

MATERIAL SAFETY DATA SHEET

SECTION 1 - PRODUCTION INFORMATION

Product Name: FIREBOND
Product Description: Aqueous Acrylic Emulsion
Manufactured by: Construction Material Chemical Industries
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 Kingdom of Saudi Arabia
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SECTION 2 - COMPOSITION

MATERIAL	CAS REG. NO.	%	ACGIH (TLV)	PEL
Acrylic Polymer	9063-87-0	23-24	NE	
Residual Monomer	141-32-2	L 0.05		
Water	7732-18-5	76-77		

SECTION 3 – PHYSICAL DATA

Appearance : Milky White Liquid
 Odor : Slight Ammonia
 Specific Gravity : 1.01-1.04
 Vapor Density (Air=1) : NE
 % Volatile (Water) by Weight : 74-76
 Actual VOC Content : 1 gm/l
 Bulk Density : 8.4-8.6 lb/gal
 Boiling Point : 212°F
 Vapor Pressure : NE
 % Solubility (H2O) : Complete
 ph : 10
 VOC Content : 0.59 liter

SECTION 4 – FIRE AND EXPLOSION HAZARD DATA

Flash Point and Method : None
 Flammable Limits : LEL - none UEL – none
 Extinguishing Media : NA
 Unusual Fire and Explosion Hazards : Material can splatter above 212°F
 Dried product can burn

SECTION 5 – ACCIDENTAL RELEASE MEASURES

Accidental Release Measures:

Personal Precautions: Do not get in eyes. Do not take internally. Avoid skin contact. Prevent prolonged or repeated breathing of vapor or spray mists. Keep unnecessary people away. Floor may slippery, use care to avoid falling. Ventilate the area. Remove with inert absorbent.

Environmental Precautions: Keep spills and cleaning run-offs out of municipal sewers and open bodies of water. Comply with local, state and national regulations.

SECTION 6 – EXPOSURE CONTROLS / PERSONAL PROTECTION

Precautions:

Use only with adequate ventilation.
Avoid contact with skin and eyes.
Avoid breathing vapor and spray mist.
Wash hands after using.

Work Hygienic Practices:

Avoid contact with skin.
Do not get in eyes.
Do not take internally.
Avoid breathing vapors or spray mists.

Ventilation:

Use in well-ventilated areas. General exhaust acceptable if the exposure to materials in Section 2 is maintained below applicable exposure limits. (Refer to OSHA Standards 1910.94, 1910.107, 1910.108)

Eye Protection: Use approved safety eyewear including side shields, chemical goggles or face shields.

Skin Protection: Wear neoprene or rubber gloves to prevent skin contact. If prolonged skin contact is likely. Wash hands before eating, smoking or using the wash room.

SECTION 7 - PHYSIOLOGICAL EFFECTS

LD50 (Oral) Ingestion	: Rat = 5.0 g/kg
LD50 Dermal (Skin Contact)	: Rabbit = 5.0 h/kg
LC50 (Inhalation)	: NE
Primary Route of Exposure	: Skin and eyes
Threshold Limit Value (TLV)	: NE

SECTION 8 - EMERGENCY AND FIRST AID PROCEDURES

Inhalation	: Move to fresh air.
Eye	: Irrigate eye for 15 minutes. If pain, irritation or burning persists, seek medical attention.
Skin	: Wash area twice with soap and water. If irritation arises, seek medical attention
Ingestion	: Call a physician or Poison Control Centre

SECTION 9 - U.S.D.O.T. SHIPPING DESCRIPTION

USDOT Hazard Class	: Non-regulated
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SECTION 10 - SPECIAL PROTECTION INFORMATION

Ventilation	: Use with adequate fresh air
Respiratory	: Possible NIOSH approval respirator according to 29 CFR 1910.134, if spraying
Eye Protection	: Yes (rubberized)

(All chemicals should be handled so as to prevent eye contact and excessive or repeated skin contact. Appropriate eye and skin protection should be employed. Inhalation of dusts and vapors should be avoided. Appropriate eye and skin protection should be employed. Inhalation of dusts and vapors should be avoided.)

SECTION 11 – CHEMICAL REACTIVITY

Conditions Causing Instability	- Temperatures over 350°F, decomposition starts
Incompatibility (Materials to Avoid)	- None
Hazardous Decomposition Products	- None
Special Sensitivity	- NA

SECTION 12 – STORAGE INFORMATION

Precautions to be taken in Handling and Storing: Keep closures tight and containers upright to prevent leakage. Product is non-combustible. Keep from freezing. Product may coagulate.

Storage: Keep containers tightly closed in a dry, cool and well-ventilated place. Keep out of the reach of children.

SECTION 13 – SPILL, LEAK, AND DISPOSAL INFORMATION

Steps to be Taken in Case Material is Spilled or Released:

Dike or contain with sand or dirt. Area will be slippery.

Waste Disposal Method – Dispose of in accordance with all federal, state and local laws and regulations

SECTION 14 – TRANSPORT INFORMATION

U.S. Department of Transportation

Proper Shipping Name : Non-Hazardous Water-based Paint

Hazard Class : “Not Regulated”

Label Statement : “Keep from Freezing”

Class 55 Non-Hazardous Water-based Paint

Canada (TDG)

Not regulated for Transportation

IMO

Not regulated for Transportation

Classification for ROAD and Rail transport: Not regulated for transport

Classification for SEA transport (IMO-IMDG): Not regulated for transport

Classification for AIR transport (IATA/ICAO): Not regulated for transport

SECTION 15 – REGULATORY INFORMATION

U.S. Federal Regulations:

TSCA (TOXIC SUBSTANCE CONTROL ACT): All components of this product are in compliance with the inventory listing requirements of the U.S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory.

CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT): Releases of this material to air, land, or water are not reportable to the National Response Center under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) or to state and local emergency planning committees under the Superfund Amendments and Reauthorization Act (SARA) Title III Section 304.

SARA TITLE III: No ingredients in this product are subject to SARA 313 (40 CFR 372.65C) Supplier Notification.

CALIFORNIA SAFE DRINKING WATER AND TOXIC ENFORCEMENT ACT (PROPOSITION 65): No components of this product are on the California Proposition 65 lists.

Canada DSL: All components are listed or exempt.

SECTION 16 – OTHER INFORMATION

This product has been classified in accordance with the hazard criteria of the Canadian Controlled Products Regulations (CPR) and the MSDS contains all of the information required by the CPR.

To comply with New Jersey DOH Right-To-Know labeling law (NJAC 8:59 - 5.1 & 5.2)

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Date of preparation / Last Revision : 29/02/2020 / -

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