Safety Data Sheet

According to UN GHS, -Guidance on the Preparation of SDS - Version:1.0

Product name: Flame retardant **SDS.No**: Proflame0003
Effective Date: 22/06/2025 **Revision date:** 22/06/2025

SECTION 1:Identification of the substance/mixture and of the supplier

GHS product identifier

Product name: Flame retardant

Recommended use of the chemical and restrictions on use

Recommended use: The product is mainly used as flame retardant in plastics, coatings, wood, paper
Restriction on use: No information available.

Supplier's details

Supplier, contact and emergency details removed.

Section 4 ingestion instructions require verification before use.

SECTION 2:Hazards identification

GHS Classification

Skin irritation (Category 2)
Eye irritation (Category 2A)
Specific target organ toxicity - single exposure (Category 3), Respiratory system

Hazard statement(s)

H315	Causes skin irritation.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.

Precautionary statement(s)

P261	Avoid breathing dust/fume/gas/mist/vapors/spray.
P264	Wash skin thoroughly after handling.
P271	Use only outdoors or in a well-ventilated area.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P302+P352	If on skin: Wash with plenty of soap and water.
P304+P340	If inhaled: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305+P351+P338	If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P312	Call a poison center or doctor if you feel unwell.
P321	Specific treatment (see supplemental first aid instructions on this label).

P332+P313	If skin irritation occurs: Get medical advice/attention.
P337+P313	If eye irritation persists: Get medical advice/attention.
P362	Take off contaminated clothing and wash before reuse.
P403+P233	Store in a well-ventilated place. Keep container tightly closed.
P405	Store locked up.
P501	Dispose of contents/container to an approved waste disposal plant.

Hazards not otherwise classified (HNOC) or not covered by GHS

None

SECTION 3:Composition/information on ingredients

Component.	CAS-No	Weight
Ammonium Polyphosphate	68333-79-9	60%
Melamine Cyanurate	37640-57-6	40%

SECTION 4:First-aid measure

Eye contact:

Gently rinse the affected eyes, including under the eye-lids, with clean water for at least 15 minutes. Remove contact lenses if easily possible. Refer for medical attention.

Skin contact:

Remove all contaminated clothing shoes and socks from the affected areas as quickly as possible. Wash the affected areas under tepid running water using a mild soap. If irritation persists, refer to a physician.

Inhalation:

remove the victim from the contamination immediately to fresh air, if breathing is weak, irregular or has stopped, open his airway. Loosen his collar and belt and administer artificial respiration, and refer for medical attention.

Ingestion:

Do not induce vomiting. If the person is alert and can rinse safely, rinse the mouth.
Do not give anything by mouth to an unconscious person.
Contact a poison center or physician promptly for instructions.

Review edit for this draft. Confirm against the current SDS for this exact mixture.

Sources Ammonium polyphosphate SDS Melamine cyanurate SDS Poison Control

SECTION 5: Fire-fighting measures

Extinguishing media: Dry chemical powder, foam, carbon, dioxide or water spray

Specific Hazards with regards to Fire-fighting measures:
Toxic gases(carbon monoxide) will form upon combustion.

SECTON 6: Accidental release measures

Environmental Precautions:

This product may promote algae growth in waterways. Use and disposal, employing proper environmental control practices should not cause significant environmental impact.

Steps to be taken in case material is released or spilled:
Contain spills and maximize recovery. Small spills can be absorbed in sand, kitty litter or other absorbent. For large spills, dike area and reclaim liquid. Absorb unreclaimed liquid and wash area with water. Keep out of sewers, drinking water and all waterways.

SECTION 7:Handing and storage

Precautions to be taken in handling and storing:
Avoid using containers, pipes and fittings made of zinc-clad or copper bearing alloys. Storage in open containers may result in formation of an ammonium polyphosphate solid on walls. Avoid contact with skin and eyes.

SECTION 8:Exposure controls/personal protection

Ventilation Protection: Good ventilation practice should be exercised.

Respiratory Protection: None required under normal conditions.

Protective Clothing: Clean work clothing and rubber coated gloves. Minimize skin exposure. Eye

Protection: Safety glasses or chemical splash-proof goggles.

Other: Eyewash fountain and safety shower in area.

SECTION 9: Physical and chemical properties

Boiling Point: None

Solubility in Water: Insoluble

Specific Gravity: 1.43
at 60℃ of % Volatiles (by volume): Not applicable

Flashpoint: Non-flammable

Vapor Pressure, mm Hg: Not applicable
PH: 6.5－8.5

Reaction with Water: None

Appearance: White powder

Extinguishing Media: Non-flammable.

SECTION 10: Stability and reactivity

Stability (Normal Conditions): Stable

Conditions to Avoid: None listed

Incompatibility (Material to Avoid): Zinc-clad and copper bearing alloys.

Hazardous Decomposition Products: Ammonia, POx and NOx.

Hazardous Polymerization: Will not occur

SECTION 11: Toxicological information

Acute Oral Toxicity: LD50 (rat) is greater than 2,000 mg/kg (ppm); not acutely toxic by oral exposure.

(TFI Product Testing Results, OECD Guideline 425)

Acute Dermal Toxicity: LD50 (rat) is greater than 5,000 mg/kg (ppm); not acutely toxic by dermal exposure. (TFI Product Testing Results, OECD Guideline 402).

Acute Aquatic Toxicity: Fish 96-hour (rainbow trout) LC50 is greater than 101 mg/L. Non-toxic to aquatic organisms. (TFI Product Testing Results)

SECTION 12: Ecological information

Ecotoxicity: No data available.

Persistence and degradability: No data available.

Bioaccumulative potential: No data available.

Mobility in soil: No data available.

Other adverse effects: No data available.

SECTION 13:Disposal considerations

Waste Disposal Procedures:

Contain spills and maximize recovery. Disposal of spilled material should be in accordance with applicable federal, state and local environmental regulatory requirements. Use as a fertilizer by applying to soil using good agricultural and soil management.

SECTION 14:Transport information

DOT (United States)

UN number: Not applicable.

Proper shipping name: Not applicable.

Transport hazard class: Not applicable.

Packing group: Not applicable.

IATA

UN number: Not applicable.

Proper shipping name: Not applicable.

Transport hazard class: Not applicable.

Packing group: Not applicable.

SECTION 15:Regulatory information

TSCA Chemical Inventory:

This product is on the EPA Toxic Substance Control Act (TSCA) inventory. The product is supplied solely for use in research and development by or under the supervision of a technically qualified individual as defined in 40 CFR 720 et seq. The health risks have not been fully determined. Any information that is or becomes available will be supplied on the SDS.

California

Proposition 65: Not listed.

NFPA Rating:

Health: No data available.

Flammability: No data available.

Instability: No data available.

Shipping name: Not regulated by D.O.T.

Hazard Class: None

C.A.S. Number: See "Ingredients"

Reportable Quantity (RQ): None
D.O.T. Number: None
Labels Required: None
Haz Waste No: None
Placard: None
EPA Regist No: None

This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006 COMMISSION REGULATION (EU) 2020/878 amending Annex II to Regulation (EC) No 1907/2006

SECTION 16:Other information,including date of preparation or last revision

Supplier contact details removed.

Disclaimer:

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal, and release. The information in the sheet was written based on the best knowledge and experience currently available.

----------End of the SDS----------