



Poly-Plast™ Excel

1. Identification

Product Name: Poly-Plast™ Excel

Item #: 9337

Web SDS: S83

Synonyms: No information available.

Recommended Use: Laboratory chemicals.

Restrictions on Use: No Information available

Manufacturer:

BBC Biochemical
409 Eleanor Lane,
Mount Vernon, WA 98273
1-800-635-4477

In Case of Emergency:

Chemtec US 1-800-424-9300
Chemtec International 703-527-3887

2. Hazards Identification

OSHA Hazard Classification(s):

Specific Target Organ Toxicity (single exposure) - Category 3

Signal Word: Warning

Hazard Statement(s): May cause respiratory irritation

Pictogram(s):



Precautionary Statement(s):

Prevention: Avoid breathing dust/fume/gas/mist/vapors/spray Use only outdoors or in a well-ventilated area

Inhalation: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing Call a POISON CENTER or doctor/physician if you feel unwell

Storage: Store in a well-ventilated place. Keep container tightly closed Store locked up

Disposal: Dispose of contents/container to an approved waste disposal plant

Descriptions of Hazards not otherwise classified: Toxic to aquatic life with long lasting effects

Percent of mixture with unknown acute toxicity: N/A

3. Composition and Information on Ingredients

Chemical Name	Common Name	CAS #	Concentration %
Paraffin waxes and Hydrocarbon waxes		8002-74-2	75-80
Polyisobutylene		9003-27-4	3-5
2,6-Di-tert-butyl-p-cresol		128-37-0	10-15
Dimethyl sulfoxide		67-68-5	Less than 1

4. First Aid Measures

Eye Contact: Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.

Skin Contact: Wash off immediately with plenty of water for at least 15 minutes.

Inhalation: Move to fresh air.

Ingestion: Do not induce vomiting.

Symptoms: No information available.

Recommendations for immediate medical care/special treatment: Treat symptomatically

5. Fire- Fighting Measures

Extinguishing Media: Water spray. Carbon dioxide (CO₂). Foam. Water.

Fire Hazards (Chemical): Flash Point 204.4 °C / 399.9 °F

Special Protective Equipment: As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH



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(approved or equivalent) and full protective gear.

Precautions for Firefighters: Keep product and empty container away from heat and sources of ignition.

6. Accidental Release Measures

Emergency Procedures: Evacuate the area of all unnecessary personnel. Wear suitable protective equipment. Eliminate all sources of ignition and provide ventilation.

Protective Equipment: Ensure adequate ventilation.

Environmental Precautions: See Section 12 for additional ecological information. Avoid release to the environment. Collect spillage.

Containment and Clean-Up Procedures: Avoid dust formation. Sweep up or vacuum up spillage and collect in suitable container for disposal.

7. Handling and Storage

Handling: Ensure adequate ventilation.

Storage: Keep containers tightly closed in a dry, cool and well-ventilated place.

8. Exposure Controls/Personal Protection

OSHA Permissible Exposure Limits (PELs):

Reagent	CAS #	OSHA PEL TWA
Paraffin waxes and Hydrocarbon waxes	8002-74-2	(Vacated) TWA: 2 mg/m ³
2,6-Di-tert-butyl-p-cresol	128-37-0	(Vacated) TWA: 10 mg/m ³

ACGIH Threshold Limit Values (TLVs):

Reagent	CAS #	ACGIH PEL TLV	ACGIH STEL
Paraffin waxes and Hydrocarbon waxes	8002-74-2	TWA: 2 mg/m ³	N/A
2,6-Di-tert-butyl-p-cresol	128-37-0	TWA: 2 mg/m ³	N/A

Engineering Controls: Ensure adequate ventilation, especially in confined areas.

Personal Protective Measures:

Eye/face Protection: Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

Skin and body protection: Wear appropriate protective gloves and clothing to prevent skin exposure.

Respiratory Protection: Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

Hygiene Measures: Handle in accordance with good industrial hygiene and safety practice.

Special PPE Requirements: If ventilation hood not available wear respirator.

