Material Safety Data Sheet

SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

Version Number 1.2A Revision Date: January 5, 2009

Product Name: Al's Liner – Part B
Product Type: Activator for Polyurethane Resin Solution

Al's Liner, Automotive Liner System
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IN CASE OF EMERGENCY CALL CHEMTREC AT 1-703-527-3887

2. COMPOSITION / INFORMATION ON INGREDIENTS

Components	CAS-No.	Weight %
Misc00005- Misc Zinc Cpd's	Not Available – Supplier registration number on file	1 – 5
n-Butyl acetate	123-86-4	60 - 99

3. HAZARD IDENTIFICATION

*****EMERGENCY OVERVIEW*****

Flammable. May be harmful if inhaled. Harmful if swallowed. May cause skin irritation. Flammable liquid and vapor. Vapors may be irritating to eyes and respiratory tract. This mixture has not been evaluated as a whole for health effects. Information provided on health effects of this product is based on the individual components. In addition, heating or processing this material may result in product degradation or byproduct formation creating additional hazards.

POTENTIAL HEALTH EFFECTS

Routes of Exposure: Inhalation, skin contact, ingestion

Acute exposure

Inhalation: Excessive inhalation of product vapors may cause respiratory irritation, central nervous system (CNS) depression, headaches, dizziness, and/or nausea.

Ingestion: May be harmful if swallowed. May cause nausea, abdominal spasms and irritation of the mucous membranes.

Eyes: Liquid, aerosol, or vapors of this product are irritating and may cause tearing, reddening, and swelling accompanied by a stinging sensation and/or a feeling like that of fine dust in the eyes.

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: Individuals with chronic respiratory disorders (i.e. asthma, chronic bronchitis, etc.) may be adversely affected by any airborne contaminant.

SECTION 4 - FIRST AID MEASURES

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

Ingestion: Do not induce vomiting without medical advice. If conscious, drink plenty of water. Seek medical attention if necessary.

Eye: Rinse immediately with plenty of fresh water for at least 15 minutes. If eye irritation persists, seek medical attention.

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

SECTION 5 - FIRE FIGHTING MEASURES

FLASH POINT: 104° F (40° C) (closed cup method)

Flammable Limits

Lower explosive limit: No data available.
Upper explosive limit: No data available.
Autoignition temperature: No data available.
Suitable extinguishing media: dry chemical, carbon dioxide (CO2), foam, water spray.
Special firefighting procedures: Fullface 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 (CO2), carbon monoxide (CO), oxides of nitrogen (NOx), other hazardous materials, and smoke are all possible.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Personal precaution: Wear appropriate personal protection during cleanup, such as impervious gloves, boots, and coveralls.

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

Methods for cleaning up: Contain and collect spillage with non-combustible absorbent material (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).

SECTION 7 - HANDLING AND STORAGE

Handling: Flammable liquid. Keep away from flames, hot surfaces, and sources of ignition. Use of non-sparking or explosion-proof equipment may be necessary. Never use compressed air for transferring product. Ensure all equipment is electrically grounded before beginning transfer operations. Take measures to prevent the build up of static electricity. Use only in an area provided with appropriate exhaust ventilation.

Storage: Store below 120°F (49°C). Keep containers tightly closed in a cool, well-ventilated place. Keep away from open flames, hot surfaces and sources of ignition. Flammable Liquid. Check local fire regulations for sprinkler or explosion proof storage location requirements.

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

Respiratory protection: Airborne contaminant levels should be maintained below the occupational exposure guidelines. When respiratory protection is required, use approved air-purifying or positive pressure supplied-air respirator, depending upon potential airborne contaminant concentrations. Employees using respirators must be properly trained. Employers must follow applicable regulations such as OSHA 29 CFR 1910.134.

Eye/Face protection: Wear goggles or face shield during operations that present a splash potential.

Hand protection: Appropriate protective gloves such as butyl rubber.

Skin and body protection: Choose body protection according to the amount and concentration of the dangerous substance at the work place.

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 workday. Ensure adequate ventilation, especially in confined areas.

