

Polymer Add (Thailand) Co.,Ltd.

Office - 106, Chalarempriakiat, Lor 9, Soi 22, Yak 5, Nongbon, Prawet, Bangkok, Thailand 10250

Factory - 188/3, Moo 8, Tambon Bangpu Mai, Amphoe Muang Samut Prakan, Samutprakan, Thailand 10280

Mobile - Thai : 0804531391, English: 0839415475, E-mail – contact@polymeradd.co.th



MATERIAL SAFETY DATA SHEET

ANTIOXIDANT 1024

1. Identification

Item	Details
Product name	Antioxidant 1024
Chemical name	N,N'-Bis[3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionyl]hydrazine
CAS No.	32687-78-8
Recommended use	Polymer antioxidant and metal deactivator
Supplier	Polymer Add (Thailand) Co., Ltd.
Email	contact@polymeradd.co.th

2. Hazard identification

Signal word: Warning. Powder dispersed in air may form a combustible dust concentration. Avoid generating dust and keep away from ignition sources. No hazard pictogram is assigned in the referenced commercial SDS.

3. Composition/information on ingredients

Component	CAS No.	Description
Antioxidant 1024	32687-78-8	Principal substance

4. First-aid measures

Exposure	Action
Inhalation	Move the person to fresh air. Seek medical attention if symptoms persist.
Skin contact	Wash with soap and water.
Eye contact	Rinse carefully with water for at least 15 minutes. Remove contact lenses if easy to do.
Ingestion	Rinse mouth. Do not induce vomiting. Seek medical attention.

5. Fire-fighting measures

Use dry powder, foam, carbon dioxide or water spray. Avoid a strong water jet that could disperse powder. Fire or thermal decomposition may produce carbon oxides and nitrogen oxides. Firefighters should wear self-contained breathing apparatus.

6. Accidental release measures

Keep people away from airborne dust and ignition sources. Use suitable protective equipment and collect spilled material mechanically or with equipment suitable for combustible dust. Avoid release to drains and waterways.

Polymer Add (Thailand) Co.,Ltd.

Office - 106, Chalarempriakiat, Lor 9, Soi 22, Yak 5, Nongbon, Prawet, Bangkok, Thailand 10250

Factory - 188/3, Moo 8, Tambon Bangpu Mai, Amphoe Muang Samut Prakan, Samutprakan, Thailand 10280

Mobile - Thai : 0804531391, English: 0839415475, E-mail – contact@polymeradd.co.th



7. Handling and storage

Avoid breathing dust and creating airborne dust clouds. Use ventilation and control static discharge during powder transfer. Store in sealed containers in a cool, dry place, away from heat, sunlight and oxidising agents.

8. Exposure controls/personal protection

Use local exhaust ventilation where dust is generated. Wear safety glasses, protective gloves and suitable work clothing. Use appropriate particulate respiratory protection when ventilation does not adequately control dust.

9. Physical and chemical properties

Property	Information
Appearance	White to off-white powder
Odour	Odourless
Melting range	224–229 °C
Density	Approximately 1.11 g/cm ³ at 20 °C
Water solubility	Very low
Molecular weight	552.79 g/mol
Dust behaviour	Airborne powder may form combustible dust concentrations

10. Stability and reactivity

Stable under recommended storage conditions. Avoid excessive heat, ignition sources, dust accumulation and strong oxidising agents. Thermal decomposition may produce carbon oxides and nitrogen oxides.

11. Toxicological information

Available commercial safety data do not classify AO 1024 for acute toxicity, skin irritation, eye irritation or skin sensitisation. Dust exposure may cause mechanical discomfort to the eyes or respiratory tract. Reported oral LD50 in rats is **>7,000 mg/kg**.

12. Ecological information

Avoid release to the environment. The substance is reported as **not readily biodegradable**.

13. Disposal considerations

Dispose of product waste and contaminated packaging according to applicable local requirements. Prevent dust generation during collection and disposal.

14. Transport information

Not classified as dangerous goods under the DOT, ADR/RID, IMDG or IATA transport classifications reported in the commercial safety data.

Polymer Add (Thailand) Co.,Ltd.

Office - 106, Chalarempriakiat, Lor 9, Soi 22, Yak 5, Nongbon, Prawet, Bangkok, Thailand 10250

Factory - 188/3, Moo 8, Tambon Bangpu Mai, Amphoe Muang Samut Prakan, Samutprakan, Thailand 10280

Mobile - Thai : 0804531391, English: 0839415475, E-mail – contact@polymeradd.co.th



15. Regulatory information

Determine the requirements for the destination market and intended polymer application before use.

16. Other information

This MSDS describes AO 1024 identified by **CAS 32687-78-8**. The technical specification and safety information should be read together.

Creation date: September 2026

Review date: September 2028

POLYMERADD