

Complies with OSHA's Hazard Communication Standard 29 CFR 1910.1200.

GOODSON
Tools and Supplies for Engine Builders
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1. CHEMICAL PRODUCT IDENTIFICATION

Part No. & Description: ALB-1-HT Last Blast Aluminum Hi-Temp 12 oz.
Emergency Phone: 800-688-4005 (24 hours)

2. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Description: This product is a mixture of the substances listed below with nonhazardous additions.

Dangerous components:

108-88-3 Toluene	23.75%
67-64-1 Acetone	21.62%
74-98-6 propane	18.91%
106-97-8 n-butane	11.11%
7727-43-7 barium sulphate, natural	5.47%
64742-89-8 VM&P Naphtha	4.54%
7429-90-5 Aluminum Powder (stabilised)	3.03%
1330-20-7 xylene (mix)	1.23%

3. HAZARDS IDENTIFICATION

Hazard description: Harmful. Extremely flammable.

Physical dangers: Extremely flammable liquid and vapor in a pressurized container. Keep away from heat, sparks, and flame. Has narcotizing effect. Extremely flammable. Irritating to eyes and skin. Harmful: danger of serious damage to health by prolonged exposure through inhalation. Keep out of the reach of children.

Effects of chronic overexposure: May cause permanent brain and nervous system damage. Repeated overexposure can also damage kidneys, lungs, liver, heart, and blood. Intentional misuse by deliberately inhaling the contents may be harmful or fatal.

NFPA ratings (scale 0 - 4): Health = 1

Fire = 4

Reactivity = 3

HMIS ratings (scale 0 - 4): Health = 1

Fire = 4

Physical Hazard = 3

4. FIRST AID MEASURES

After Inhalation: Supply fresh air; consult doctor in case of complaints.

After Skin Contact: Immediately wash with soap and water and rinse thoroughly.

After Eye Contact: Move to fresh air. Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

After swallowing: Contact a physician or poison control center.

5. FIRE FIGHTING MEASURES

Extinguishing Agents: CO₂, sand, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

Protective equipment: No special measures required.

6. ACCIDENTAL RELEASE MEASURES

Personal safety: Wear protective equipment. Keep unprotected persons away.

Environmental safety: Do not allow product to reach sewage systems or ground water.

Clean-up/collection: Ensure adequate ventilation.

7. HANDLING AND STORAGE

Fire/explosion protection: Do not spray on a naked flame or any incandescent material. Do not smoke. Protect from electrostatic discharges.

Storage requirements: Observe pressurized container storage regulations. Consult with your local authorities.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Components with limit values that require monitoring at the workplace:

108-88-3 Toluene

PEL: Short-term value: C 300; 500* ppm

Long-term value: 200 ppm

*10-min peak per 8-hr shift

REL: Short-term value: 560 mg/m³, 150 ppm

Long-term value: 375 mg/m³, 100 ppm

TLV: 75 mg/m³, 20 ppm

67-64-1 Acetone

PEL: 2400 mg/m³, 1000 ppm

REL: 590 mg/m³, 250 ppm

TLV: Short-term value: 1782 mg/m³, 750 ppm

Long-term value: 1188 mg/m³, 500 ppm

BEI

74-98-6 propane

PEL: 1800 mg/m³, 1000 ppm

REL: 1800 mg/m³, 1000 ppm

TLV: Varies mg/m³, 1000 ppm

106-97-8 n-butane

REL: 1900 mg/m³, 800 ppm

TLV: Varies mg/m³, 1000 ppm

7727-43-7 barium sulphate, natural

PEL: 15* 5** mg/m³

*total dust **respirable fraction

REL: 10* 5** mg/m³

*total dust **respirable fraction

TLV: 10 mg/m³

E

7429-90-5 Aluminum powder (stabilised)

PEL: 15* 5** mg/m³

Metal dust *total dust **respirable fraction

REL: 10* 5** mg/m³

Metal dust *total dust **respirable fraction

TLV: 1* mg/m³

*as respirable fraction

1330-20-7 xylene (mix)

PEL: 435 mg/m³, 100 ppm

REL: Short-term value: 655 mg/m³, 150 ppm

Long-term value: 435 mg/m³, 100 ppm

TLV: Short-term value: 651 mg/m³, 150 ppm

Long-term value: 434 mg/m³, 100 ppm

BEI

Hygienic Protection: Keep away from foodstuffs and animal feed. Wash hands after use.

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: Protective gloves. The glove material has to be impermeable and resistant to the substance. No glove material recommendation can be given.

Protective gloves. The glove material has to be impermeable and resistant to the substance. No glove recommendation can be given.

Eye protection: Tightly sealed goggles.

9. PHYSICAL AND CHEMICAL PROPERTIES

General Information:

Odor: Aromatic

Boiling point: -44°C

Flash Point: -19°C

Auto Igniting: Product is not self-igniting.

