PRODUCTS: AIREX R 63 Plastic Foam (R63.50, R63.80, R63.140) Plain Sheet, Contoured Sheet, Perforated Sheet

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24-HOUR EMERGENCY TELEPHONE NO. 201/767-1400

THIS MATERIAL SAFETY DATA SHEET COMPLIES WITH
29 CFR 1910.1200 (THE HAZARD COMMUNICATION STANDARD)

SECTION I - PRODUCT IDENTIFICATION

PRODUCT NAME: AIREX R 63 Plastic Foam
GENERAL OR GENERIC I.D.: Cellular Plastic Foam Core Material
D.O.T. HAZARD CLASSIFICATION: ORM-C/No Label Required
NFPA (National Fire Protection Association) and HMIS/NAPIM (National Association of Printing Ink Manufacturers) CLASS:

HEALTH (NFPA/HMIS): 1
FLAMMABILITY(NFPA/HMIS): 0
REACTIVITY (NFPA/HMIS): 0
PERSONAL PROTECTION (HMIS): None Required

(Where 4 = Extreme; 3 = Severe; 2 = Moderate; 1 = Slight; 0 = None)

SECTION II - HAZARDOUS COMPONENTS

Ingredient	C.A.S. No.	% (By Weight)	PEL	TLV

PRODUCT CONTAINS NO HAZARDOUS INGREDIENTS PER 29 CFR 1910.1200

However, cutting milling, drilling, routing or otherwise fabricating this material may produce the following:

Particles- Not Regulated		N/A	TWA=15 mg/m^3	N/A

This product primarily consists of high molecular weight polymers and is manufactured without CFC's or other ozone-depleting substances.

NOTE: ONLY THOSE INGREDIENTS THAT HAVE BEEN DETERMINED TO BE HAZARDOUS AS DEFINED IN 29 CFR 1910.1200 ARE LISTED IN THIS SECTION. AN INGREDIENT MARKED WITH AN ASTERISK (*) IS ALSO LISTED IN 29 CFR 1910.1200 (D) #4 AS A KNOWN OR SUSPECTED CARCINOGEN. TO OUR KNOWLEDGE, THIS PRODUCT DOES NOT CONTAIN ANY CHEMICALS SUBJECT TO SECTION 313 OF 40 CFR 372.

SECTION III - PHYSICAL DATA

PROPERTY	REFINEMENT	MEASUREMENT
BOILING POINT	For Component (100%)	N/A
VAPOR PRESSURE	For Component (100%)	Less than 1mm HG @ 68 Deg F (20 Deg C)
VAPOR DENSITY	Air = 1	Solid, N/A
SPECIFIC GRAVITY		0.045 - 0.090 (ASTM D 1622) @ 77 Deg F (25 Deg C)
PERCENT VOLATILE BY WEIGHT (%)		Less Than 1%

SECTION III - PHYSICAL DATA, CONTINUED

PROPERTY	REFINEMENT	MEASUREMENT
EVAPORATION RATE (ETHER = 1)		Solid, N/A
SOLUBILITY IN WATER BY WEIGHT (%)		Less Than 0.01%
PHYSICAL SOFTENING	Glass Transition Temperature:	125 - 150 Deg. F (ISO 537)
APPEARANCE, STATE, FORM		Foam slabs or sheets, optionally with machined slits, optionally with perforations

SECTION IV - FIRE & EXPLOSION DATA

FLASH-POINT (ASTM D1929): Greater Than 590 Deg F (310 Deg C) (ASTM D1929)

AUTOIGNITION: None known, Oxygen Index Less than 30% (ASTM D2863)

FLAMMABILITY LIMITS IN AIR: LOWER: Not Determined, flammable only by direct flame
UPPER: Not Determined, flammable only by direct flame

HAZARDOUS DECOMPOSITION PRODUCTS: Hydrogen Chloride, Carbon Monoxide

EXTINGUISHING MEDIA: X WATER X WATER FOG __ CO_2 __ DRY CHEMICAL X OTHER: water froth

SPECIAL FIRE FIGHTING PROCEDURES: Self-contained breathing apparatus and protective clothing should be worn in a sustained fire. Avoid using a direct jet of water on molten plastics. Secure and segregate the water and fire waste and treat it as a hazardous material.

UNUSUAL FIRE AND EXPLOSION HAZARDS: None known.

SECTION V - HEALTH DATA

PERMISSABLE EXPOSURE LEVEL: Not established for product.
See Section VIII for proper protective wear, Section II for Hazardous Components.

