

This SDS is an English translation of Regulation (EU) nº 2015/830, without any country-specific legislation

#### S2B - RUST PREVENTIVE OXIRON BLUING PAINT Colours: 0202, 0204, 0214

#### SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

#### **1.1 Product identifier:**

S2B - RUST PREVENTIVE OXIRON BLUING PAINT Colours: 0202, 0204, 0214

#### Other means of identification:

Non-applicable

#### 1.2 Relevant identified uses of the substance or mixture and uses advised against:

Relevant uses: Enamel

Uses advised against: All uses not specified in this section or in section 7.3

#### 1.3 Details of the supplier of the safety data sheet:

Industrias Titán, S.A.U. Pol. Ind. Pratense, calle 114 nº 17-19 08820 El Prat de Llobregat - Barcelona - España Phone.: +34 934 797 494 - Fax: +34 934 797 495 msds@titanlux.es http://www.titanlux.es

1.4 Emergency telephone number: +34 934 797 494 (7:30-14:30 h.) (working hours)

#### SECTION 2: HAZARDS IDENTIFICATION \*\*

#### 2.1 Classification of the substance or mixture:

#### CLP Regulation (EC) No 1272/2008:

Classification of this product has been carried out in accordance with CLP Regulation (EC) No 1272/2008.

Aerosol 1: Pressurised container: May burst if heated., H229 Aerosol 1: Flammable aerosols, Category 1, H222 Aquatic Chronic 2: Hazardous to the aquatic environment, long-term hazard, Category 2, H411 Eye Irrit. 2: Eye irritation, Category 2, H319 STOT RE 2: Specific target organ toxicity, repeated exposure, Category 2, H373

STOT SE 3: Specific toxicity causing drowsiness and dizziness, single exposure, Category 3, H336

#### 2.2 Label elements:

#### CLP Regulation (EC) No 1272/2008:

Danger



#### Hazard statements:

Aerosol 1: H229 - Pressurised container: May burst if heated. Aerosol 1: H222 - Extremely flammable aerosol. Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects. Eye Irrit. 2: H319 - Causes serious eye irritation. STOT RE 2: H373 - May cause damage to organs through prolonged or repeated exposure. STOT SE 3: H336 - May cause drowsiness or dizziness. **Precautionary statements:** P101: If medical advice is needed, have product container or label at hand. P102: Keep out of reach of children. P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P211: Do not spray on an open flame or other ignition source. P251: Do not pierce or burn, even after use. P260: Do not breathe spray. P280: Wear protective gloves/eye protection/face protection. P285: In case of inadequate ventilation wear respiratory protection. P302+P352: IF ON SKIN: Wash with plenty of water. P312: Call a POISON CENTER/doctor if you feel unwell.

P410+P412: Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122°F

P501: Dispose of contents/container according to the separated collection system used in your municipality.

#### Supplementary information:

\*\* Changes with regards to the previous version

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TITAN

### **S2B - RUST PREVENTIVE OXIRON BLUING PAINT**

#### Colours: 0202, 0204, 0214

#### SECTION 2: HAZARDS IDENTIFICATION \*\* (continued)

EUH066: Repeated exposure may cause skin dryness or cracking.

EUH211: Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist. Substances that contribute to the classification

acetone; Nafta (petróleo), fracción pesada hidrodesulfurada; 1-methoxy-2-propanol; N-butyl acetate

#### **Additional labeling:**

Buildup of explosive mixtures possible without sufficient ventilation.

2.3 Other hazards:

Product fails to meet PBT/vPvB criteria

\*\* Changes with regards to the previous version

#### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS \*\*

#### 3.1 Substance:

Non-applicable

#### 3.2 Mixture:

Chemical description: Mixture composed of additives, aggregates, pigments and resins in solvents

#### **Components:**

In accordance with Annex II of Regulation (EC) No 1907/2006 (point 3), the product contains:

	Identification		Chemical name/Classification		Concentration	
CAS:	67-64-1	acetone <sup>(1)</sup>		ATP CLP00		
	200-662-2 606-001-00-8 01-2119471330-49- XXXX	Regulation 1272/2008	Eye Irrit. 2: H319; Flam. Liq. 2: H225; STOT SE 3: H336; EUH066 - Danger	(1) (1)	20 - <25 %	
AS:	64742-82-1	Nafta (petróleo), fra	cción pesada hidrodesulfurada(1)	Self-classified		
	265-185-4 649-330-00-2 Non-applicable	Regulation 1272/2008	Aquatic Chronic 1: H410; Asp. Tox. 1: H304; Flam. Liq. 3: H226; STOT RE 1: H37 - Danger	<sup>72</sup> 🐼 🕹 😩	7,5 - <10 %	
AS:	1330-20-7	Xylene <sup>(1)</sup>		Self-classified		
	215-535-7 601-022-00-9 Acute Tox. 4: H312+H332; Asp. Tox. 1: H304; Eye Irrit. 2: H319; Flam.		Acute Tox. 4: H312+H332; Asp. Tox. 1: H304; Eye Irrit. 2: H319; Flam. Liq. 3: H226; Skin Irrit. 2: H315; STOT RE 2: H373; STOT SE 3: H335 - Danger	1.4.4	5 - <7,5 %	
CAS:	107-98-2	1-methoxy-2-propar	lo[(1)	ATP ATP01		
	:: 203-539-1 dex:: 603-064-00-3 ACH: 01-2119457435-35- XXXX Regulation 1272/2008		Flam. Liq. 3: H226; STOT SE 3: H336 - Warning		2,5 - <5 %	
CAS: 123-86-4		N-butyl acetate <sup>(1)</sup>	ATP CLP00			
	ev: 607-025-00-1		1272/2008 Flam. Liq. 3: H226; STOT SE 3: H336; EUH066 - Warning		2 - <2,5 %	
CAS:	13463-67-7	Titanium dioxide (ae	rodynamic diameter ≤ 10 μm) <sup>(1)</sup>	Self-classified		
			n 1272/2008 Carc. 2: H351 - Warning			
AS:	7779-90-0	trizinc bis(orthophos	phate) <sup>(1)</sup>	ATP CLP00		
	ev: Non-applicable		Aquatic Acute 1: H400; Aquatic Chronic 1: H410 - Warning	Ł	1 - <1,5 %	
CAS:	68308-64-5	Quaternary ammoni	um compounds, coco alkylethyldimethyl, Et sulfates <sup>(1)</sup>	Self-classified		
EC: Index: REACH:	269-662-8 Non-applicable Non-applicable	Regulation 1272/2008	272/2008 Acute Tox. 4: H302; Aquatic Acute 1: H400; Eye Dam. 1: H318; Skin Corr. 1B:		0,2 - <0,3 %	
CAS:	1314-13-2	zinc oxide <sup>(1)</sup>		ATP CLP00		
	215-222-5 030-013-00-7 01-2119463881-32- XXXX	Regulation 1272/2008	Aquatic Acute 1: H400; Aquatic Chronic 1: H410 - Warning	Ł	0,2 - <0,3 %	

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#### S2B - RUST PREVENTIVE OXIRON BLUING PAINT Colours: 0202, 0204, 0214

#### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS \*\* (continued)

To obtain more information on the hazards of the substances consult sections 11, 12 and 16.

\*\* Changes with regards to the previous version

#### SECTION 4: FIRST AID MEASURES

#### 4.1 Description of first aid measures:

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.

#### By inhalation:

Remove the person affected from the area of exposure, provide with fresh air and keep at rest. In serious cases such as cardiorespiratory failure, artificial resuscitation techniques will be necessary (mouth to mouth resuscitation, cardiac massage, oxygen supply, etc.) requiring immediate medical assistance.

#### By skin contact:

Remove contaminated clothing and footwear, rinse skin or shower the person affected if appropriate with plenty of cold water and neutral soap. In serious cases see a doctor. If the product causes burns or freezing, clothing should not be removed as this could worsen the injury caused if it is stuck to the skin. If blisters form on the skin, these should never be burst as this will increase the risk of infection.

#### By eye contact:

Rinse eyes thoroughly with lukewarm water for at least 15 minutes. Do not allow the person affected to rub or close their eyes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case this could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS of the product.

#### By ingestion/aspiration:

Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. Keep the person affected at rest. Rinse out the mouth and throat, as they may have been affected during ingestion.

#### 4.2 Most important symptoms and effects, both acute and delayed:

Acute and delayed effects are indicated in sections 2 and 11.

#### 4.3 Indication of any immediate medical attention and special treatment needed:

Non-applicable

#### SECTION 5: FIREFIGHTING MEASURES

#### 5.1 Extinguishing media:

#### Suitable extinguishing media:

If possible use polyvalent powder fire extinguishers (ABC powder), alternatively use foam or carbon dioxide extinguishers (CO2).

#### Unsuitable extinguishing media:

IT IS RECOMMENDED NOT to use full jet water as an extinguishing agent.

