# Material Safety Data Sheet

MSDS Number: ALP02 Product Name: Alpolic FR Revision: [01]01/10/2007

# Section 1 - Chemical Product and Company Identification

Product Name: Alpolic FR Chemical Formula NA

**CAS Number:** NA (mixture) **General Use:** Composite Building Material

Other Designations NA

Company Name: Same as Manufacturer Street Address: 401 Volvo Parkway **Street Address:** Same as Manufacturer Same as Manufacturer Town: Chesapeake Town: Same as Manufacturer State: VA State: Zip Code: 23320 Zip Code: Same as Manufacturer

**Emergency Contacts:** Chemtrec 1-800-424-9300 **Other Contacts:** 757-382-5750

Health	1
Fire	0
Reactivity	0
PPE	(See Sec. 8)

**Issue Date:** 11/7/2003

# <<>>> EMERGENCY OVERVIEW <<<>>>

Metal machining or grinding operations may produce fine particulate or dust. Heating, melting, welding, or brazing, may produce metal fumes and particulates. Inhalation of excessive fume or dust concentrations may result in respiratory tract irritation and/or metal fume fever.

Section 2 - Composition and Information on Ingredients

Ingredient	Aluminum	CAS No. Proprietary		% in Mixture 20
	OSHA	ACGIH	NIOSH	UNIT OF MEASURE
TWA	NE	10 mg/m3	10 mg/m3	mg/cu.meter
STEL	NE	NE	NE	mg/cu.meter
IDLH	NA	NA	NE	mg/cu.meter

Ingredient	Cor	e Materials	CAS No.	CAS No. Proprietary		0-80
		OSHA	ACGIH	NIOSH	UNIT OF MEASURE	C
TWA		NE	NE	NE	mg/cu.meter	
STEL		NE	NE	NE	mg/cu.meter	
IDLH		NA	NA	NE	mg/cu.meter	

<b>Ingredient</b>	Fluoropolymer Coating	uoropolymer Coating <u>CAS No.</u>		<u>% in Mixture</u> <1
	OSHA	ACGIH	NIOSH	UNIT OF MEASURE
TWA	NE	NE	NE	mg/cu.meter
STEL	NE	NE	NE	mg/cu.meter
IDLH	NA	NA	NE	mg/cu.meter

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<u>Ingredient</u> Polyethylene		CAS No.	% in Mixture 2	0-40	
	OSHA	ACGIH	NIOSH	UNIT OF MEASURE	E
TWA	15* and 5**	10*	NE	mg/cu.meter	
STEL	NE	NE	NE	mg/cu.meter	
IDLH	NA	NA	NE	mg/cu.meter	

NA

# Section 3 - Hazards Identification

### **Primary Entry Routes:**

Inhalation

### **Target Organs:**

NA

#### **Inhalation Effects:**

Slight irritation of respiratory tract.

#### **Eye Effects:**

Dust may cause irritation by mechanical abrasion.

### **Skin Effects:**

Slight irritation possible to sensitive individuals.

### **Ingestion Effects:**

NA

### Carcinogenicity:

NA

#### **Medical Conditions Aggravated by Long-term Exposure:**

Accumulation of dust in the respiratory system may cause moderate congestion.

### **Chronic Effects and/or Recommendations:**

If use generates airborne particles, treat as a NUISANCE PARTICULATE (ACGIH TLV = 10 mg/cu. meter).

# **Section 4 - First Aid Measures**

#### Inhalation:

Protect yourself with appropriate PPE, remove the person to fresh air. Decontaminate and begin rescue breathing if breathing has stopped and CPR if heart action has stopped. Seek prompt medical attention.

#### Eve

DO NOT allow victim to rub or keep eyes tightly shut. Gently lift eyelids and immediately flush eyes with large amounts of water. Remove any contact lenses. Continue to flush for at least 30 minutes, occasionally lifting the upper and lower lids. Seek prompt medical attention.

#### Skin:

Quickly remove contaminated clothing. Immediately wash area with large amounts of water. Seek prompt medical attention for any reddened skin other than from washing.

