

OXONE MONOPERSULFATO POTASICO

Ref.: P-ESP-CV-5574

Rev.: 3 - Fecha: 09/05/2018

Distribuido por: CRESPO Y USÓ, S.A.

info@cruso.es

C/Mossen Vicent Musoles, 7 | 12530 BURRIANA

Tel EMERGENCIAS: 93 236 36 36

www.tiendapiscina.com | www.cruso.es

LANXESS
Energizing Chemistry**Product Specification**LANXESS Deutschland GmbH
Business Unit Material Protection Products
D-50569 CologneSpec. no. 57747505
Issue 003
Date 2017-06-19

Page 1 of 3

**OXONE™ PS – 16
MONOPERSULFATE COMPOUND**

CAS no.	70693-62-8
Chemical Description	Pentapotassium bis(peroxymonosulphate) bis(sulphate)
Common Name	Oxone™ PS - 16 MONOPERSULFATE COMPOUND
Empirical Formula	H ₃ K ₅ O ₁₈ S ₄
Structural Formula	K ₅ (HSO ₅) ₂ ·HSO ₄ ·SO ₄

Description

White, granular, free-flowing powder

Specification

Characteristic	Specification	Unit
01. Appearance	Complies	
Visual Description		
02. Active Oxygen	≥ 4.50	%
Iodometric Titration		
OP 960		
03. Free Moisture	≤ 0.10	%
Moisture Balance Method		
OP 968		
04. Particle Size		
# 16 (1180 µm):	99 – 100	% Pass thru
# 20 (850 µm):	80 – 100	
# 30 (600 µm):	63 – 100	
# 100 (150 µm):	5 – 33	
# 200 (75 µm):	0 – 10	
# 325 (45 µm):	0 – 3	
Dry Screening		
OP 902		

Specification values are subject to constant monitoring

Replaces Issue: 002

Reason: Analytical method reference codes updated

Product Specification

LANXESS Deutschland GmbH	Spec. no.	57747505
Business Unit Material Protection Products	Issue	003
D-50569 Cologne	Date	2017-06-19

Page 2 of 3

OXONE™ PS - 16 MONOPERSULFATE COMPOUND

Physical Properties

Characteristic	Typical Value	Unit
Typical Active Oxygen	4.7	%
Bulk Density	75 – 87	lb/ft ³
	1.20 – 1.40	g/cm ³
pH of 1% Solution at 25 °C (77 °F)	2.3	
pH of 3% Solution at 25 °C (77 °F)	2.0	
Solubility at 20 °C (68 °F) / 100 g H ₂ O	29.8	g
Standard Electrode Potential (E°)	+1.85	V
Heat of Decomposition	251	kJ/kg
Molecular weight	614.77	g/mol

Storage

Oxone™ PS - 16 MONOPERSULFATE COMPOUND should be stored in cool, dry areas, away from combustible materials, incompatible chemicals and sources of heat, such as space heaters and light fixtures. Prolonged storage at ambient temperatures greater than 32 °C (90 °F) should be avoided.

Oxone™ PS - 16 MONOPERSULFATE COMPOUND decomposition will be accelerated on contact with moisture. Product packaging includes a water- resistant liner, but storage conditions should also include provisions for prevention of contact with water, including high airborne humidity.

When stored under recommended environmental conditions (cool dry environment, T < 32 °C (90 °F), RH < 50 %), and in original moisture-barrier packaging, a shelf life of one year from the date of production can be expected. That is, the product will still be free-flowing and have an active oxygen content of at least 4.50 %. When not stored under recommended conditions, product caking and significant AO loss can occur in the 6 - 12 month time frame.

Product specification

LANXESS Deutschland GmbH	Spec. no.	57747505
Business Unit Material Protection Products	Issue	003
D-50569 Cologne	Date	2017-06-19

Page 3 of 3

OXONE™ PS – 16 **MONOPERSULFATE COMPOUND**

Further Information

The safety data sheet 57747505 should be observed. This contains information on labelling, transport and storage as well as information on handling, product safety and ecology. For additional technical information see “General Technical Attributes” and “Product Safety and Handling”.

Use biocides safely. Always read the label and product information before use.

This information, with the exception of the data given in section „Specification“, and our technical advice - whether verbal, in writing or by way of trials - are given in good faith but without warranty, and this also applies where proprietary rights of third parties are involved. Our advice does not release you from the obligation to check its validity and to test our products as to their suitability for the intended processes and uses. The application, use and processing of our products and the products manufactured by you on the basis of our technical advice are beyond our control and, therefore, entirely your own responsibility. Our products are sold in accordance with our General Conditions of Sale and Delivery.

©2017 LANXESS. Oxone™ and any associated logos are trademarks or copyrights of LANXESS Corporation. LANXESS™ and the LANXESS Logo are trademarks of LANXESS Deutschland GmbH. All trademarks are registered in many countries worldwide.

Replaces Issue: 002

Reason: Analytical method reference codes updated