

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Identification

Product name : ALB-1 Aluminum Last Blast Spray Paint
Product code : 0000160055

1.2. Details of the supplier of the safety data sheet

Distributor : Goodson Manufacturing Company
156 Galewski Drive
Winona, MN 55987-0847 - USA
T 507-452-1830

1.3. Emergency telephone number

Emergency number : 800-924-6804 (24 hours)

SECTION 2: Hazard(s) Identification

2.1. Classification of the Substance or Mixture

GHS Classification in Accordance with OSHA (29 CFR 1910.1200)

Flammable Aerosol : 1
Gas Under Pressure : X
Skin Irritation : 2
Eye Irritation : 2A
Reproductive Toxicity : 2
STOT - Single Exposure : 3
STOT - Repeated Exposure : 2

2.2. Label elements

GHS-US labeling
Hazard pictograms (GHS-US) :



Signal word (GHS-US) : Danger

Hazard statements (GHS-US) : Extremely flammable aerosol. Contains gas under pressure; may explode if heated. Causes skin irritation. Causes serious eye irritation. Suspected of damaging fertility or the unborn child. May cause drowsiness or dizziness. May cause damage to organs through prolonged or repeated exposure.

Precautionary statements (GHS-US) : Obtain special instructions before use. Keep away from heat/sparks/open flames/hot surfaces. No smoking. Do not spray on an open flame or other ignition source. Do not pierce or burn, even after use. Wash hands thoroughly after handling. Use only outdoors or in a well-ventilated area. Wear protective gloves/protective clothing/eye protection/face protection. Do not handle until all safety precautions have been read and understood. Wear protective gloves. Do not breathe dust/fumes/gas/mist/vapors/spray.

Response : If inhaled: Remove person to fresh air and keep comfortable for breathing.
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing. Call a poison control center or doctor if you feel unwell. If eye irritation persists, get medical advice/attention.
If on skin: Wash with plenty of water. If skin irritation occurs, get medical advice/attention. Remove contaminated clothing and wash it before reuse.

Storage : Store locked up. Protect from sunlight. Store in a well-ventilated area. Do not expose to temperatures exceeding 50°C/122°F.

Disposal : Dispose of contents/containers in accordance with all local, regional, national, international regulations.

SECTION 3: Composition/information on ingredients

3.1. Chemical Characterization

Mixture

3.2. Mixture

Substance Name : Mixture
Chemical Description : This product is a mixture of the substances listed below with non-hazardous additions.

3.3. Hazardous Components

Component Name	CAS Number	% Weight
Toluene	0000108-88-3	24.11%
Acetone	0000067-64-1	23.56%
Propane	0000074-98-6	17.65%
N-Butane	0000106-97-8	10.36%
Calcium Carbonate	0001317-65-3	4.97%
Aluminum Flake	0007429-90-5	2.82%
Xylene (mix)	0001330-20-7	1.47%
Mineral Spirits	0064742-47-8	1.24%

SECTION 4: First Aid Measures

4.1. Description of Necessary First Aid Measures

After Inhalation : Supply fresh air; consult doctor in case of complaints.
After Skin Contact : Immediately wash with water and soap and rinse thoroughly. Remove contaminated clothing. Wash exposed area with soap and water.
After Eye Contact : Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
After Swallowing : Rinse mouth with water and then drink plenty of water. Do NOT induce vomiting.
Most important Symptoms/Effects : Dizziness.
Indication of Need for Medical Attention : No further relevant information available.

SECTION 5: Fire-Fighting Measures

Suitable Extinguishing Media : Carbon dioxide (CO₂), extinguishing powder or water spray. Fight larger fires with water spray.
Special Hazards : Can form explosive gas-air mixtures.
Protective Equipment for Firefighters : A respiratory protective device may be necessary.

SECTION 6: Accidental Release Measures

6.1. Personal Precautions, Protective Equipment and Emergency Procedures

Precautions : Wear protective equipment. Keep unprotected persons away. Use respiratory protective device against the effects of fumes/dust/aerosol.

6.2. Methods and Material for Containment and Cleaning up

Methods for Cleaning Up : Ensure adequate ventilation. Dispose of contaminated material as waste according to Section 13.

