



Product Safety Data

Alcan Alumina Hydrate H-10

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	Hydrated alumina, aluminum hydroxide, alumina, $Al_2O_3 \cdot 3H_2O$		

II HAZARDOUS INGREDIENTS

MATERIAL OR COMPONENT	%	HAZARD DATA
$Al_2O_3 \cdot 3H_2O$	99.6	Inert, no hazard
Na_2O	0.3	No hazard at this level
Fe_2O_3	0.02	No hazard at this level
SiO_2	0.02	No hazard at this level

III PHYSICAL DATA

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

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 ³ 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/m³ 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