

RG

FOSECO, INC.

P.O. BOX 8728 • CLEVELAND, OHIO 44135



file EP 5264/PROFLEX[®]

October 2, 1972

Mr. Leo Scott
REPUBLIC STEEL CORPORATION
Warren, Ohio

Dear Mr. Scott:

Harold Wright has asked that we send through an analysis of the no-asbestos material currently being tested in hot tops #571 and #572 in your Warren operation.

Data on the subject material indicates that it is a mix of refractory fibers, refractory fillers and binder. The refractory fibers are selected from various materials; example, alumina, silica and glass wool. Refractory fillers are also selected from various materials, but currently silica is the most widely used. These materials have been supplied to mills and foundries for many years and there have been no specific instances cited of impairment to health. You will note that this material has no asbestos.

We are grateful for the opportunity to test these materials and hope for their successful and ultimate inclusion in your production.

Sincerely,

FOSECO, INC.

K. M. Swingle
K. M. Swingle
Marketing Analyst

KMS/cel



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MATERIAL SAFETY & HEALTH DATA SHEET

Definition of a Hazardous Material:

A hazardous material has one or more of the following characteristics: (1) has a flashpoint below 140° F., closed cup, or subject to spontaneous heating; (2) has a threshold limit value below 500 ppm for gases and vapors, below 500 Mg/M³ for fumes, and below 25 mppcf for dusts; (3) a single dose oral LD50 below 500 mg/kg; (4) is subject to polymerization with the release of large amounts of energy; (5) is a strong oxidizing or reducing agent; (6) causes first degree burns to skin in short time exposure, or is systematically toxic by skin contact; or (7) in the course of normal operation, may produce dusts, gases, fumes, vapors, mists, or smokes which have one or more of the above characteristics.

SECTION I

MANUFACTURER'S NAME FOSSCO, INC.		EMERGENCY TELEPHONE NO. 216-234-3551
ADDRESS (Number, Street, City, State, and ZIP Code) 20200 Sheldon Road, Brookpark, Ohio 44142		
CHEMICAL NAME AND SYNONYMS		TRADE NAME AND SYNONYMS EP-5264 / PROFLEX [®]
CHEMICAL FAMILY	FORMULA	

SECTION II HAZARDOUS INGREDIENTS

PAINTS, PRESERVATIVES, & SOLVENTS	%	TLV (Units)	ALLOYS AND METALLIC COATINGS	%	TLV (Units)
PIGMENTS			BASE METAL		
CATALYST			ALLOYS		
VEHICLE			METALLIC COATINGS		
SOLVENTS			FILLER METAL PLUS COATING OR CORE FLUX		
ADDITIONALS			OTHERS		
OTHERS					
HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES				%	TLV (Units)
CRYSTALLINE SILICA (QUARTZ)				40	0.10-0.15

SECTION III PHYSICAL DATA

BOILING POINT (°F.)	N/A	SPECIFIC GRAVITY (H ₂ O = 1)	0.55
VAPOR PRESSURE (mm Hg.)	N/A	PERCENT VOLATILE BY VOLUME (%)	N/A
VAPOR DENSITY (AIR = 1)	N/A	EVAPORATION RATE (H ₂ O = 1)	N/A
SOLUBILITY IN WATER	SLIGHT	* N/A REFERS TO NOT APPLICABLE	
APPEARANCE AND ODOR	LIGHT BROWN COLOR. SLIGHT FISHY ODOR.		

SECTION IV FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method used)	N/A	FLAMMABLE LIMITS	Lel	Uel
EXTINGUISHING MEDIA	NON-COMBUSTIBLE			
SPECIAL FIRE FIGHTING PROCEDURES	N/A			
UNUSUAL FIRE AND EXPLOSION HAZARDS	N/A			

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CHEMICAL COMPOSITION (Based on adjusted recipe)

SiO ₂	74.54%
Al ₂ O ₃	15.07%
Fe ₂ O ₃	0.60%
CaO	1.61%
MgO	0.08%
NiO	0.50%
TiO ₂	0.56%
Na ₂ O	0.06%
K ₂ O	0.07%
B ₂ O ₃	0.72%
P ₂ O ₅	0.01%
SrO	0.01%
L.O.I. (organic material)	5.00%
Other Oxides	0.73%

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