

MATERIAL SAFETY DATA SHEET

Required under USDL Safety and Health Regulations for Ship Repairing,
Shipbuilding, and Shipbreaking (29 CFR 1915, 1916, 1917)

SECTION I

MANUFACTURER'S NAME ETHYL CORPORATION		EMERGENCY TELEPHONE NO. 504-359-2702
ADDRESS (Number, Street, City, State, and ZIP Code) P. O. Box 341, Baton Rouge, La. 70821		
CHEMICAL NAME AND SYNONYMS Polyvinyl Chloride Compound - Rigid		TRADE NAME AND SYNONYMS
CHEMICAL FAMILY Plastic	FORMULA [CH₂-CHCl]_n with various additives	

SECTION II - HAZARDOUS INGREDIENTS

PAINTS, PRESERVATIVES, & SOLVENTS	%	TLV (Units)	ALLOYS AND METALLIC COATINGS	%	TLV (Units)
PIGMENTS *			BASE METAL None		
CATALYST None			ALLOYS None		
VEHICLE None			METALLIC COATINGS None		
SOLVENTS None			FILLER METAL PLUS COATING OR CORE FLUX *		
ADDITIVES *			OTHERS *		
OTHERS *					
HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES				%	TLV (Units)
* PVC compound contains functional amounts of fillers, pigments, stabilizers, and/or lubricants which are fused into a finished cube. The solid cube matrix is non-volatile but may contain trace amount of vinyl chloride, a cancer suspect agent.					

SECTION III - PHYSICAL DATA

BOILING POINT (°F.)	None	SPECIFIC GRAVITY (H ₂ O=1)	1.2-1.4
VAPOR PRESSURE (mm Hg.)	None	PERCENT VOLATILE BY VOLUME (%)	trace
VAPOR DENSITY (AIR=1)	None	EVAPORATION RATE (_____ =1)	None
SOLUBILITY IN WATER	None		
APPEARANCE AND ODOR 5/32 inch cubes, various colors & transparencies, no odor			

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

F LASH POINT (Method used) 735°F.	FLAMMABLE LIMITS Not applicable	Lel	Uel
EXTINGUISHING MEDIA Rigid PVC will not continue to burn after ignition without an external fire source.			
SPECIAL FIRE FIGHTING PROCEDURES Normal; e.g., use of water, foam, etc.			
UNUSUAL FIRE AND EXPLOSION HAZARDS Will give off HCl as a decomposition product when exposed to external fire source or at temperatures about 450°F.			

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GRAND TOTAL

THRESHOLD LIMIT VALUE

10Mg/M³ no known limit - PVC compound is inert and harmless

EFFECTS OF OVEREXPOSURE

No known effects - PVC compound in normal use and fabrication processes is an inert material.

EMERGENCY AND FIRST AID PROCEDURES

may contain very small amounts of residual vinyl chloride monomer which is a cancer suspect agent. Check OSHA Regulation FR Title 29, Chapter XVII, part 1910, to determine if you are above action level.

STABILITY

UNSTABLE

CONDITIONS TO AVOID

STABLE

x

Temperature in excess of 400°F.

INCOMPATABILITY (Materials to avoid)

None - PVC compound is inert

HAZARDOUS DECOMPOSITION PRODUCTS

Slow release of HCl when heated to above 450°F

HAZARDOUS POLYMERIZATION

MAY OCCUR

WILL NOT OCCUR

X

CONDITIONS TO AVOID

PVC compound is unreactive and stable.

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

Normal housekeeping standards and methods should be used. Spills should be swept up immediately and placed in vapor tight containers for disposal.

WASTE DISPOSAL METHOD

Land fill or modern incineration.

RESPIRATORY PROTECTION (Specify type)

None - if below the action level of 0.5 ppm VCM Avg./8 hrs. in work area.

VENTILATION

LOCAL EXHAUST

SPECIAL

Regular practices for light mfg. plant

MECHANICAL (General)

OTHER

PROTECTIVE GLOVES

Unnecessary - PVC compound is harmless.

EYE PROTECTION

None required - cubes are 5/32-inch.

OTHER PROTECTIVE EQUIPMENT

None - if below action level.

PR CAUTIONS TO BE TAKEN IN HANDLING AND STORING

None required, unless check shows vinyl chloride monomer in area is above action level.

OTHER PRECAUTIONS

When opening rail cars or trucks for unloading ventilate before entering.

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