NATURE OF HAZARD: dust may become airborne during machining operations.

PRIMARY ROUTES OF ENTRY: inhalation

SIGNS AND SYMPTOMS OF EXPOSURE: shortness of breath, dizziness

EFFECTS OF CHRONIC EXPOSURE:
No adverse chronic health effects are known for this product, but direct inhalation of dust and smoke should be avoided. No enhanced allergic responses are known to occur by handling this product. No medical conditions are known which might be aggravated by exposure to this product under normal handling.

EMERGENCY TREATMENT / FIRST AID: remove the affected to fresh air, consult physician if shortness of breath continues.

EFFECTS OF OVEREXPOSURE:for dust

Eyes	Can cause mild irritation, redness, tearing, blurry vision.
Skin	None known
Breathing	Excess inhalation of dust from product can cause asphyxiation due to coating of lung tissues.
Swallowing	None known

SECTION V - HEALTH DATA, CONTINUED

GENERAL FIRST AID:

If on skin	Wash area with soap and water when convenient to do so.
If in eyes	Flush with large amounts of water, lifting upper and lower lids occasionally. Seek medical attention if irritation persists.
If swallowed	If large quantities have been ingested, seek prompt medical attention.
If breathed	If asphyxia is apparent, remove individual to fresh air. If breathing is difficult, administer oxygen. If breathing has stopped, give artificial respiration. Keep person warm, quiet, and get medical attention.

SECTION VI - REACTIVITY DATA

HAZARDOUS POLYMERIZATION: Will not occur.

STABILITY: Long term maximum use temperature is 125 to 150 Deg. F (52 to 65 Deg. C)

INCOMPATIBILITY (AVOID CONTACT WITH): Avoid long term temperatures in excess of 300 Deg. F (150 Deg. C)

CONDITIONS TO AVOID: Exposure to open flame or excessive heat. Sustained burning may produce significant levels of noxious or irritating fumes.

HAZARDOUS DECOMPOSITION PRODUCTS: Exposure to open flame may liberate Hydrogen Chloride, Carbon Monoxide, Carbon Dioxide.

SECTION VII - SPILL, LEAK AND DISPOSAL PROCEDURES

IN CASE MATERIAL IS RELEASED OR SPILLED: broom-up or vacuum-up.

WASTE DISPOSAL METHOD: disposal as an industrial waste in a landfill is recommended when consistent with all local, state and federal regulations.

D.O.T. (49 CFR 171.8)/E.P.A. (40 CFR 117) SPILL REPORTING INFORMATION:

HAZARDOUS SUBSTANCE:	None
REPORTABLE QUANTITY:	Does not apply.
CONCENTRATIONS OF HAZARDOUS SUBSTANCE:	None
REPORTABLE QUANTITY OF PRODUCT:	Does not apply.

SECTION VIII - PROTECTIVE EQUIPMENT TO BE USED

RESPIRATORY PROTECTION: Where use results in the generation of dust from product (machining, sawing or sanding), protection with a dust/mist respirator having a NIOSH/MSMA approval of TC-21C-132 is recommended.

VENTILATION: Where use results in the generation of dust from product (machining, sawing or sanding), provide sufficient mechanical (general and/or local exhaust) ventilation or vacuum-assisted dust collection to prevent excessive concentrations of airborne dust from developing.

SECTION VIII - PROTECTIVE EQUIPMENT TO BE USED,CONTINUED

PROTECTIVE GLOVES: Not necessary.

EYE PROTECTION: Goggles are recommended during fabrication or in those cases where use results in generation of dust.

OTHER PROTECTIVE EQUIPMENT: Normal work clothing covering arms and legs.

SECTION IX - SPECIAL PRECAUTIONS OR OTHER COMMENTS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Product is combustible. Avoid contact with direct flame. Avoid storing in areas where temperatures may exceed 280 Deg. F (140 Deg. C). For retention of product's dimensional stability, avoid storage above 120 Deg. F (50 Deg. C). During machining or high speed abrading, product may collect a high potential static charge in dry weather. To avoid explosion due to Electrostatic Discharge (ESD), do not perform such machining operations in the presence of flammable vapors.

OTHER PRECAUTIONS: Abrasive dust may irritate skin.

COMMENTS: The information accumulated herein is believed to be accurate but is not warranted to be, whether advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances.

PREPARED BY: K.A. Feichtinger
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