

Section 1 Identification

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**Aldon
Corporation**

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**CHEMTREC 24 Hour Emergency
Phone Number (800) 424-9300**
For laboratory and industrial use only.
Not for drug, food or household use.

Product FUEL TABLET

Synonyms Solid fuel cube

Section 2 Hazards identification

Signal word: WARNING

Pictograms: GHS02 / GHS07

Target organs: None Known



GHS Classification:

Flammable solid (Category 2)

Skin sensitisation (Category 1)

GHS Label information: Hazard statement:

H228: Flammable solid.

H317: May cause an allergic skin reaction.

P210: Keep away from heat/sparks/open flames/hot surfaces. No smoking

P240: Ground/bond container and receiving equipment.

P241: Use explosion-proof electrical/ventilating/lighting equipment.

P261: Avoid breathing dust/fumes

P272: Contaminated work clothing should not be allowed out of the workplace

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P302+P352: IF ON SKIN: Wash with plenty of water and soap.

P333+P313: If skin irritation or rash occurs: Get medical attention.

P362+P364: Take off contaminated clothing and wash it before reuse.

P370+P378: In case of fire: Use alcohol-resistant foam, carbon dioxide or water spray to extinguish.

P501: Dispose of contents/container to a licensed chemical disposal agency in accordance with local/regional/national regulations.

Hazards not otherwise classified:

Health hazards not otherwise classified (HHNOC) - Not Known

Physical hazards not otherwise classified (PHNOC) - Not Known

Section 3 Composition / information on ingredients

Chemical Name	CAS #	%	EINECS
Hexamethylenetetramine	100-97-0	Mixture	202-905-0
Wax	8002-74-2	Mixture	232-315-6

Section 4 First aid measures

INGESTION: MAY BE HARMFUL IF SWALLOWED. Call physician or Poison Control Center immediately. Induce vomiting only if advised by appropriate medical personnel. Never give anything by mouth to an unconscious person.

INHALATION: MAY BE HARMFUL IF INHALED. MAY CAUSE RESPIRATORY TRACT IRRITATION. Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

EYE CONTACT: MAY CAUSE EYE IRRITATION. Check for and remove contact lenses. Flush thoroughly with water for at least 15 minutes, lifting upper and lower eyelids occasionally. Get immediate medical attention.

SKIN ABSORPTION: MAY BE HARMFUL IF ABSORBED THROUGH SKIN. MAY CAUSE SKIN IRRITATION. Remove contaminated clothing. Flush thoroughly with mild soap and water. If irritation occurs, get medical attention.

Section 5 Fire fighting measures

Suitable Extinguishing Media: Alcohol-resistant foam, Carbon dioxide, water

Protective Actions for Fire-fighters: In fire conditions, wear a NIOSH/MSHA-approved self-contained breathing apparatus and full protective gear.

Specific Hazards: During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion. Containers may explode when heated.

Section 6 Accidental release measures

Personal Precautions: Evacuate personnel to safe area. Use proper personal protective equipment as indicated in Section 8. Provide adequate ventilation. Avoid eye and skin contact

Environmental Precautions: Avoid runoff into storm sewers and ditches which lead to waterways.

Containment and Cleanup: Recover for reuse if not contaminated. Remove all sources of ignition. Use non-sparking tools. Sweep or vacuum up and place in a suitable container for proper disposal. Wash spill area with soap and water.

Precautions for Safe Handling: Read label on container before using. Do not wear contact lenses when working with chemicals. Keep out of reach of children. Avoid contact with eyes, skin and clothing. Do not inhale dusts. Use with adequate ventilation. Avoid ingestion. Wash thoroughly after handling. Remove and wash clothing before reuse.

Conditions for Safe Storage: Store in a cool, dry, well-ventilated area away from incompatible substances. Keep away from ignition sources. Avoid exposure to water and moisture. Storage class 4.1B

Section 8 Exposure controls / personal protection

Exposure Limits:	Chemical Name	ACGIH (TLV)	OSHA (PEL)	NIOSH (REL)
	Hexamethylenetetramine	None established	None established	None established

Engineering controls: Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower and fire extinguishing material. Personnel should wear safety glasses, goggles, or faceshield, lab coat or apron, appropriate protective gloves (EN374). Use adequate ventilation to keep airborne concentrations low.

Respiratory protection: None should be needed in normal laboratory handling at room temperatures. If dusty conditions prevail, work in fume hood or wear a NIOSH/MSHA-approved respirator.