SECTION 7: Handling and Storage

- Precautions for Safe Handling : Use only in well-ventilated areas.
Storage Requirements : Keep away from sources of heat and direct sunlight. Do not warehouse in subfreezing conditions. Store locked up.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational Exposure Limits

Component	CAS Number	Comments
Toluene	0000108-88-3	PEL (USA): Long-term value: 200 ppm; Ceiling Limit Value: 300; 500* ppm *10 minute peak per 8 hour shift REL (USA): Short-term value: 560 mg/m ³ , 150 ppm; Long-term value: 375 mg/m ³ , 100 ppm TLV (USA) : Long-term value: 75 mg/m ³ , 20 ppm BEI
Acetone	0000067-64-1	PEL (USA): Long-term value: 2400 mg/m ³ , 1000 ppm REL (USA): Long-term value: 590 mg/m ³ , 250 ppm TLV (USA): Short-term value: 1187 mg/m ³ , 500 ppm; Long-term value: 594 mg/m ³ , 250 ppm, BEI
Propane	0000074-98-6	PEL (USA): Long-term value: 1800 mg/m ³ , 1000 ppm REL (USA): Long-term value: 1800 mg/m ³ , 1000 ppm TLV (USA): Refer to Appendix F in TLVs and BEIs book
N-Butane	0000106-97-8	REL (USA): Long-term value: 1900 mg/m ³ , 800 ppm TLV (USA): Short-term value: 2370 mg/m ³ , 1000 ppm
Aluminum Flake	0007429-90-5	PEL (USA): Long-term value: 15*; 15** mg/m ³ ; *Total dust; **Respirable fraction REL (USA): Long-term value: 10* 5** mg/m ³ as Al *Total dust **Respirable/pyro powd./welding f. TLV (USA): Long-term value: 1* mg/m ³ as Al; *as respirable fraction
Xylene (mix)	0001330-20-7	PEL (USA): Long-term value: 435 mg/m ³ , 100 ppm REL (USA): Short-term value: 655 gm/m ³ , 150 ppm; Long-term value: 435 mg/m ³ , 100 ppm TLV (USA): Short-term value: 651 mg/m ³ , 150 ppm; Long-term value: 434mg/m ³ , 100 ppm BEI

Biological Exposure Indices (USA)

Component	CAS Number	Comments
Toluene	0000108-88-3	BEI: 0.02 mg/L, Medium: Blood, Time: Prior to last shift of workweek, Parameter: Toluene BEI: 0.03 mg/L, Medium: Urine, Time: End of shift, Parameter: Toluene BEI: 0.30 mg/g Creatinine, Medium: Urine, Time: End of shift, Parameter: o-Cresol with hydrolysis (background)
Acetone	0000067-64-1	BEI: 50 mg/L, Medium: Urine, Time: End of shift, Parameter: Acetone (non-specific)
Xylene (mix)	0001330-20-7	BEI: 1.5 g/g Creatinine, Medium: Urine, Time: End of shift, Parameter: Methylhippuric acids

8.2. Individual Protection Measures, Such as Personal Protective Equipment (PPE)

- Hygienic Protection : Keep away from foodstuffs and animal feed. Wash hands after use. Immediately remove all soiled and contaminated clothing. Wash hands after use. Avoid contact with the eyes and skin. Do not eat, drink or smoke while working.
- Breathing Equipment : A respirator is generally not necessary when using this product outdoors or in large open areas. In cases where short and/or long term overexposure exists, a charcoal filter respirator should be worn. If you suspect overexposure conditions exist, please consult an authority on chemical hygiene.
- Hand Protection : Nitrile gloves. Protective gloves impermeable and resistant to the substance.
- Eye Protection : Tightly sealed goggles.

SECTION 9: Physical and Chemical Properties

Appearance	: Aerosol.
Odor	: Aromatic.
Odor threshold	: Not determined.
pH-value	: Not determined.
Melting point/Melting range	: Undetermined.
Boiling point	: -44 °C (-47 °F)
Flash point	: -19 °C (-2 °F)
Flammability (solid, gas)	: Extremely flammable.
Decomposition temperature	: Not determined.
Auto igniting	: Product is not self-igniting.
Danger of explosion	: In use, may form flammable/explosive vapor-air mixture.
Lower Explosion Limit	: 1.5 Vol %
Upper Explosion Limit	: 10.9 Vol %
Vapor Pressure	: Not determined.
Relative Density	: Between 0.77 and 0.85 (Water equals 1.00)
Vapor Density	: Not determined.
Evaporation rate	: Not applicable.
Partition coefficient: n-octanol/water	: Not determined.
Solubility	: Not determined.
Viscosity	: Not determined.
VOC content	: 554.9 g/l / 4.63 lb/L
VOC content (less exempt solvents)	: 56.5 %
MIR Value	: 1.44
Solids content	: 21.2 %

SECTION 10: Stability and reactivity

Reactivity	: Stable at normal temperatures.
Conditions to Avoid	: Do not allow can to exceed 18.9°C / 120°F. Do not warehouse in sub-freezing temperatures.
Chemical Stability	: Not fully evaluated.
Possibility of Hazardous Reactions	: No dangerous reactions known.
Incompatible Materials	: No further relevant information available.
Hazardous Decomposition Products	: No dangerous decomposition products known.

