

REQUEST FOR TOXICITY EVALUATION

Haskell Laboratory for Toxicology and Industrial Medicine

Department PIGMENTS Division RESEAR CH Location NEWARK, N. J.

Name of chemical submitted Mica coated with TiO₂

Product Name Coated Mica Flakes

Sample: Code Nos. _____ Lot No. 12781 Amount 1/2 lb.

Grade _____ Color silver Form powder

Special handling requirements None

Formula

Composition, if a mixture

Muscovite Mica 65% Approx.
Calcined TiO₂ 35%

Active ingredient 100 %

Impurities (identity and amounts)

All not determined. Traces of alumina, iron, sulfated and various inorganic compounds usually found in TiO₂.

Only inorganic impurities

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 in paints, inks, plastics, etc.

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

G.W.H.S.

N37267

Employee Exposure

1. Concentration of material in process 100%
When used as pigment,
2. Solvent and other chemicals present 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 Mgr.

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.