Engineering measures: Provide general and/or local exhaust ventilation to control airborne contaminant levels below the exposure guidelines.

Exposure limit(s):

Components	Value	Exposure time	Exposure type	List:
n-Butyl acetate	150 ppm	Time Weighted Average (TWA):	Vapor	ACGIH
	200 ppm	Short Term Exposure Limit (STEL):	Vapor	ACGIH
	150ppm 710 mg/m3	Permissible Exposure Limit (PEL):	Vapor	OSHA Z1

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Form:	liquid	Evaporation rate:	Faster than Butyl Acetate
Appearance:	liquid	Specific gravity:	Not determined
Color:	NO PIGMENT	Bulk density:	Not applicable.
Odor:	solvent	Vapor pressure:	Not determined
Boiling point:	No data available	Vapor density:	Heavier than air
Water solubility	Negligible	pH:	Not determined

SECTION 10 - STABILITY AND REACTIVITY

Stability: Stable.

Hazardous polymerization: Will not occur.

Conditions to avoid: Keep away from oxidizing agents and open flame. Heat, flames and sparks.

Incompatible materials: Incompatible with strong acids and oxidizing agents.

Hazardous decomposition Products: Carbon dioxide (CO2), carbon monoxide (CO), other hazardous materials, and smoke are all possible.

SECTION 11 - TOXICOLOGICAL INFORMATION

This mixture has not been evaluated as a whole for health effects. Exposure effects listed are based on existing health data for the individual components which comprise the mixture.

Toxicity Overview

This product contains the following components which in their pure form have the following characteristics:

CAS-No.	Chemical Name	Effect	Target Organ
123-86-4	n-Butyl acetate	Systemic effects Irritant	Eyes, skin, respiratory system, central nervous system. Eyes, Respiratory System

This product contains the following components which in their pure form have the following toxicity data:

CAS-No.	Chemical Name	Route	Value	Species
123-86-4	n-Butyl acetate	LC50 Oral LD50 Dermal - LD50	6 mg/m3 6 mg/kg >17,600 mg/kg	mouse Mouse rabbit

SECTION 12 - ECOLOGICAL INFORMATION

Persistence and degradability: No data available

Environmental toxicity: Adverse ecological impact is not known or expected under normal use.

Bioaccumulation potential: No data available.

Additional advice: No data available.

SECTION 13 - DISPOSAL CONSIDERATIONS

Product: Dispose of properly. Do not dump into sewers, on the ground, or into any body of water. 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.

SECTION 14 - TRANSPORTATION INFORMATION

U.S. DOT Classification

Proper Shipping Name:	Paint
Technical Name	
Hazard Class / Division:	3
UN Number:	UN1263
Packing Group:	III
Label Required:	3
Hazardous Substance	Not applicable
Reportable quantity:	7,343 LB
ICAO/IATA:	Refer to specific regulation.
IMO/IMDG:	Refer to specific regulation

SECTION 15 - REGULATORY INFORMATION

U.S. Regulations:

OSHA Status: Classified as hazardous based on components.

TSCA Status: All components of this product are listed on or exempt from the TSCA inventory.

US EPA CERCLA Hazardous Substances (40 CFR 302)

Chemical Name	CAS-No.	% in Product	RQ for component	RQ for Mixture/Product
n-Butyl acetate	123-86-4	68.0878	5,000 lbs	7,343 lbs

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

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)

Chemical Name	CAS-No.	Weight %	NPRI ID#
Misc00005-Misc Zinc Cpd's	Not available	1.75%	241

WHMIS Classifications: D2B, B2, D2B

WHMIS Ingredient Disclosure List

CAS-No.
123-86-4

DSL: All components of this product are on the Canadian Domestic Substances List (DSL) or are exempt.

National Inventories:

Australia AICS: Listed

China IECS: Not determined

Europe EINECS: Not determined

Japan ENCS: Not determined

Korea KECI: Listed

Philippines PICCS: Listed

SECTION 16 - OTHER INFORMATION

The information provided 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 given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be 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 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 -