



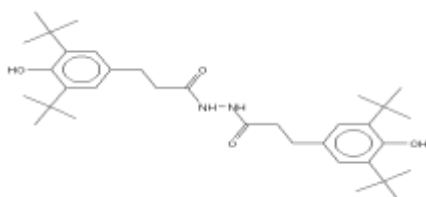
Entrada 200 Unit 203 tel.: 31 20 4166638
 1114 AA Amsterdam-Duivendrecht fax: 31 20 5241356
 The Netherlands email : sales@hunan-chem.com

www.hunan-chem.com

Trade registration nr. 50769421 Chamber of Commerce Amsterdam

Technical Data Sheet

Product name: AO-1024
Product form: Crystalline powder
Chemical name: 2',3-bis[[3-[3,5-di-tert-butyl-4-hydroxyphenyl]propionyl]]
 propionohydrazide
Synonym: Irganox@MD1024
CAS No: 32687-78-8
EINECS No: 251-156-3
Chemical formula: C₃₄H₅₂O₄N₂
Formula weight: 553
Chemical Structure:



Producing routine:

Hydrazine + methyl 3,5-di-t-butyl-4-hydroxyphenyl-propionate = 1024

Quality norm: technical grade

Specification

Appearance:	White granular
Assay (%):	99.0 min.
Melting point (°C):	224-229
Volatiles (%):	0.5 max.
Ash (%):	0.1 max.
Transmittance (%):	
425 nm	97.0 min.
500 nm	98.0 min.

Packaging:

In 25/20kg net bag or carton or drum or 250kg net bulk bag on pallet as customer requires.

Characterization:

AO-1024 is a metal deactivator and primary (phenolic) antioxidant.

Applications:

Polyethylene wire and cable resins
 Filled polyolefins
 Polyolefins in contact with copper

NBR fuel hoses
X-SBR
SBR
Styrene homo- and copolymers

Features/benefits:

As the world's most widely applied metal deactivator for telecommunications wire and cable, AO-1024 provides unmatched extraction resistance and processing stabilization. Used alone, or with other phenolic antioxidants, such as AO-1010. AO-1024 is recommended for the stabilization of polymers in contact with copper both during processing and long-term service.

Product forms

Appearance: White to slightly yellowish crystalline powder

Guidelines for use

For any application in contact with copper during processing or long-term service:

0.1-0.2% AO-1024.

Physical Properties:

Melting Range (°C)	221-232 °C
Flashpoint (°C)	> 180
Specific Gravity (20°C)	1.11 g/cm ³
Vapor Pressure (20°C)	ca. 1x10 ⁻¹⁰ Pa
Bulk density	320-380 g/l
Solubility (20°C)	g/100g solution
Acetone	4
Benzene	0.1
Chloroform	0.4
n-hexane	< 0.01
Methanol	4
Water	< 0.01

Handling & Safety:

In accordance with good industrial practice, handle with care and prevent contamination of the environment. Avoid dust formation and ignition sources.

For more detailed information please refer to the material safety data sheet.

Registration:

AO-1024 is listed on the following Inventories:

Australia	AICS
Canada	DSL
China	IECSC
Europe	EINECS
Japan	ENCS
Korea	ECL
New Zealand	TSA
Philippines	PICCS
Switzerland	BUWAL
USA	TSCA

AO-1024 is approved in many countries for use in food contact applications.

For detailed information please contact us.

IMPORTANT:

The following supersedes Buyer's documents. SELLER MAKES NO REPRESENTATION OR WARRANTY, EXPRESS OR IMPLIED, INCLUDING OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. No statements herein are to be construed as inducements to infringe any relevant patent. Under no circumstances shall Seller be liable for incidental, consequential or indirect damages for alleged negligence, breach of warranty, strict liability, tort or contract arising in connection with the product(s). Buyer's sole remedy and Seller's sole liability for any claims shall be Buyer's purchase price. Data and results are based on controlled or lab work and must be confirmed by Buyer by testing for the intended conditions of use. The product(s) has (have) not been tested for, and is (are) therefore not recommended for, uses for which prolonged contact with mucous membranes, abraded skin, or blood is intended; or for uses for which implantation within the human body is intended.