### **Ingestion:**

Never give anything by mouth to an unconscious or convulsing person. Contact a Poison Control Center (PCC). Unless the PCC advises otherwise, have the conscious and alert person drink 1 to 2 glasses of water to dilute. Induce vomiting only after recent ingestions due to the possibility of seizures. Seek prompt medical attention.

# **Additional First Aid Information:**

NA

### **Section 5 - Fire Fighting Measures**

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Flash Point:		Flash Point Method:
NA		NA
Flammability Classification:		Auto Ignition Temperature:
0 Not Flammable (HMIS,	NFPA)	ND
LEL:	UEL:	Burning Rate:
NA	NA	NA

### **Extinguishing Media:**

Water spray, dry chemical, foam, carbon dioxide, or halon-type extinguishers.

#### **Unusual Fire / Explosion Hazards:**

None

#### **Hazardous Combustion Products:**

Carbon monoxide, carbon dioxide, nitrogen oxide, and smoke. Under certain conditions some aliphatic aldehydes and carboxylic acids may form.

#### **Fire-Fighting Instructions:**

Do not release runoff from fire control methods to sewers or waterways.

### **Fire-Fighting Equipment:**

Because fire may produce toxic thermal decomposition products, wear a self-contained breathing apparatus (SCBA) with a full facepiece operated in pressure-demand or positive-pressure mode.

#### Section 6 - Accidental Release Measures

#### **Containment Method:**

No special requirements.

### **Reporting Requirements:**

Follow applicable OSHA regulations (29 CFR 1910.120).

### **Section 7 - Handling and Storage**

### **Handling Precautions:**

Avoid contact with sharp edges and corners.

### **Storage Requirements:**

NA

#### **Regulatory Requirements:**

NA

## **Section 8 - Exposure Controls and Personal Protection**

#### Ventilation

The best protection is to enclose operations and/or provide local exhaust ventilation at the site of chemical release in order to maintain airborne concentrations of the product below OSHA PELs (See Section 2). Local exhaust ventilation is preferred because it prevents contaminant dispersion into the work area by controlling it at its source.

#### **Respiratory Protection**

IMPROPER USE OF RESPIRATORS IS DANGEROUS. Seek professional advice prior to respirator selection and use. Follow OSHA respirator regulations (29 CFR 1910.134 and 1910.137) and, if necessary, wear a NIOSH approved respirator. Select respirator based on its suitability to provide adequate worker protection for given work conditions, level of airborne contamination, and presence of sufficient oxygen. For emergency or non-routine operations (cleaning spills, reactor vessels, or storage tanks), wear an SCBA. WARNING! Air purifying respirators do not protect worker in oxygen-deficient atmospheres. If respirators are used, OSHA requires a written respiratory protection program that includes at least: medical certification, training, fit testing, peroidic environmental monitoring, maintenance, inspection, cleaning and convenient, sanitary storage areas.

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### **Protective Clothing and Equipment**

Wear chemically protective gloves, boots, aprons, and gauntlets to prevent prolonged or repeated skin contact. Wear splash-proof chemical goggles and face shield when working with liquid, unless full facepiece respiratory protection is worn. Contact lenses are not eye protective devices. Appropriate eye protection must be worn instead of, or in conjunction with contact lenses.

### **Safety Stations**

Make emergency eyewash stations, safety/quick-drench showers, and washing facilities avalable in work area.

#### **Contaminated Equipment**

Separate contaminated work clothes from street clothes. Launder before reuse. Remove material from your shoes and clean personal protective equipment. Never take home contaminated clothing.

#### **Comments**

Never eat, drink, or smoke in work areas. Practice good personal hygiene after using this material, especially before eating, drinking, smoking, using the restroom, or apply cosmetics.