#### 5.2 Special hazards arising from the substance or mixture:

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

#### 5.3 Advice for firefighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and self-contained breathing apparatus (SCBA). Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...) in accordance with Directive 89/654/EC.

#### Additional provisions:

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

#### SECTION 6: ACCIDENTAL RELEASE MEASURES

#### 6.1 Personal precautions, protective equipment and emergency procedures:



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#### S2B - RUST PREVENTIVE OXIRON BLUING PAINT Colours: 0202, 0204, 0214

#### SECTION 6: ACCIDENTAL RELEASE MEASURES (continued)

Isolate leaks provided that there is no additional risk for the people performing this task. Evacuate the area and keep out those without protection. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Above all prevent the formation of any vapour-air flammable mixtures, through either ventilation or the use of an inert medium. Destroy any source of ignition. Eliminate electrostatic charges by interconnecting all the conductive surfaces on which static electricity could form, and also ensuring that all surfaces are connected to the ground.

#### 6.2 Environmental precautions:

Avoid at all cost any type of spillage into an aqueous medium. Contain the product absorbed appropriately in hermetically sealed containers. Notify the relevant authority in case of exposure to the general public or the environment.

#### 6.3 Methods and material for containment and cleaning up:

It is recommended:

Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

#### 6.4 Reference to other sections:

See sections 8 and 13.

#### SECTION 7: HANDLING AND STORAGE

#### 7.1 Precautions for safe handling:

A.- Precautions for safe manipulation

Comply with the current legislation concerning the prevention of industrial risks. Keep containers hermetically sealed. Control spills and residues, destroying them with safe methods (section 6). Avoid leakages from the container. Maintain order and cleanliness where dangerous products are used.

B.- Technical recommendations for the prevention of fires and explosions

Avoid the evaporation of the product as it contains flammable substances, which could form flammable vapour/air mixtures in the presence of sources of ignition. Control sources of ignition (mobile phones, sparks,...) and transfer at slow speeds to avoid the creation of electrostatic charges. Avoid splashes and pulverizations. Consult section 10 for conditions and materials that should be avoided.

C.- Technical recommendations to prevent ergonomic and toxicological risks

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D.- Technical recommendations to prevent environmental risks

Due to the danger of this product for the environment it is recommended to use it within an area containing contamination control barriers in case of spillage, as well as having absorbent material in close proximity.

#### 7.2 Conditions for safe storage, including any incompatibilities:

A Technical measures	for storage
Minimum Temp.:	5 °C
Maximum Temp.:	40 °C
Maximum time:	36 Months

B.- General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

#### 7.3 Specific end use(s):

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Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

#### SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

#### 8.1 Control parameters:

Substances whose occupational exposure limits have to be monitored in the workplace (European OEL, not country-specific legislation):

Directive (EU) 2000/39, Directive 2004/37/EC, Directive (EU) 2006/15, Directive (EU) 2009/161, Directive (EU) 2017/164, Directive (EU) 2019/1831:

Identification	Occupa	ational exposure lir	nits
acetone	IOELV (8h)	500 ppm	1210 mg/m <sup>3</sup>
CAS: 67-64-1 EC: 200-662-2	IOELV (STEL)		



#### S2B - RUST PREVENTIVE OXIRON BLUING PAINT Colours: 0202, 0204, 0214

#### SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Directive (EU) 2000/39, Directive 2004/37/EC, Directive (EU) 2006/15, Directive (EU) 2009/161, Directive (EU) 2017/164, Directive (EU) 2019/1831:

Identification	Occupational exposure limits		
Xylene	IOELV (8h)	50 ppm	221 mg/m <sup>3</sup>
CAS: 1330-20-7 EC: 215-535-7	IOELV (STEL)	100 ppm	442 mg/m <sup>3</sup>
1-methoxy-2-propanol	IOELV (8h)	100 ppm	375 mg/m <sup>3</sup>
CAS: 107-98-2 EC: 203-539-1	IOELV (STEL)	150 ppm	568 mg/m <sup>3</sup>
N-butyl acetate	IOELV (8h)	50 ppm	241 mg/m <sup>3</sup>
CAS: 123-86-4 EC: 204-658-1	IOELV (STEL)	150 ppm	723 mg/m <sup>3</sup>

