



Product Safety Data

15625 <sup>eam</sup>  
Alcan  
Alumina Hydrate  
H-10

15625

REPRESENTED BY

I PRODUCT IDENTIFICATION

MANUFACTURER'S NAME	Alcan Smelters and Chemicals Ltd	REGULAR TELEPHONE	418/548-1121, local 3333
		EMERGENCY TELEPHONE	418/548-4125
ADDRESS	P.O. Box 6090, Montreal, Canada H3C 3H2		
TRADE NAME	Alcan Alumina hydrate H-10		
SYNONYMS	Aluminum hydroxide, alumina, Al <sub>2</sub> O <sub>3</sub> · 3H <sub>2</sub> O		

II HAZARDOUS INGREDIENTS

MATERIAL OR COMPONENT	%	HAZARD DATA
Al <sub>2</sub> O <sub>3</sub> · 3H <sub>2</sub> O	99.6	Inert, no hazard
Na <sub>2</sub> O	0.3	No hazard at this level
Fe <sub>2</sub> O <sub>3</sub>	0.02	No hazard at this level
SiO <sub>2</sub>	0.02	No hazard at this level

III PHYSICAL DATA

BOILING POINT 760 MM HG	N/A	MELTING POINT	2050°C
SPECIFIC GRAVITY (H <sub>2</sub> O = 1)	2.4	VAPOUR PRESSURE	N/A
VAPOUR DENSITY (AIR = 1)	N/A	SOLUBILITY IN H <sub>2</sub> O	Insoluble
% VOLATILES BY VOL.	N/A	EVAPORATION RATE	N/A
APPEARANCE AND ODOUR	Cream-coloured, free flowing powder. No odour.		

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IV FIRE AND EXPLOSION DATA

FLASH POINT (TEST METHOD)	N/A	AUTOIGNITION TEMPERATURE	N/A
FLAMMABLE LIMITS IN AIR % BY VOL.	LOWER	UPPER	
EXTINGUISHING MEDIA	Not a fire hazard		
SPECIAL FIRE FIGHTING PROCEDURES	N/A		
UNUSUAL FIRE AND EXPLOSION HAZARD			

V HEALTH HAZARD INFORMATION

HEALTH HAZARD DATA      An inert, non-toxic nuisance dust

ROUTES OF EXPOSURE

INHALATION	TLV is 10 mg/m <sup>3</sup> in air as a nuisance dust
SKIN CONTACT	No effect
SKIN ABSORPTION	N/A
EYE CONTACT	Inert irritant
INGESTION	Non-toxic

EFFECTS OF OVEREXPOSURE

ACUTE OVEREXPOSURE	Respiratory irritation
CHRONIC OVEREXPOSURE	No proven effect

EMERGENCY AND FIRST AID PROCEDURES

EYES	Irrigate freely
SKIN	N/A
INHALATION	Remove from exposure
INGESTION	No measurable effect on health

NOTES TO PHYSICIAN

VI REACTIVITY DATA	
CONDITIONS CONTRIBUTING TO INSTABILITY	None
INCOMPATIBILITY	Vigorous exothermic reaction with strong acids Dissolves in caustic solution (NaOH)
HAZARDOUS DECOMPOSITION PRODUCTS	None
CONDITIONS CONTRIBUTING TO HAZARDOUS POLYMERIZATION	None
VII SPILL OR LEAK PROCEDURES	
STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED	Wear eye protection if dust is raised in clean-up Keep away from strong acids and bases.
NEUTRALIZING CHEMICALS	N/A
WASTE DISPOSAL METHOD	No special procedures
VIII SPECIAL PROTECTION INFORMATION	
VENTILATION REQUIREMENTS	Supply sufficient ventilation to keep dust exposure below the TLV of 10 mg/m <sup>3</sup> for nuisance dust
SPECIFIC PERSONAL PROTECTIVE EQUIPMENT	
RESPIRATORY (SPECIFY IN DETAIL)	Use NIOSH-approved dust respirator
EYE	Goggles
GLOVES	Not required
OTHER CLOTHING AND EQUIPMENT	None

**IX SPECIAL PRECAUTIONS**

**PRECAUTIONARY STATEMENTS**

None

**OTHER HANDLING AND STORAGE REQUIREMENTS**

Store away from strong acids and bases.

PREPARED BY W. L. MacEachen  
Chief Industrial Hygienist

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DATE 3 September 1980