Section 9 Physical and chemical properties

Appearance: Solid white tablet Odor: Ammonia Odor threshold: Data not available. pH: Data not available. Melting / Freezing point: 280°C (536°F) sublimes Boiling point: Decomposes Flash point: Data not available	Evaporation rate (= 1): Not applicable Flammability (solid/gas): Flammable solid Explosion limits: Data not available Vapor pressure (mm Hg): Data not available Vapor density (Air = 1): 4.84 Relative density (Specific gravity): 1.33 Solubility(ies): 85.3 g/100mL	Partition coefficient: Data not available Auto-ignition temperature: 390°C (734°F) Decomposition temperature: Data not available. Viscosity: Data not available. Molecular formula: Mixture Molecular weight: Mixture
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Section 10 Stability and reactivity

Chemical stability: Stable

Hazardous polymerization: Will not occur.

Conditions to avoid: Excessive temperatures, humidity. Contact with strong acids, oxidizing agents, peroxides, hydrogen halides leads to a strong exothermic reaction.

Incompatible materials: Aluminum, tin, zinc

Hazardous decomposition products: Formaldehyde, ammonia, carbon oxides, nitrogen oxides, hydrocyanic acid (hydrogen cyanide)

Section 11 Toxicological information

Acute toxicity: LD50 rat oral >20000 mg/ kg, LD50 rat dermal >2000mg/kg no mortality

Skin corrosion/irritation: Data not available

Serious eye damage/irritation: Data not available

Respiratory or skin sensitization: Yes inhalation and skin contact

Germ cell mutagenicity: Data not available

Carcinogenicity: No

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Ca Prop 65: This product does not contain any chemicals known to the State of California to cause cancer or reproductive toxicity.

Reproductive toxicity: Data not available

STOT-single exposure: Data not available

STOT-repeated exposure: Data not available

Aspiration hazard: Data not available

Potential health effects:

Inhalation: Maybe harmful if inhaled, may cause irritation of the nose and throat, cough and difficulty breathing.

Ingestion: May be harmful if ingested, may cause nausea, vomiting, gastrointestinal complaints and kidney damage.

Skin: Contact with skin may cause irritation.

Eyes: Contact with eyes may cause irritation

Signs and symptoms of exposure: To the best of our knowledge the chemical, physical and toxicological properties have not been thoroughly investigated. Specific data is not available. Exercise appropriate procedures to minimize potential hazards.

Additional information: RTECS #: MN4725000 [Hexamethylenetetramine]

Section 12 Ecological information

Toxicity to fish: Lepomis macrochirus LC50 = 41g/l/96 hours

Toxicity to daphnia and other aquatic invertebrates: Daphnia Magna LC50 = 36g/l/48 hours

Toxicity to algae: Pseudokirchnerella subcapitata LC50 = 92.5g/l/14 days

Persistence and degradability: Abiotic degradation. On contact with water hydrolysis. Not readily biodegradable **Bioaccumulative potential:** No data available

Mobility in soil: No data available **PBT and vPvB assessment:** No data available

Other adverse effects: An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

Section 13 Disposal considerations

These disposal guidelines are intended for the disposal of catalog-size quantities only. Federal regulations may apply to empty container. State and/or local regulations may be different. Dispose of in accordance with all local, state and federal regulations or contract with a licensed chemical disposal agency.

Section 14 Transport information

UN/NA number: UN1328

Shipping name: Hexamethylenetetramine

Hazard class: 4.1

Packing group: III

Reportable Quantity: No

Marine pollutant: No

Exceptions: Limited quantity equal to or less than 5 Kg (11 lb)

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Section 15 Regulatory information

A chemical is considered to be listed if the CAS number for the anhydrous form is on the Inventory list.

Component	TSCA	CERLCA (RQ)	RCRA code	DSL	NDSL	CA Prop 65
Hexamethylenetetramine	Listed	Not listed	Not Listed	Listed	Not listed	This product does not contain any chemicals known to the State of California to cause cancer or reproductive toxicity.

Section 16 Other information

The information contained herein is furnished without warranty of any kind. Employers should use this information only as a supplement to other information gathered by them and must make independent determinations of suitability and completeness of information from all sources to assure proper use of these materials and the safety and health of employees. NTP: National Toxicology Program, IARC: International Agency for Research on Cancer, OSHA: Occupational Safety and Health Administration, STOT: Specific Target Organ Toxicity, SE: Single Exposure, RE: Repeated Exposure, ERG: Emergency Response Guidebook.