



According to (EC) 1907/2006/CE (REACH), 453/2010/EC, 2015/830/EU

ACTIVATOR OXHIDER GREEN

Fecha de Revision 06.02.2018

Fecha de Impresion 17.12.2018

SECTION 1: Identification of the substance/mixture and of the company/undertaking**Product identifiers****Product Name : ACTIVATOR OXHIDER GREEN****Relevant identified uses of the substance or mixture and uses advised against**

Identified uses : Coating additive

Details of the supplier of the safety data sheet

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SECTION 2: Hazards identification**Classification of the substance or mixture****Classification according to Regulation (EC) No 1272/2008**

Skin corr. 1B - H314 – Causes severe skin burns and eye damage

Eye Dam 1.- H318 – Causes serious eye damage.

Aquatic Chronic 2.- H411 – Toxic to aquatic life with long lasting effects

For the full text of the H-Statements mentioned in this Section, see Section 16.

Label elements**Labelling according Regulation (EC) No 1272/2008**

Pictogram

Signal word **Danger**

Hazard statement(s)

H314 – Causes severe skin burns and eye damage**H318** – Causes serious eye damage.**H411** – Toxic to aquatic life with long lasting effects

Precautionary statement(s)

P101 – If medical advice is needed, have product container or label at hand.**P102** – Keep out of reach of children**P264** – Wash ... thoroughly after handling**P280** – Wear protective gloves/protective clothing/eye protection/face protection.**P301 + P330 + P331** – IF SWALLOWED: rinse mouth. Do NOT induce vomiting**P303 + P361 + P353** – IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.**P305 + P351 + P338** – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing**P501** – Dispose of contents/container to in accordance with current legislations


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Supplemental Hazard Statements

Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.
Lachrymator.

SECTION 3: Composition/information on ingredients
3.2 Mixtures

Inorganic acid salts

Hazardous ingredients according to Regulation (EC) No 1272/2008

Component	Classification	Concentration
Cu.H2-O4-S.5H2-O		
CAS-No. 7758-99-8 EC-No. 231-847-6 Index-No. 029-004-00-0	AcuteTox.4; SkinIrrit.2; Eye Irrit.2; AquaticAcute1; AquaticChronic1; H302, H315, H319, H400, H410 M-Factor-AquaticAcute:10	>=2-<10%
2,3-Dihydroxysuccinic acid		
CAS-No. 87-69-4 EC-No. 201-766-0	Eye Dam. 1; H318	>=2-<10%
2,2,2"-Nitrilotriethanol		
CAS-No. 102-71-6 EC-No. 203-049-8		>=2-<10%
Component	Classification	Concentration

For the full text of the H-Statements mentioned in this Section, see Section 16.

SECTION 4: First aid measures
Description of first aid measures
General advice

Consult a physician. Show this safety data sheet to the doctor in attendance.

If inhaled

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

In case of skin contact

Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water. Consult a physician.

In case of eye contact



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Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

If swallowed

Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

Indication of any immediate medical attention and special treatment needed

No data available

SECTION 5: Firefighting measures

Extinguishing media Suitable

extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Special hazards arising from the substance or mixture

Nitrogen oxides (NO_x)

Advice for firefighters

Wear self-contained breathing apparatus for firefighting if necessary.

Further information

No data available

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Avoid breathing vapours, mist or gas. Ensure adequate ventilation.

Evacuate personnel to safe areas.

For personal protection see section 8.

Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

Methods and materials for containment and cleaning up

Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal.

Reference to other sections

For disposal see section 13.

SECTION 7: Handling and storage

Precautions for safe handling

Always open containers slowly to allow any excess pressure to vent. Avoid contact with skin and eyes.

Avoid inhalation of vapour or mist.

For precautions see section 2.2.

Conditions for safe storage, including any incompatibilities



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Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

May develop pressure. Refrigerate before opening. Handle and open container with care.
 Storage class (TRGS 510): Non-combustible, corrosive hazardous materials

Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

SECTION 8: Exposure controls/personal protection

Control parameters

Exposure controls

DNEL (Trabajadores): No relevante

DNEL (Población): No relevante

PNEC:

Identificación				
CAS: 7758-99-8	STP	0,23 mg/L	Agua dulce	0,0078 mg/L
CE: 231-847-6	Suelo	65 mg/kg	Agua salada	0,0052 mg/L
	Intermitente	No relevante	Sedimento (Agua dulce)	87 mg/kg
	Oral	No relevante	Sedimento (Agua salada)	676 mg/kg

Appropriate engineering controls

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Personal protective equipment

Eye/face protection

Tightly fitting safety goggles. Faceshield (8-inch minimum). Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

Full contact

Material: butyl-rubber

Minimum layer thickness: 0.3 mm

Break through time: 480 min

Material tested: Butoject® (KCL 897 / Aldrich Z677647, Size M)

Splash contact

Material: Nitrile rubber

Minimum layer thickness: 0.11 mm



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- q) Decomposition temperature
- r) Viscosity No data available
- s) Explosive properties No data available
- t) Oxidizing properties No data available

Other safety information

Relative vapour density No data available

SECTION 10: Stability and reactivity

Reactivity

No data available

Chemical stability

Stable under recommended storage conditions.