SECTION 11: Toxicological Information

11.1. LD₅₀/LC₅₀ Values Relevant for Classification

Component	CAS Number	Comments
N-Butane	0000106-97-8	Inhalation : LC ₅₀ / 4h 658 mg/L (rat)
Xylene (mix)	0001330-20-7	Oral: LD ₅₀ 8700 mg/kg (rat) Dermal: LD ₅₀ 2000 mg/kg (rabbit) Inhalation: LC ₅₀ / 4h 6350 mg/L (rat)

11.2. Information on Toxicological Effects

Skin Effects	: Irritant to skin and mucous membranes.
Eye Effects	: Irritating effect.
Sensitization	: No sensitizing effects known.

11.3 Carcinogenic Categories

Component	CAS Number	IARC	NTP
Toluene	0000108-88-3	3	no components listed
Xylene (mix)	0001330-20-7	3	no components listed

IARC : International Agency for Research on Cancer

NTP : National Toxicology Program

SECTION 12: Ecological Information

- Aquatic Toxicity : Hazardous for water, do not empty into drains.
Persistence and Degradability : This product is degradable after prolonged exposure to natural weathering processes.
Bioaccumulative Potential : No relevant information available.
Mobility in Soil : No relevant information available.
Other Adverse Effects : No relevant information available.

SECTION 13: Disposal Considerations

- Disposal of the Product : Dispose of in accordance with local, state and federal regulations. Do not puncture, incinerate or compact. Partially empty cans must be disposed of responsibly. Do not heat or cut empty containers with electric or gas torches.
Recommendation : Completely empty cans should be recycled.

SECTION 14: Transport Information

- UN-Number : UN1950
DOT : Consumer Commodity ORM-D
ADR : 1950 Aerosols
Transport hazard class(es) : Class 2.1
Marine pollutant : No
Special precautions for user : Warning: Gases
EMS Number : F-D,S-U
Stowage Code : SW1 Protected from sources of heat
SW22 for AEROSOLS with a maximum capacity of 1 liter: Category A
For AEROSOLS with a capacity above 1 liter: Category B
For WASTE AEROSOLS : Category C, Clear of living quarters
Segregation Code : SG69 for AEROSOLS with a maximum capacity of 1 liter: Segregation as for class 9. Stow "separated from: class 1 except for division 1.4.
For AEROSOLS with a capacity above 1 liter: Segregation as for the appropriate subdivision of class 2.
For WASTE AEROSOLS: Segregation as for the appropriate subdivision of class 2.
Quantity Limitations : On passenger aircraft/rail: 75 kg
On cargo aircraft only: 150 kg
ADR
Excepted Quantities (EQ) : Code E0 - Not permitted as Excepted Quantity
IMDG
Limited Quantities (LQ) : 1L
Excepted Quantities (EQ) : Code E0 - Not permitted as Excepted Quantity
Packaging Group : --
UN "Model Regulation" : UN1950, AEROSOLS, 2.1

SECTION 15: Regulatory Information

- SARA Section 355 : None of the ingredients in this product are listed.
- SARA Section 313 : Toluene (0000108-88-3)
Aluminum Flake (0007429-90-5)
Xylene (mix) (0001330-20-7)
- CPSC : This product complies with 16 CFR 1309 and does not contain more than 90 ppm of lead.
- California Proposition 65**
- Chemicals Known to Cause Cancer : Ethyl Benzene (0000100-41-4)
- Chemicals known to Cause Developmental Toxicity : Toluene (0000108-88-3)
- Canadian Environmental Protection Act : All hazardous ingredients for this product appear on the Canadian Domestic Substance List
- WHMIS Symbols for Canada : A - Compressed Gas
B6 - Reactive Flammable Material
D2A - Very toxic material causing other toxic effects.



- EPA : Toluene (0000108-88-3) II
Acetone (0000067-64-1) I
Xylene (mix) (0001330-20-7) I

SECTION 16: Other Information

- Revision Date : 04/04/2016
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End of Safety Data Sheet