9. Physical and Chemical Properties Section

Appearance: White, Solid

Molecular Weight: N/A

Molecular Formula: N/A

pH: N/A

Boiling Point and Boiling Range: 315.5 °C / 599.9 °F

Melting Point/Freezing Point: 56-57 °C / 131-134.6 °F

Flash Point: 204.4 °C / 399.9 °F

Specific Gravity/Relative Density: N/A

Odor: Slight

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Odor Threshold: N/A
Color: White
Flammability (solid/gas): N/A
Vapor Density: N/A
Upper/Lower flammability or explosive limits: N/A
Vapor Pressure: N/A
Evaporation Rate: N/A
Partition Coefficient: n-octanol/water: N/A
Viscosity: N/A
Auto-ignition temperature: N/A
Solubility: N/A
Decomposition Temperature: N/A

10. Stability and Reactivity

Reactivity: None known, based on information available
Chemical Stability: Stable
Conditions of Stability/Instability: Stable under normal conditions.
Stabilizers needed: None
Safety issue indicated by appearance change: N/A
Other: N/A
Hazardous Reactions: None under normal processing.
Hazardous Polymerization: Hazardous polymerization does not occur.
Conditions to avoid: Incompatible products.
Classes of Incompatible Materials: Strong oxidizing agents
Hazardous Decomposition Products: None under normal use conditions

11. Toxicological Information**Likely Routes of Exposure**

Eyes: Irritation.
Skin: Irritation.
Inhalation: Dizziness, headache.
Ingestion: Nausea.

Signs or Symptoms of Exposure: Nausea.

Effects from short term exposure (delayed, immediate, chronic): Irritation to the eyes, nose, throat; headache, dizziness, nausea.

Acute Toxicity (Numerical Measures):

Oral LD50 : Based on ATE data, the classification criteria are not met. ATE > 2000 mg/kg.
Dermal LD50 : Based on ATE data, the classification criteria are not met. ATE > 2000 mg/kg.
Mist LC50 : Based on ATE data, the classification criteria are not met. ATE > 5 mg/l.

Component: 2,6-Di-tert-butyl-p-cresol
LD50(oral,rat)=890mg/kg, LD50(oral,rat)=>2000mg/kg;
LD50 Dermal=not listed;
LD50 Inhalation=not listed

Carcinogenicity (NTP, IARC, OSHA): No ingredients are listed as carcinogens under IARC, NTP, ACGIH, OSHA, Mexico

12. Ecological Information**Ecotoxicity:**

2,6-Di-tert-butyl-p-cresol:
Freshwater Algae: EC50=0.758 mg/L 96h ; EC50=6 mg/L 72h



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Freshwater Fish: LC50=0.199mg/L 96h
Microtox: EC50=7.82 mg/L 5min ; EC50=8.57 mg/L 15min ; EC50=8.98 mg/L 30min
Water Flea: EC50>0.31mg/L 48h

Dimethyl sulfoxide:

Freshwater Algae: EC50=12350-25500 mg/L 96h
Freshwater Fish: LC50=40g/L 96h ; LC50=33-37g/L 96h
Microtox: EC50=16000mg/L 16h (Pseudomonas putida) ; EC50=32g/L 24h (Tetrahymena pyriformis) ; #C50=77mg/L 5min (Photobacterium phosphoreum)
Water Flea: EC50=7000mg/L 24h

Persistence and degradability: No information available

Bioaccumulation Potential (octanol-water partition coefficient, BCF): No information available.

Mobility in the soil:

2,6-Di-tert-butyl-p-cresol: log Pow=4.17

Dimethyl sulfoxide: log Pow= -2.03

Adverse Environmental Effects: N/A

13. Disposal Considerations

Recommended Disposal Containers: Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. Chemical waste generators must also consult local, regional, and national hazardous waste regulations to ensure complete and accurate classification.

Recommended Disposal Methods: Do not dispose of in drains, check with your local waste authorities.*

Physical/Chemical Properties affecting Disposal: See section 2 and section 9 applicable information.*

Special Precautions for Landfill and Incineration Activities: Check with your local waste authorities.*

Waste Stream: Consult your local or regional authorities.*

14. Transport Information

UN Number: Not regulated

UN Proper Shipping Name:

Transport Hazard Class(es):

Packing Group Number:

Environmental Hazards (IMDG code):

Marine Pollutant:

Transport in Bulk (IBC Code):

Special Transport Precautions:

15. Regulatory Information

OSHA: N/A

DOT: Not regulated.

EPA: N/A

CPSC: N/A



Safety Data Sheet

Poly-Plast™ Excel

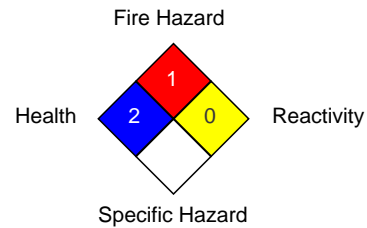
16. Other Information

Revision Date: 04/13/2015

NFPA

Health	2
Fire Hazard	1
Reactivity	0
Specific Hazard	

National Fire Protection Association (USA) NFPA



HMIS

Health	2
Flammability	1
Physical Hazard	0
Personal Protection	

Hazardous Material Information System HMIS

Health	2
Flammability	1
Physical Hazard	0
Personal Protection	

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