#### **DNEL (Workers):**

	Short e	Short exposure		Long exposure	
Identification	Identification				Local
acetone	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 67-64-1	Dermal	Non-applicable	Non-applicable	186 mg/kg	Non-applicable
EC: 200-662-2	Inhalation	Non-applicable	2420 mg/m <sup>3</sup>	1210 mg/m <sup>3</sup>	Non-applicable
Xylene	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 1330-20-7	Dermal	Non-applicable	Non-applicable	212 mg/kg	Non-applicable
EC: 215-535-7	Inhalation	442 mg/m <sup>3</sup>	442 mg/m <sup>3</sup>	221 mg/m <sup>3</sup>	221 mg/m <sup>3</sup>
1-methoxy-2-propanol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 107-98-2	Dermal	Non-applicable	Non-applicable	183 mg/kg	Non-applicable
EC: 203-539-1	Inhalation	553,5 mg/m³	553,5 mg/m <sup>3</sup>	369 mg/m <sup>3</sup>	Non-applicable
N-butyl acetate	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 123-86-4	Dermal	11 mg/kg	Non-applicable	11 mg/kg	Non-applicable
EC: 204-658-1	Inhalation	600 mg/m <sup>3</sup>	600 mg/m <sup>3</sup>	300 mg/m <sup>3</sup>	300 mg/m <sup>3</sup>
trizinc bis(orthophosphate)	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 7779-90-0	Dermal	Non-applicable	Non-applicable	83 mg/kg	Non-applicable
EC: 231-944-3	Inhalation	Non-applicable	Non-applicable	5 mg/m <sup>3</sup>	Non-applicable
zinc oxide	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 1314-13-2	Dermal	Non-applicable	Non-applicable	83 mg/kg	Non-applicable
EC: 215-222-5	Inhalation	Non-applicable	Non-applicable	5 mg/m <sup>3</sup>	0,5 mg/m <sup>3</sup>

#### DNEL (General population):

		Short exposure		Long exposure	
Identification	Systemic	Local	Systemic	Local	
acetone	Oral	Non-applicable	Non-applicable	62 mg/kg	Non-applicable
CAS: 67-64-1	Dermal	Non-applicable	Non-applicable	62 mg/kg	Non-applicable
EC: 200-662-2	Inhalation	Non-applicable	Non-applicable	200 mg/m <sup>3</sup>	Non-applicable
Xylene	Oral	Non-applicable	Non-applicable	12,5 mg/kg	Non-applicable
CAS: 1330-20-7	Dermal	Non-applicable	Non-applicable	125 mg/kg	Non-applicable
EC: 215-535-7	Inhalation	260 mg/m <sup>3</sup>	260 mg/m <sup>3</sup>	65,3 mg/m <sup>3</sup>	65,3 mg/m <sup>3</sup>
1-methoxy-2-propanol	Oral	Non-applicable	Non-applicable	33 mg/kg	Non-applicable
CAS: 107-98-2	Dermal	Non-applicable	Non-applicable	78 mg/kg	Non-applicable
EC: 203-539-1	Inhalation	Non-applicable	Non-applicable	43,9 mg/m <sup>3</sup>	Non-applicable
N-butyl acetate	Oral	2 mg/kg	Non-applicable	2 mg/kg	Non-applicable
CAS: 123-86-4	Dermal	6 mg/kg	Non-applicable	6 mg/kg	Non-applicable
EC: 204-658-1	Inhalation	300 mg/m <sup>3</sup>	300 mg/m <sup>3</sup>	35,7 mg/m <sup>3</sup>	35,7 mg/m <sup>3</sup>
trizinc bis(orthophosphate)	Oral	Non-applicable	Non-applicable	0,83 mg/kg	Non-applicable
CAS: 7779-90-0	Dermal	Non-applicable	Non-applicable	83 mg/kg	Non-applicable
EC: 231-944-3	Inhalation	Non-applicable	Non-applicable	2,5 mg/m <sup>3</sup>	Non-applicable
zinc oxide	Oral	Non-applicable	Non-applicable	0,83 mg/kg	Non-applicable
CAS: 1314-13-2	Dermal	Non-applicable	Non-applicable	83 mg/kg	Non-applicable
EC: 215-222-5	Inhalation	Non-applicable	Non-applicable	2,5 mg/m <sup>3</sup>	Non-applicable
PNEC:		-			



