



MATERIAL SAFETY DATA SHEET

REVISION NO. 0, Dec 2007

1. PRODUCT INFORMATION

Product Name : PLASTIX – ALUMINIUM PIGMENTS
Chemical Symbol : Al Proprietary Solid Mix
CAS No. : 7429-90-5 -
EINECS No. : 231-072-3 -

2. ITEM NO. : 630P, 620P, 420P, 220P, 122P, 1450P

3. COMPOSITION/INFORMATION ON INGREDIENTS

Name	CAS NO.	UN NO
Aluminium	7429-90-5	1309
Proprietary Solid Mix	-	-

4. HAZARDS

Health Hazard - Harmful if inhaled
Environmental - No data available
Physical – No data available
Chemical – Slight reaction with acids and alkalis

5. HANDLING AND STORAGE

HANDLING

- Avoid sources of sparks or other sources of ignition
- Protect against static electricity
- Keep work area clean
- Avoid accidental contact with reactive materials such as acids or chemicals, oxidisers etc.
- Use non sparking tools

STORAGE

- Store in the supplied containers until used
- Keep in closed dry room or store
- The area should be suitably marked to indicate the presence an ignitable dust
- No smoking warning sign should be put up
- Avoid sparks or other source of ignition
- Keep area clean and avoid spillage
- Do not store with reactive materials



6. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limits - Workplace Exposure

- Longterm exposure (TLV) – 8hrs TWA – 10mg/m³(general dust limit)

Exposure Controls

- i) Respiratory Protection - A suitable face mask is recommended for those working with these materials. Use filter types preferably.
- ii) Eye Protection – Not essential but irritation may occur as with any dust entering the eye. Wash out immediately if it occurs.
- iii) Skin Contact – Wear protective clothing

7. FIRST AID MEASURES

- i) **Skin contact:** Wash off with plenty of water and remove contaminated clothing
- ii) **Eye contact:** Rinse with plenty of running water. Obtain medical attention if symptoms persist
- iii) **Ingestion:** If ingested rinse out mouth and then drink copious amount of water. Do **not** induce vomiting. Seek medical attention.

8. FIRE FIGHTING MEASURES

Suitable Extinguishing Agents:

- i. Dry Sand: gently smother burning material with dry sand

Unsuitable Extinguishing Agents:

- i) Water
- ii) Halogenated fire extinguisher

Special hazards caused by the substance, its products of combustion or resulting gases:

- i) Aluminium Dust can combine with air to form an explosive mixture
- ii) Contact with water releases flammable gas (hydrogen)

9. ACCIDENTAL RELEASE MEASURES

Environmental protection

- a. Do not dump the product into the sewage system or water courses (possible reaction releasing hydrogen)

Measures for cleaning/collection spillages:

Not available

10. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	- Solid
Form	- Pellet
Color	- Silvery White
Odour	- Odourless
P.H.	- N/A
Boiling Temp.	- 2467°C (Aluminium)
Melting Temp.	- 660°C (Aluminium)
Flash Point	- N/A
Autoflammability	- Product is not self igniting
Explosive properties	- No data available
Min. Ignition Temp.	- No data available
Oxidising properties	- Will react exothermically if mixed with a strong oxidising substance and ignited
Real density	- 1.9gm/cm ³
Solubility	- Insoluble in water



11. STABILITY and REACTIVITY

- Stability** - Stable at room temp.
- Reactivity** - May react with acids or alkalis

12. TOXICOLOGICAL INFORMATION

- Acute Toxicity** - no data available
- Chronic Toxicity** - No chronic effects know TLV – 10mg/m³ (General Dust Limit)

13. ECOLOGICAL INFORMATION

- Mobility/Degradability** - Will convert to aluminium oxide (alumina) during prolonged contact with water
- Ecotoxicity** - Aluminium pellet is not ecotoxic
- Generally non hazardous to water

14. DISPOSAL CONSIDERATIONS

- Waste** : Dispose of in line with regional or national regulations.
Avoid product entering watercourses/sewer systems

15. TRANSPORT INFORMATION

- Transport over land ADR/RID class - Not regulated
- Transport over sea IMDG class - Not regulated
- Transport over ICAO/IATA class - Not regulated
- Packaging group - II

16. REGULATORY INFORMATION

- Label:** UN classification – Not listed
- Risks:** Risks Phrase – R-22 Harmful if swallowed

Safety: Safety Phrase – 7/8, Keep container tightly closed and dry

17. OTHER INFORMATION

The information contained herein is based on the present state of our knowledge. It is believed to be reliable but no representation, guarantee of any kind are made.

18. CONTACT DETAILS: for any queries contact us at:

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