Danger of explosion: Stable at normal temperatures. Can may burst when exposed to temperatures exceeding 120°F. In use, may form flammable/explosive vapor-air mixture.

Lower Explosion Limit: 1.5 vol%

Upper Explosion Limit: 10.9 Vol%

Vapor Pressure: 40 PSI, 2750 hPa

Density @ 20°C: 0.7712 g/cm³

Specific Gravity: Between 0.77 and 0.85 (water = 1.00)

VOC content: 599.9 g/l / 5.01 lb/gal

VOC content(less exempt solvents): 61.4%

MIR Value: 1.48

Solids content: 16.9%

10. STABILITY AND REACTIVITY

Conditions to Avoid: Do not allow the can to exceed 120°F. Stable at normal temperatures.

Hazardous Reactions: No dangerous reactions known.

11. TOXICOLOGICAL PROPERTIES

Skin Effects: Irritant to skin and mucous membranes.

Eye Effects: Irritating effect.

Sensitization: No sensitizing effects known.

12. ECOLOGICAL INFORMATION

Other Information: This product does not contain any chlorofluorocarbons (CFC's), chlorinated solvents.

Acquatic toxicity: Hazardous for water, do not empty into drains.

13. DISPOSAL CONSIDERATIONS

Disposal Method: 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.

14. TRANSPORT INFORMATION

Hazard Class: 2.1

Identification Number: N/A

Label: 2.1

Marine Pollutant: No

IMDG Class: 2.1

Proper Shipping Name: Aerosols, Flammable

Consumer Commodity ORM-D

Packaging Group: II

EMS Number: F-D, S-U

ADR/RID Class: 2 5F Gases

UN-Number: 1950

ICAO/IATA Class: 2.1

15. REGULATIONS

SARA Section 355 (extremely hazardous substances): None of the ingredients in this product are listed.

SARA Section 313 (specific toxic chemical listings):

108-88-3 Toluene

7429-90-5 Aluminum powder (stabilised)

1330-20-7 xylene (mix)

TSCA: All ingredients are listed.

CPSC: This product complies with 16 CFR 1303 and does not contain more than 90 ppm of lead.

California Proposition 65 Chemicals known to cause cancer:

100-41-4 ethyl benzene

California Proposition 65 Chemicals known to cause developmental toxicity: 108-88-3 Toluene

CANADIAN ENVIRONMENTAL PROTECTION ACT: All hazardous ingredients for this product appear on the Canadian Domestic Substance List.

EPA:

A = Known human carcinogen

B = Probable human carcinogen

C = Possible human carcinogen

D = Not classifiable as to human carcinogenicity: Inadequate human and animal evidence of carcinogenicity (or no data is available).

I: 'Data are inadequate for an assessment of human carcinogeni potential.'

II: 'Inadequate information to assess carcinogenic potential.'

108-88-3 Toluene II

67-64-1 Acetone I

1330-20-7 xylene (mix) I

IARC: Group 2A: The ingredient is probably carcinogenic to humans.

Group 2B: The ingredient is possibly carcinogenic to humans. There is limited evidence of carcinogenicity.

Group 3: The ingredient is unclassifiable as to its carcinogenicity to humans.

108-88-3 Toluene 3

1330-20-7 xylene (mix) 3

ACGIH: A1-designates a confirmed human carcinogen.

A2-designates a suspected human carcinogen.

A3-designates an animal carcinogen.

A4-designates "not classifiable as a human carcinogen".

108-88-3 Toluene A4

67-64-1 Acetone A4

7429-90-5 Aluminum powder (stabilised) A4

1330-20-7 xylene (mix) A4

NIOSH: The following substances are regulated in the United States with reference to occupational exposure limits:

Risk Phrases: Extremely flammable.

Irritating to eyes and skin.

Harmful: danger of serious damage to health by prolonged exposure through inhalation.

Safety phrases: Keep out of the reach of children.

Do not breath gas/fumes/vapor/spray.

Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point.

Wear suitable protective clothing and gloves.

If swallowed, seek medical advice immediately and show this container or label.

Use only in well-ventilated areas.

16. OTHER INFORMATION

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Abbreviations and acronyms:

IMDG: International Maritime Code for Dangerous Goods.

DOT: US Department of Transportation.

ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO).

PP: Severe Marine Pollutant.

P: Marine Pollutant.

CAS: Chemical Abstracts Service (division of the American Chemical Society).

NFPA: National Fire Protection Association (USA).

HMIS: Hazardous Materials Identification System (USA).

VOC: Volatile Organic Compounds (USA, EU).

ISO: International Organization for Standardization.

EPA: Environmental Protection Agency.

IARC: International Agency for the Research of Cancer.

NIOSH: National Institute for Occupational Safety and Health

TSCA: Toxic Substances Control Act.

CPSC: Consumer Product Safety Commission.