



MSDS NO: 4570-02

25 June 1998

PRODUCT IDENTIFICATION

PRODUCT NAME: EXPANDED ALUMINUM HONEYCOMB CORE
 SYNONYMS: DURA-CORE™ Honeycomb
 CHEMICAL FAMILY: Honeycomb Core
 MOLECULAR FORMULA: Mixture
 MOLECULAR WGT. Mixture
 WARNING NO WARNING STATEMENT

OSHA REGULATED COMPONENTS

COMPONENT	CAS. NO.	%	TWA/CEILING	REFERENCE
Aluminum	007429-90-5	92-97	15 mg/M3 total	OSHA
			5 mg/M3 respirable	OSHA
			10 mg/M3	ACGIH

NFPA HAZARD RATING

Fire Materials that will not burn.
 Health 1 Materials which on exposure would cause irritation but only residual injury even if no treatment is given.
 Reactivity Special Material which in themselves are normally stable, even under fire exposure. Conditions, and which are not reactive with Water.

HEALTH HAZARD INFORMATION

EFFECTS OF OVEREXPOSURE: Inhalation of aluminum powder may cause lung effects; however, this material is not likely to be released from the product, unless machined.
 FIRST AID: No specific first aid procedures are necessary for accidental exposure to this product.



EXPOSURE CONTROL METHODS

Engineering controls are not usually necessary if good hygiene practices are strictly followed. Before eating, drinking, or smoking, wash face and hands thoroughly with soap and water. Wear the following as necessary to prevent skin contact: impervious gloves. For operations where eye or face contact can occur wear chemical splash-proof goggles. Where concentrations below the PEL, no respiratory protection is required. For spills or leaks, such protection may be necessary. Where exposures exceed PEL use respirator approved by NIOSH for the material and level of exposure. See "GUIDE TO INDUSTRIAL RESPIRATORY PROTECTION" (NIOSH)

FIRE AND EXPLOSION HAZARD INFORMATION

FLASH POINT:	Not Applicable
FLAMMABLE LIMITS (% BY VOL):	Not Applicable
AUTOIGNITION TEMP:	Not Applicable
DECOMPOSITION TEMP:	Not Applicable
FIRE FIGHTING:	Aluminum dust is readily ignitable and explosive when suspended in air. In case of fire: Use extreme care to prevent dust cloud formation. Use gentle surface application of Class D extinguishing agent or dry inert granular material (e.g., sand) to cover and ring the burning powder. Do not use fire extinguishers rated for Class A, B, or C fires. Do not use water or halogenated fire extinguishing agents. Do not disturb the burning powder or cause mixing of the agent with the burning powder. Do not disturb the burning powder until completely cool. Firefighters should wear NIOSH approved self contained breathing apparatus and protective clothing when appropriate.

REACTIVITY DATA

STABILITY	Stable
CONDITIONS TO AVOID:	Aluminum dust may generate hydrogen and heat when exposed to water. Water/aluminum powder mixtures may be especially hazardous when confined and may react violently with strong oxidizers and many halogenated hydrocarbons.
POLYMERIZATION:	Will not occur
CONDITIONS TO AVOID:	None known
INCOMPATIBLE MATERIALS:	Strong oxidizing agents. Water and Halogenated hydrocarbons may react with Aluminum dust.
HAZARDOUS DECOMPOSITION PRODUCTS:	Thermal decomposition or combustion may produce carbon monoxide and/or carbon dioxide.



PHYSICAL PROPERTIES

Appearance and Odor:	Metallic honeycomb shaped structure
Boiling Point:	3732-8 F (2056 C)
Melting Point	1220 F (660 C)
Vapor Pressure:	Negligible
Specific Gravity:	2.7
Vapor Density:	Not Applicable
% Volatile (By Vol.):	Negligible
Octhanol/H2O	Not Applicable
Partition COEF:	
pH:	Not Applicable
Saturation in Air (By Vol.):	Not Applicable
Evaporation Rates:	Not Applicable
Solubility in Water:	Insoluble. Aluminum dust generated by machine processes may react with water.

SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: For aluminum dust and machining fires: Avoid all ignition sources around spill area. Prohibit smoking. Do not use water for spill clean-up. Avoid dusting of powder to the greatest extent possible. Sweep spilled powder with natural bristle broom (push type recommended). Pick up material with a non-sparking shovel. Place carefully in dry, water-tight containers. Seal containers. After complete clean-up by sweeping, area may be washed down with copious quantities of water, if necessary.

WASTE DISPOSAL

Disposal must be made in accordance with applicable governmental regulations.

SPECIAL PRECAUTIONS

Handling & Storage/other:	None
--------------------------------------	------

D.O.T. SHIPPING INFORMATION

Proper Shipping Name:	Not Applicable/Not Regulated
Hazard Class:	Not Applicable
UN/NA:	Not Applicable
D.O.T. Hazardous Substances:	(Reportable quantity of Product) Not Applicable
D.O.T. Label Required:	Not Applicable

TSCA INFORMATION

This product is manufactured in compliance with all provisions of the Toxic Substances Control Act, 15 U.S.C.



ENVIRONMENTAL INFORMATION

The following components are defined as toxic chemicals subject to reporting requirements of Section 313 of Title III and of 40 CFR 372 or subject to other EPA regulations.

SARA TITLE III							
Component	Cas No.	%	TPQ (lbs)	RQ (lbs)	S313	RCRA	TSCA 12B
Aluminum	007429-90-5	92-97	NONE	NONE	YES	NONE	NO
Strontium Chromate	007789-06-2	0.0600	NONE	10	YES	NONE	NO

PRODUCT CLASSIFICATION UNDER SECTION 311 OF SARA

Not applicable Under SARA TITLE III

EMERGENCY PHONE: 410-676-7100

This information is given without any warranty or representation. We do not assume legal responsibility for same, nor do we give permission, inducement, or recommendation to practice any patented invention without license. It is offered solely for your consideration, investigation and verification. Before using any product read its label.

Alcore gives no warranties, expressed, implied or statutory, or otherwise, as to the description, quality, fitness, capacity, or any other matter, of the properties described. The data given represents typical values to be expected. Through additional testing of each lot it is possible to verify that the product exceeds the tabulated values. It is recommended, however, that prospective users evaluate the materials to determine their suitability for the users' specific requirements. Values are given on the condition that the user assumes all risk and that responsibility for any loss or damage caused by or resulting from the use of such information is disclaimed by Alcore.

Alcore
Lakeside Business Park
1502 Quarry Drive
Edgewood, MD 21040 USA
Tel: +1 (410) 676-7100
Fax: +1 (410) 676-7200
Email: sales@alcore.com
www.alcore.com
www.mcgillcorp.com

Alcore Brigantine
Route de l'Aviation
64600 Anglet France
Tel: +33 (0)5 59 41 25 25
Fax: +33 (0)5 59 41 25 00
Email: sales@alcorebrigantine.fr
www.mcgillcorp.com/alcore_brigantine

© Alcore - a subsidiary of the MC Gill Corporation. All rights reserved.