### **Additional Information**

NA

# **Section 9 - Physical and Chemical Properties**

Boiling Point:	Freezing or Melting Point:	Odor Threshold:	Physical State:
NA	NA	ND	Solid
Viscosity:	Refractive Index:	Vapor Density (Air = 1)	Appearance and Odor:
NA	NA	NA	Solid aluminum, polyethylene composite material, various colors
	Surface	Vapor	Water
% Volatiles:	Tension:	Pressures:	Solubility:
NA	NA	NA	Negligible
	Evaporation	Formula	Other
Density:	Rate:	Weight:	Solubilities:
NA	NA	NA	NA
	Specifice Gravity w	here	Additional
pH:	Water = $1$ at $4$ deg	C	Comments:
NA	NA		NA

# Section 10 - Stability and Reactivity

Stability:	Polymerization:	Hazardous Decomposition Products:
Stable under conditions of normal	NA	NA
use.		
	Chemic	cal Incompatibilities:
NA		
	Con	nditions to Avoid:
NA		
	Ot	ther Comments:
NA		

# **Section 11 - Toxicological Information**

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Checked bo	x indicates that related hea	lth effects criteria applies to the ov	verall mixture.	
Eye Effects $\Box$	Acute Oral Effects $\Box$	Acute Inhalation Effects $\Box$	Mutagenicity $\Box$	
Skin Effects $\Box$	Chronic Effects $\Box$	Carcinogenicity $\Box$	Teratogenicity $\Box$	
	EXPLANATION	N of HEALTH EFFECTS:		
NA				
	EXPLANATION of T	OXICOLOGICAL CRITERIA:		
<b>Chemical Component:</b>	<u>Aluminum</u>			
REPRODUCTIVE EFF	ECTS DATA: 1260 mg/kg o	ral-mouse TDLo multigenerations		
INHALATION ACUTE forms.	EXPOSURE: The only rep	orted inhalation effects are for the du	ist, powder, or fume	
		f aluminum penetrating the skin may infections. Contact with rough or sh		
near the retinal and are powder and disappear in	usually nonirritating and we	al particles have been observed in the ll tolerated. The particles gradually characteristic local necrotic "imprint	changed into a white	
ingested. Generally it h tract. Massive doses ma INGESTION CHRONIC leading to ricketts. Cert	as a very low acute systemic by cause gastrointestinal irrit C EXPOSURE: Large amou	nts may interfere with intestinal absorbe concentration of aluminum n org	om the gastrointestinal orption of phosphates	
ECTOXICITY DATA: FISH TOXICITY: 293 ug/L 7 hour(s) LETH (Mortality) Golden trout (Oncorhynchus aguabonita) INVERTEBRATE DATA: 2600 ug/L 24 hour(s) LC50 (Mortality) Water flea (Daphnia pulex) PHYTOTXICITY: 2500 ug/L 32 day(s) EC50 (Biomass) Water-milfoil (Myriophyllum spicatum) FATE AND TRANSPORT: BIOCONCENTRATION: 36 ug/L 56 hour(s) BCF (Residue) Brook trout (Salvelinus fontinalis) 268 ug/L				
	sure limit (PEL) has been se tal dust: 15 mg/m3; Respira	t up for this substance. The PEL is a able fraction: 5 mg/m3.	an 8 hour TWA. Limits	
<b>Chemical Component:</b>	Core Materials			
Data Not Available				
<b>Chemical Component:</b>	Fluoropolymer Coating			
Data Not Available				
<b>Chemical Component:</b>	<u>Polyethylene</u>			
>3 gm/kg oral-rat LD50	; 5 gm/kg oral-mouse LDLo			

# **Section 12 - Ecological Information**

Checked box indicates that information regarding the criteria applies to the overall mixture.

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EXPLANAT	TION of APPLICABLE	ECOLOGI	CAL CRITERIA:	
NA				
S	ection 13 - Disposal	Considera	ations	
Disposal:				
Contact your local supplier or a lice	nsed contractor for detai	led recommer	ndations. Follow applicable Fe	deral,
tate and local regulations.				
Disposal Regulatory Requirement		. 11 6 1	1	
Waste material may be incinerated tegulations.	ander conditions which i	neet all federa	al, state, and local environmen	tal
egulations. Container Cleaning and Disposal:				
VA				
S	Section 14 - Transpo	ort Informa	ation	
	DOT Transportation Date	a (49CFR 172	2.101)	
Shipping Name:	Label:		Passenger Air and Railo	ear:
NA	NA		NA	ı.
Shipping Symbols:	Special Provi	sions:	Cargo Aircraft:	
NA	NA		NA	
Hazard Class:	Exception	s:	Oceangoing Vessel Stow	age:
NA	NA		NA	gev
ID Number:	Non-bulk Pack	aging:	Other:	
NA	NA	88-	NA	
Packing Group:	Bulk Packag	ing:		
NA	NA	, <b>8</b> ,		
EVDI ANATIO	N of APPLICATION T	D A NISDODT	ATION CDITEDIA.	
NA	N OF ATTLICATION 1	KANSI OKI	ATION CRITERIA.	
INA				
S	ection 15 - Regulate	orv Inform	ation	
Checked box(es) indicate that the	_	•		d/or ann
on the associated chemical inventor	•	iic ussociated	regulatory requirements an	u, or upp
Chemical Component: Aluminum	m	CAS	# Proprietary	
•		_	•	
	AA 40 CFR 112		TSCA inventory (US)	<b>✓</b>
RCRA Section 3001	ARA 40 CFR 311 and 312		AICS inventory (Australia) EINECS inventory (Europe)	<b>✓</b>
S	ARA 40 CFR 372.65		DSL inventory (Canada)	<b>✓</b>
CERCLA RQ established S 40 CFR 302.4	ARA 40 CFR 355		ECL inventory (Korea)	<b>~</b>
40 CFK 302.4	SHA 1910 1000 Z-1 tables		ENCS inventory (Japan)	
	SHA 1910 subpart Z		PICCS inventory (Phillipines)	<b>✓</b>
CWA 40 CFR 307(a)			CHINA inventory	

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<b>Chemical Component:</b>	Core Materials	CAS # Proprietary
40 CFR 261.33 40 CFR 261 classified RCRA Section 3001 CERCLA RQ established 40 CFR 302.4 CWA 40 CFR 311(b)(4) CWA 40 CFR 307(a)	CAA 40 CFR 112  SARA 40 CFR 311 and 312  SARA 40 CFR 372.65  SARA 40 CFR 355  OSHA 1910 1000 Z-1 tables  OSHA 1910 subpart Z	TSCA inventory (US)  AICS inventory (Australia)  EINECS inventory (Europe)  DSL inventory (Canada)  ECL inventory (Korea)  ENCS inventory (Japan)  PICCS inventory (Phillipines)  CHINA inventory
<b>Chemical Component:</b>	Fluoropolymer Coating	CAS # Proprietary
40 CFR 261.33 40 CFR 261 classified RCRA Section 3001 CERCLA RQ established 40 CFR 302.4 CWA 40 CFR 311(b)(4) CWA 40 CFR 307(a)	CAA 40 CFR 112  SARA 40 CFR 311 and 312  SARA 40 CFR 372.65  SARA 40 CFR 355  OSHA 1910 1000 Z-1 tables  OSHA 1910 subpart Z	TSCA inventory (US)  AICS inventory (Australia)  EINECS inventory (Europe)  DSL inventory (Canada)  ECL inventory (Korea)  ENCS inventory (Japan)  PICCS inventory (Phillipines)  CHINA inventory
<b>Chemical Component:</b>	Polyethylene	CAS # Proprietary
40 CFR 261.33 40 CFR 261 classified RCRA Section 3001 CERCLA RQ established 40 CFR 302.4 CWA 40 CFR 311(b)(4) CWA 40 CFR 307(a)	CAA 40 CFR 112  SARA 40 CFR 311 and 312  SARA 40 CFR 372.65  SARA 40 CFR 355  OSHA 1910 1000 Z-1 tables  OSHA 1910 subpart Z	TSCA inventory (US)  AICS inventory (Australia)  EINECS inventory (Europe)  DSL inventory (Canada)  ECL inventory (Korea)  ENCS inventory (Japan)  PICCS inventory (Phillipines)  CHINA inventory

### **Section 16 - Other Information**

Abbreviations: ACGIH - American Conference of Governmental Industrial Hygienists

IDLH - Immediatly Dangerous to Life and Health

NA - Not Applicable to the criteria OR Not Available

ND- Not Determined OR Not Known

NE - None established

OSHA - Occupational Safety and Health Administration

PEL - Permissible Exposure Limit

RCRA - Resource Conservation Recovery Act

STEL - Short Term Exposure Limit

TLV - Threshold Limit Value

TSCA - Toxic Substances Control Act

TWA - Time Weighted Average

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Additional Comments NA

**Revision Notes:** ACB



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