

SAFETY DATA SHEET

In According with 3rd revision GHS SDS

Section 1 – Identification

Product Name	: ADS5000
Product Type	: PTFE Anti-drip
Product Description	: Encapsulated PTFE with SAN polymer
Chemical Formula	: $(C_2F_4)_x - (C_8H_8.C_3H_3N)_y$
Product Use	: The free flowing characteristic of the new melt modifier offers an excellent dispersion in compounds and resins of ABS, PBT ,PET ,HIPS, PC , and PC/ABS
Manufacturer	: IRPC Public Company Limited. 299 Moo 5 Sukhumvit Road Amphur Muang Rayong THAILAND
Emergency Call	: +66(0) 38 802560
Website	: www.irpc.co.th, www.irpcmarket.com

Section 2 – Hazards Identification

Regulation (EC) No 1272/2008:	This product is not classified as dangerous according to Regulation (EC) No 1272/2008.
Directive 67/548/EEC	: This product is not classified as dangerous according to EU Directive 67/548/EEC.
Regulation (EC) No 1907/2006	: This product is compiled REACH Regulation (EC) No 1907/2006.
GHS	: Not classified
Label elements	: Not applicable
Other hazards	: Not applicable

Section 3 – Composition / Information on Ingredients

Chemical name	CAS Number	EC Number	Composition
Polytetrafluoroethylene (PTFE)	9002-84-0	Polymer	50
Acrylonitrile-styrene copolymer	9003-54-7	Polymer	50

Product contains high molecular weight polymers, and is not expected to be chemically active under normal conditions of handling and processing

Section 4 – First-aid Measures

General Information	: Clothing and shoes must be immediately removed, decontaminated
Skin Exposure	: The compound is not likely to be hazardous by skin contact, but cleansing the skin after use is advisable. If molten polymer gets on skin, cool rapidly with cold water. Do not attempt to peel polymer from skin. Obtain medical treatment for thermal burn.
Eyes Exposure	: Immediately flush eyes with plenty of water for at least 15 minutes. Consult a physician if symptoms persist.

- Inhalation** : No specific intervention is indicated as the compound is not likely to be hazardous by inhalation. If exposed to fumes from overheating or combustion, move to fresh air. Consult a physician if symptoms persist.
- Ingestion** : No specific intervention is indicated as compound is not likely to be hazardous by ingestion.

Section 5 – Fire-fighting Measures

- Suitable extinguishing agents** : Water spray or fog. Alcohol stable foam. Dry chemical powder, carbon dioxide. Do not use water jets for large fires.
- Hazards during fire-fighting** : Carbon monoxide, carbon dioxide, hydrogen cyanide.
- Fire Fighting** : Alert Fire Brigade and tell them location and nature of hazard. Wear breathing apparatus plus protective gloves. Prevent, by any means available, spillage from entering drains or water course. Use water delivered as a fine spray to control fire and cool adjacent area. Avoid spraying water onto liquid pools.
- Protective equipment** : Wear self-contained respiratory protective device.

Section 6 – Accidental Release Measures

- Personal precautions** : Avoid inhalation.
- Environmental precautions** : Discharge into the environment must be avoided.

Cleanup:

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

Sweep/shovel up or spray with water and collect in a suitable container. Allow molten material to solidify before disposal. Avoid production of dust.

Section 7 – Handling and Storage

- Handling** : Avoid breathing dust. Avoid contamination of cigarettes or tobacco with dust from this material.
- Storage conditions** : Store in a cool, dry place in the original container when possible. Store below 50°C. Keep away from moisture, excessive heat and sources of ignition. Do not place in direct sunlight.

