Taita Chemical Company, Limited
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SAFETY DATA SHEET

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Product name: ABS Resin, Flame Retardant
Grade name: 8540T
Freight classification: Plastics, Milky off-white solid
Used for: Injection and Extrusion

1.COMPANY IDENTIFICATION

SUPPLIER :TAITA CHEMICAL CO. LTD., / KAOHSIUNG BRANCH
COMPANY ADDRESS: No.5, Industrial 1st Rd., Lin-Yuan, Kaohsiung, Taiwan
TELEPHONE: 886-76413201 EXT 1328
FACSIMILE: 886-76413201 EXT 1328

2. HAZARD IDENTIFICATION :

GHS classification:

This product is not hazardous under United Nations GHS Parts 2,3 and 4.

Potential Health Effects:

Eye: Dust and process vapors may irritate eyes.

Skin: Exposure to molten resin may cause thermal burns.

Inhalation: Dust and process vapors may cause respiratory tract irritation.

Ingestion: Not Applicable

3. COMPOSITION / INFORMATION ON INGREDIENTS

PRODUCT DESCRIPTION : Acrylonitrile-Butadiene-Styrene copolymer

Content : >75 %
Formula :$(C_3H_3N)_x - (C_4H_6)_y - (C_8H_8)_z$
CAS No. : 9003-56-9

Content : <20 %
Formula: $C_{15}Br_4O_2H_{12}$
CAS No. : 79-94-7

Content: <10%
Formula: Sb_2O_3
CAS No. : 1309-64-4

4. FIRST AID MEASURES

Eye Contact **:** In case of pellets or powder, flush with plenty of water for at least 15 minutes. Seek medical advice if any dust particles still remain. In case of gases evolving from melted resin of high temperature, flush with plenty of water for at least 15 minutes. Seek medical advice if necessary.

Skin Contact **:**Wash skin thoroughly with soap and water. Seek medical attention if rash or burn

Ingestion **:** Induce vomiting. Rinse mouth with water. Seek medical advice if necessary.

Inhalation **:** In case of gases evolving from melted resin, move subject to fresh air. Treat symptomatically.

5. FIRE FIGHTING MEASURES

Extinguishing Measures：At the time of fire, high heat as well as gases containing dense black smoke, carbon dioxide, carbon monoxide, nitrogen oxides, etc. are generated. At the time of fire-fighting, wear proper protective clothing and respirators.

Extinguishing Media：Water, water spray, and various kinds of fire-extinguishers may be used.

Special Fire-Fighting Procedure：Self contained breathing apparatus.

Fire and Explosion Hazards：None

6. ACCIDENTAL RELEASE MEASURES

Environmental Precautions： In case it is spilled on the road or floor, there is danger of slipping and falling. Thus, collect the spilled pellets and dispose of them. If it is accidentally released, it may cause environmental contamination, so immediately collect all that have been released.

Methods for Cleaning up： Recovery if not contaminated or Disposal

7. HANDLING AND STORAGE

Handling： Gases and fumes in the drying and molding process may cause irritation to the skin and respiratory tract. Prevent contact with skin and eyes. Use industrial hygiene practices. Provide adequate ventilation. Secondary operation such as grinding, sanding or sawing may produce a dust explosion hazard. Use aggressive housekeeping activities to prevent dust accumulation; employ bonding, grounding, venting and explosion relief provisions in accordance with accepted engineering practices.

Storage： Store in a dry place away from moisture, excessive heat and sources of ignition. Avoid direct sunlight. To avoid risk of collapse, do not stack unsupported boxes too high.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Threshold Limit Value ：Not determined
Ventilation ：Necessary to exclude dust, fumes and gases.
PERSONAL PROTECTION ：
Eye ：Wear safety glasses for general purpose. Wear chemical goggles for cleaning molding machines.
Skin：When handling pellets avoid prolonged or repeated contact with skin，there is no special need of gloves, But when handing molten resins, wear gloves having good Thermal insulation. Ordinary work clothing will do，but in case of handling molten resins, wear work clothing having long sleeves.
Respiratory：Wear masks for cleaning molding machines.

9. PHYSICAL AND CHEMICAL PROPERTIES

Apperance	**:** Milky off-white Solids
Melting Point	**:** Softening above 100 °C
Vapor Pressure (mmHg)	**:** None
Specific Gravity	**:** 1.03-1.08
Solubility	**:** Insoluble in water
Volatility	**:** None

10. STABILITY AND REACTIVITY

Flashing Point	:402℃
Auto Ignition Point	:466℃.
Upper Explosion Limit	: None
Lower Explosion Limit	:45g/m3
Stability	: Stable under recommended conditions of storage and handling
Reactivity with Water	: No :Yes
Flammability	: Explosive
Dust Explosiveness	: CO, HCN, AN, SM and NO
Thermal Decomposition Gases	

11. TOXICOLOGICAL INFORMATION

Skin Corrosiveness : None
Irritability (Skin, Eyes) : There is physical irritability.
Allergenic and Sensitizing Effects : None
Acute Toxicity (Includes 50% Lethal Dose):
Oral LD 50 (Rat) > 5g/kg (Assumed Value)
Sub-Acute Toxicity : No Information
Chronic Toxicity : No Information
Carcinogenic Effects : No Information
Mutagenic Effects : No information
Effects on the Reproductive System : No Information
Teratogenic Effects : No Information
Others: (Includes generation of toxic gases by reaction with water, etc.)

12. ECOLOGICAL INFORMATION

Biodegradability: Not Biodegradable

Bioaccumulation ：No Information

Fish Toxicity ：No Information

Others: In order to prevent the marine animals and birds from ingesting it, it just not be abandoned or dumped in any ocean or water area.

13. DISPOSAL INFORMATION

It shall be handled in accordance with the laws, rules, and ordinances related to the disposal of waste matters.

14. TRANSPORTATION INFORMATION：

Avoid wetting or rough handling so that the packaging will not be damaged.
In case the bags are damaged and the pellets are scattered, pay attention so that no one will slip and fall.
All of the materials that have spilled shall be rapidly collected.

15. REGULATORY INFORMATION：

The Fire Services Act Specified Flammables (3,000 kg or above)

16. OTHER INFORMATION：

None.