REQUEST FOR TOXICITY EVALUATION

Haskell Laboratory for Toxicology and Industrial Medicine

Department PIGMENTS Division RESEARCH Location NEWARK, N. J.

Name of chemical submitted Mica coated with TiO_2

Product Name Coated Mica Flakes

Sample: Code Nos. _____ _____ Lot No. 12788 Amount 1/2 lb.

Grade -325 mesh Color silver Form powder

Special handling requirements none

Formula

Composition, if a mixture

Muscovite mica	75%	Approx.
Hydrous TiO_2	25%	

Active ingredient 100 %

Impurities (identity and amounts)

All not determined. Traces of alumina, iron, sulfates and various inorganic compounds usually found in TiO_2.

Properties: MP 1000°C BP _____ VP 0 pH 4.5-5.0 S.Gr. ca. 3

Solubility in water 0 acetone 0 ethanol 0 vegetable oil 0

Proposed use:

As pigment

Present stage of development: Research _____ Semiworks x Mfg. _____ Sales _____

G.W.H.S.

N37266

Employee Exposure

1. Concentration of material in process 100%
2. Solvent and other chemicals present When used as pigment, usual paint solvents-Mineral Spirits, etc.
3. Is exposure by inhalation x skin absorption x other
4. Maximum temperature of material in process 100°C
5. Is the compound present in the atmosphere in the form of vapor mist dust x
6. Maximum concentration likely to be present in atmosphere Dust ?%
7. What type of ventilation is in use? Hood
8. What type of protective clothing is worn? Respirator
9. Exposure is for 8 hours minutes per day

Consumer Exposure	By Another Mgfr.	By Public
What is possibility of:		
1. Ingestion	Good	-
2. Inhalation	Good	-
3. Skin contact	Good	Good (in paints, etc.)

Experience to Date

Have any clinical signs of toxicity such as headaches, difficulty in breathing, dizziness, nausea, skin or eye irritation, etc. been reported by persons who have been in contact with the chemical? If so, please list them and describe circumstances under which they occurred.

None

1/10/61
date

B. H. PERKINS
Signature

DBH:emh
4-29-60

G.W.H.S.

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