Possibility of hazardous reactions

No data available

Conditions to avoid

No data available

Incompatible materials

Copper, Iron, Zinc

Hazardous decomposition products

Hazardous decomposition products formed under fire conditions. - Nitrogen oxides (NOx)

Other decomposition products - No data available

In the event of fire: see section 5

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Identificación	Toxicidad aguda		Género
CAS: 7758-99-8 CE: 231-847-6	DL50 oral	482 mg/kg	Rata
	DL50 cutánea	2000 mg/kg	
	CL50 inhalación	No relevante	

Identificación	Toxicidad aguda		Género
CAS: 87-69-4 CE: 201-766-0	DL50 oral	2000 mg/kg	Rata
	DL50 cutánea	2000 mg/kg	Rata
	CL50 inhalación	No relevante	

Identificación	Toxicidad aguda		Género
CAS: 102-71-6 CE: 203-049-8	DL50 oral	2250 mg/kg	Rata
	DL50 cutánea	No relevante	Rata
	CL50 inhalación	No relevante	



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Remarks: Gastrointestinal:Other changes. Liver:Other changes. Kidney, Ureter, Bladder:Other changes.

Skin corrosion/irritation

No data available

Serious eye damage/eye irritation

No data available

Respiratory or skin sensitisation

No data available

Germ cell mutagenicity

No data available

Carcinogenicity

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

Reproductive toxicity

No data available

Specific target organ toxicity - single exposure

No data available

Specific target organ toxicity - repeated exposure

No data available

Aspiration hazard

No data available

Additional Information

RTECS: Not available

burning sensation, Cough, wheezing, laryngitis, Shortness of breath, spasm, inflammation and edema of the larynx, spasm, inflammation and edema of the bronchi, pneumonitis, pulmonary edema, Material is extremely destructive to tissue of the mucous membranes and upper respiratory tract, eyes, and skin. (Ammonium hydroxide)

SECTION 12: Ecological information

Toxicity

Identificación	Toxicidad aguda		Especie	Género
CAS: 7758-99-8 CE: 231-847-6	CL50	No relevante	Oncorhynchus mykiss	Pez
	CE50	0,024 mg/L (48 h)	Daphnia magna	Alga
	CE50	No relevante		Crustáceo
Identificación	Toxicidad aguda		Especie	Género
CAS: 87-69-4 CE: 201-766-0	CL50	51,4 mg/L (72 h)	Oncorhynchus mykiss	Pez
	CE50	93,1 mg/L (48 h)	Daphnia magna	Alga
	CE50	No relevante		Crustáceo
Identificación	Toxicidad aguda		Especie	Género
CAS: 102-71-6 CE: 203-049-8	CL50	No relevante	Oncorhynchus mykiss	Pez
	CE50	609,98 mg/L (48 h)	Daphnia magna	Alga
	CE50	No relevante		Crustáceo



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Persistence and degradability

No data available

Bioaccumulative potential

No data available

Mobility in soil

No data available (Ammonium hydroxide)

Results of PBT and vPvB assessment

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

Other adverse effects

Very toxic to aquatic life.

No data available

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Código	Descripción	Tipo de residuo (Reglamento (UE) nº 1357/2014)
16 03 03*	Inorganic wastes containing dangerous substances	Dangerous

Product

HP14 Ecotóxico, HP4 Irritante — irritación cutánea y lesiones oculares, HP8 Corrosivo

Contaminated packaging

Dispose of as unused product.

SECTION 14: Transport information

14.1 UN number

ADR/RID: 1760

IMDG: 1760

IATA: 1760

14.2 UN proper shipping name

ADR/RID: CORROSIVE LIQUID

IMDG: CORROSIVE LIQUID

IATA: CORROSIVE LIQUID

14.3 Transport hazard class(es)

ADR/RID: 8

IMDG: 8

IATA: 8

14.4 Packaging group

ADR/RID: III

IMDG: III

IATA: III

14.5 Environmental hazards

ADR/RID: no

IMDG Marine pollutant: yes

IATA: no

14.6 Special precautions for user :

No data available



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SECTION 15: Regulatory information

Safety, health and environmental regulations/legislation specific for the substance or mixture

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

Chemical safety assessment

For this product a chemical safety assessment was not carried out

SECTION 16: Other information

Full text of H-Statements referred to under sections 2 and 3.

H314	Causes severe skin burns and eye damage.
H318	Causes serious eye damage.
H411	Toxic to aquatic life with long lasting effects.

Further information

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions.