personal protection during cleanup, such as impervious gloves, boots and coveralls. Material can create slippery conditions.

Environmental Precautions: The product should not be allowed to enter drains, water courses or the soil. Should not be released into the environment.

Methods for cleaning up: Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Package all material in appropriate container for disposal. Refer to Section 13 of this MSDS for proper disposal methods.

7. HANDLING AND STORAGE

Handling: Heat only in areas with appropriate exhaust ventilation. Monomer vapors can be evolved when material is heated during processing operations

Storage: Keep containers dry and tightly closed to avoid moisture absorption and contamination. Store in a cool dry place. Keep from freezing; material may coagulate. The minimum recommended storage temperature for this material is 40°F. The maximum recommended storage for this material is 90°F.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Respiratory Protection: None required under normal operating conditions. When mist occurs during spraying operations, wear suitable chemical cartridge (NIOSH approved or equivalent) full-face.

Eye Protection: Use chemical splash goggles (ANSI Z87.1 or equivalent).

Hand Protection: Wear impermeable gloves suited for this material. Neoprene, or as recommended by your PPE provider.

Skin and body protection: Long sleeved shirts and long pants are adequate for normal handling. Where operations present a splash or spill potential, employees should wear chemically resistant clothing, boots, apron, gloves and eye/face protection.

Additional Protective Measures: Safety shoes.

General Hygiene Considerations Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of the work day.

Engineering Measures: Heat only in areas with appropriate exhaust ventilation. Provide adequate exhaust ventilation at machinery.

Exposure limit(s):

There are no known hazardous components above regulatory thresholds in this product.

9. PHYSICAL AND CHEMICAL PROPERTIES

Color:	NO PIGMENT/Milky white	Form:	Liquid
Odor:	Mild/Acrylic odor	pH:	9.5 – 10.5
Viscosity:	60 CPS maximum	Specific Gravity:	1.0 – 1.2 (Water = 1)
Vapor Density:	Heavier than air (Air = 1)	Vapor Pressure:	17mm Hg @ 68°F (Water)
Freezing Point:	32°F (Water)	Boiling Point:	212°F (Water)
Water Solubility:	slightly soluble/dilutable	Percent Volatility:	52-54% (Water)
Evaporation Rate:	<1 (Water) (BAc = 1)/negligible	Appearance:	Viscous

10. STABILITY AND REACTIVITY

Stability: Stable

Hazardous Polymerization:	Will not occur.
Conditions to avoid:	Heating the product above 212° F(100° C) in the presence of air may result in the formation of aldehydes. Product reacts exothermically with isocyanates.
Non-compatible Materials:	Strong acids and strong bases.

11. TOXILOGICAL INFORMATION

There are no known hazardous components above regulatory thresholds in this product.

12. ECOLOGICAL INFORMATION

Persistence and degradability:	No data available
Environmental Toxicity:	No data available
Bioaccumulation Potential:	Does not bioaccumulate
Additional Advice:	No data available

13. DISPOSAL CONSIDERATIONS

Product:	Where possible recycling is preferred to disposal or incineration. The generator of waste material has the responsibility for proper waste classification, transportation and disposal in accordance with applicable federal, state/provincial and local regulations.
Contaminated packaging:	Recycling is preferred when possible. The generator of waste material has the responsibility for proper waste classification, transportation and disposal in accordance with applicable federal, state/provincial and local regulations.

14. TRANSPORT INFORMATION

U.S. DOT Classification:	Refer to specific regulation.
ICAO/IATA (air):	Refer to specific regulation.
IMO / IMDG (maritime):	Refer to specific regulation.

15. REGULATORY INFORMATION

US Regulations:

OSHA Status:	There are no known hazardous components above regulatory thresholds in this product.
TSCA Status:	All components of this product are listed on or exempt from the TSCA Inventory.

US EPA CERCLA Hazardous Substances (40 CFR 302)

Not applicable

California Proposition 65: This product does not contain a substance listed by California Prop 65.

This product is considered non-hazardous under the OSHA Hazard Communication Standard (29CFR 1910.1200).

SARA Title III Section 302 Extremely Hazardous Substance: Not applicable

SARA Title III Section 313 Toxic Chemicals: Not Applicable

Canadian Regulations:

National Pollutant Release Inventory (NPRI):	Not applicable
WHMIS Classification:	Not controlled
DSL:	All components of this product are on the Canadian Domestic Substance List (DSL) or are exempt.

National Inventories:

Australia AICS:	Listed
China IECS:	Listed
Europe EINECS:	Not determined
Japan ENCS:	Not determined
Korea KECI:	Not determined
Philippines PICCS:	Listed

16. OTHER INFORMATION

The information in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material when used in combination with any other materials and/or in any particular process or processing conditions.

-END OF MSDS-