
1. PRODUCT AND COMPANY IDENTIFICATION

- 1) MANUFACTURER : PLAVEX CORPORATION
- 2) ADDRESS : #108 Ssangbong-ri, Geumwang-eup, Eumseong-gun,
Chunacheonbuk-do.
South Korea
- 3) T E L : 82-43-883-2670~1
- 4) F A X : 82-43-883-2672
- 5) PRINTED DATE : 2014/11/04
- 6) PRODUCT NAME : ACRYSTAL 400

2. COMPOSITION

- 1) CHEMICAL NAME : Methyl Acrylate-Methyl Methacrylate Polymer
- 2) CAS No. : 9011-87-4
- 3) CONTENTS(%) : 100%

3. HAZARDS IDENTIFICATION

HEALTH HAZARD DATA

- 1) EYE : No toxic Symptoms reported.
- 2) SKIN : No toxic Symptoms reported.
- 3) INHALATION : No toxic Symptoms reported.
- 4) INGESTION : No toxic Symptoms reported. However, Low toxicity by this route is expected on biological activity of high molecular weight polyester polymers.

4. EMERGENCY AND FIRST AID MEASURES

- 1) EYE(Contact) : Flush with plenty of water. Seek medical attention if symptoms persist
- 2) SKIN(Contact) : If molten polymer contact skin, cool rapidly with cold water.
- 3) INHALATION : Remove to fresh air.
- 4) INGESTION : If significant quantity has been swallowed, give a glass of water and induce vomiting. Seek medical attention.

5. FIRST AND EXPLOSION HAZARD DATA

- 1) FLASH POINT : No data
- 2) AUTOIGNITION TEMP : 393°C(739F)
- 3) FLAMMABLE LIMITS : No data
- 4) EXTINGUISHING MEDIA : Dry Chemical, CO₂, Foam or Water spray

5) SPECIAL Fire Fighting Procedure

Water and/or dry chemical should not be used on machinery. Self-contained breathing apparatus and personal protective equipment may be needed for large fires.

6. SPILL OR LEAK MEASURES

1) WASTE DISPOSAL METHOD

Transfer to an approved disposal area in accordance with regulation on industrial waste.

7. HANDLING AND STORAGE

1) HANDLING – Care Should be taken to avoid accidents when loading, unloading or stacking product

2) STORAGE – Requirements to be met by storerooms and containers.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

1) Ventilation – Local Exhaust Recommended when appropriate to control employee exposure. Mechanical May not be adequate as the sole means to control employee exposure.

2) Respiratory Protection

Approved respirators recommended when handling hot material.

3) Protective Gloves

Recommended during melt processing.

4) Eye Protection

Safety glasses recommended.

9. PHYSICAL AND CHEMICAL PROPERTIES

1) Appearance : Clear Sheet

2) Color : Clear

3) Melt Point : between 110~130°C

4) pH : No data

5) Specific gravity : 1.15~1.19(H₂O=1)

6) Solubility in water : Insoluble

10. STABILITY AND REACTIVITY

1) Stability : Stable(Normal condition)

- 2) Incompatibility : Avoid form heat, spark
- 3) Hazard Polymer
- 4) Conditions to avoid Do not heat above 280°C

11. Toxocological information

- 1) Sensitisation : No data
- 2) Acute Toxicity : No data
- 3) Precautions to be taken in handling and strong. Store in cool dry place

12. Ecological information

No data

13. Disposal consideration

- 1) Recommendation : Must be specially treated under adherence to official regulations.

14. Transport information

- Land transport : No data
- Not dangerous according to the above specifications

15. Regulatory information

- Korea : Inderstry Safety & Health Law : No Regulation
- The fire Services Act : No Regulation

16. Other information

- The information submit in this MSDS is based on our current knowledge and experience
- All materials may present unknown health hazards and should be used with caution.