Section 8 – Exposure Controls / Personal Protection

Exposure limits

Component Name	Reference	TWA	
		ppm	mg/m ³
Styrene acrylonitrile	OEL, Japan	-	8 (Total dust) 2 (Respirable dust)
Polytetrafluoroethylene	AEL, DuPont	-	10 (8 hr, Total dust) 5 (8 hr, Respirable Dust)

- Exposure control** : Ventilation, enclosures, or other controls may be needed to keep airborne contaminants below exposure limits.
- Personal protective equipment**
- Respiratory protection : Wear respiratory protection if ventilation is inadequate. Breathing protection device if dust is formed.
- Eye protection : Chemical workers goggles recommended.

- Protective clothing : Gloves required when handling hot material. In case of fire, wear MSHA/NIOSH approved self-contained breathing apparatus or equivalent and full protective gear.
- Ventilation : Provide adequate ventilation when processing material at elevated temperatures.
- Other protective equipment** : N.A.

Section 9 – Physical and Chemical Properties

- Physical State** : White Powder Form
- Odor and Appearance** : Plastic powder with slight odor.
- Melting Range** : 300 -342 °C
- Specific Gravity** : 1.4 - 1.6 (Water =1)
- Bulk Density** : > 0.4 g/cm³
- Percent Volatile (Vol %)** : Nil
- Solubility in water** : Insoluble
- Solubility (Qualitative)** : Soluble in polar solvents

Section 10 – Stability and Reactivity

- Stability** : Stable
- Condition to Avoid** : Avoid temperatures above 300°C.
- Material to Avoid** : Avoid solvents and oxidizing agents .
- Dangerous decomposition** : Carbon monoxide, carbon dioxide, styrene, acrylonitrile, hydrocarbon, cyanide.

Section 11 – Toxicological Information

- Acute Toxicity** : No data relevant available.
- Irritating/corrosive effects**
- Eye Irritation : Prolonged contact can causes eye irritation
- Skin Irritation : Prolonged contact can cause skin irritation
- Respiratory Irritation : May cause allergic respiratory response.
- Ingestion Irritation : Swallowing larger amounts may cause injury.

Section 12 – Ecological Information

- Toxicity** : No relevant studies identified.
- Persistence and degradability** : The product is not easily biodegradable.
- Bio-accumulative potential** : Insoluble in water. Not expected to be bio-accumulative.
- Mobility in soil** : No relevant studies identified.
- Other adverse effects** : Not expected to pose a significant ecological hazard.

Section 13 – Disposal Considerations

Disposal methods:

Transfer to an approved disposal area in accordance with national, state and local regulations. Recycling uncontaminated packaging recommended.

Package must be recycled in compliance with national legislation and environmental regulations.

Section 14 - Transport Information

Regulatory information	UN number	Class	Packing group	Label	Additional information
DOT	-	-	-	-	-
ADR / RID	-	-	-	-	-
IMDG CODE	-	-	-	-	-
ICAO / IATA	-	-	-	-	-

Section 15 - Regulatory Information

US Toxic Substances Control Act

All components of this product are on the TSCA Inventory or are exempt from TSCA Inventory requirements under 29 CFR 1910.1200.

HMIS -USA

Health - 0, Flammability - 1, Reactivity - 0

National Fire Protection Association - USA

Health - 0, Flammability - 1, Reactivity - 0

European Inventory of Existing Commercial Chemical Substances (EINECS)

The components of this product are on the EINECS inventory or are exempt from inventory requirements.

EU Directives 67/548/EEC, 1999/45/EC and Regulation (EC) No 1272/2008

The product is not classified as dangerous for supply according to the Regulation (EC) No 1272/2008 and the EC directive 67/548/EEC and 1999/45/EC.

Canada - WHMIS

Material is not controlled under WHMIS.

Section 16 - Other Information

DOT	:	Department of Transportation
ADR	:	European agreement concerning the international carriage of dangerous goods by road.
RID	:	Regulations concerning the international carriage of dangerous goods by rail.
IMDG - CODE	:	International maritime dangerous goods code
ICAO	:	International Civil Aviation Organization
IATA	:	International air transport association
GHS	:	Globally Harmonized System of Classification and Labeling of Chemicals
WHMIS	:	Workplace Hazardous Materials Information System

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