#### S2B - RUST PREVENTIVE OXIRON BLUING PAINT Colours: 0202, 0204, 0214

#### SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification				
acetone	STP	100 mg/L	Fresh water	10,6 mg/L
CAS: 67-64-1	Soil	29,5 mg/kg	Marine water	1,06 mg/L
EC: 200-662-2	Intermittent	21 mg/L	Sediment (Fresh water)	30,4 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	3,04 mg/kg
Xylene	STP	6,58 mg/L	Fresh water	0,327 mg/L
CAS: 1330-20-7	Soil	2,31 mg/kg	Marine water	0,327 mg/L
EC: 215-535-7	Intermittent	0,327 mg/L	Sediment (Fresh water)	12,46 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	12,46 mg/kg
1-methoxy-2-propanol	STP	100 mg/L	Fresh water	10 mg/L
CAS: 107-98-2	Soil	4,59 mg/kg	Marine water	1 mg/L
EC: 203-539-1	Intermittent	100 mg/L	Sediment (Fresh water)	52,3 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	5,2 mg/kg
N-butyl acetate	STP	35,6 mg/L	Fresh water	0,18 mg/L
CAS: 123-86-4	Soil	0,09 mg/kg	Marine water	0,018 mg/L
EC: 204-658-1	Intermittent	0,36 mg/L	Sediment (Fresh water)	0,981 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,098 mg/kg
trizinc bis(orthophosphate)	STP	0,1 mg/L	Fresh water	0,0206 mg/L
CAS: 7779-90-0	Soil	35,6 mg/kg	Marine water	0,0061 mg/L
EC: 231-944-3	Intermittent	Non-applicable	Sediment (Fresh water)	117,8 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	56,5 mg/kg
zinc oxide	STP	0,1 mg/L	Fresh water	0,0206 mg/L
CAS: 1314-13-2	Soil	35,6 mg/kg	Marine water	0,0061 mg/L
EC: 215-222-5	Intermittent	Non-applicable	Sediment (Fresh water)	117,8 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	56,5 mg/kg

#### 8.2 Exposure controls:

A.- General security and hygiene measures in the work place

In accordance with the order of importance to control professional exposure (Directive 98/24/EC) it is recommended to use localized extraction in the work area as a collective protection measure to avoid exceeding the occupational exposure limits. In case of using personal protective equipment it should have CE marking in accordance with Directive 2016/425/EC. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,...) consult the information leaflet provided by the manufacturer. For additional information see subsection 7.1.

All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

B.- Respiratory protection

	Pictogram	PPE	Labelling	CEN Standard	Remarks			
	Mandatory respiratory tract protection	Filter mask for gases, vapours and particles		EN 149:2001+A1:2009 EN 405:2002+A1:2010	Replace when an increase in resistence to breathing is observed and/or a smell or taste of the contaminant is detected.			
C 9	C Specific protection for the hands							

Pictogram	PPE	Labelling	CEN Standard	Remarks
Mandatory hand protection	NON-disposable chemical protective gloves		EN ISO 374-1:2016+A1:2018 EN 16523-1:2015+A1:2018 EN 420:2004+A1:2010	The Breakthrough Time indicated by the manufacturer must exceed the period during which the product is being used. Do not use protective creams after the product has come into contact with skin.

As the product is a mixture of several substances, the resistance of the glove material can not be calculated in advance with total reliability and has therefore to be checked prior to the application.

D.- Ocular and facial protection

Revised: 03/02/2021



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#### S2B - RUST PREVENTIVE OXIRON BLUING PAINT Colours: 0202, 0204, 0214

CTION	8: EXPOSURE	CONTR	OLS/PERSONA	AL PROTECTI	ON (	continued)		
	Pictogram		PPE	Labelling		CEN Standard		Remarks
	Mandatory face protection	F	ace shield		E	EN 166:2002 EN 167:2002 EN 168:2002 EN ISO 4007:2018		a daily and disinfect periodically according to nanufacturer´s instructions. Use if there is a risk of splashing.
E	Body protection							
	Pictogram		PPE	Labelling		CEN Standard		Remarks
	Mandatory complete body protection	protectio risks, w	able clothing for n against chemical ith antistatic and roof properties		E	EN 1149-1,2,3 3034:2005+A1:2009 EN ISO 13982- 1:2004/A1:2010 EN ISO 6529:2013 IN ISO 6530:2005 N ISO 13688:2013 EN 464:1994		r professional use only. Clean periodically ording to the manufacturer's instructions.
	Mandatory foot protection	protectio risk, with	ry footwear for n against chemical antistatic and heat tant properties		E	N ISO 13287:2013 N ISO 20345:2011 EN 13832-1:2019	Re	eplace boots at any sign of deterioration.
F	Additional emerge	ency mea	isures					
	Emergency mea	isure	St	andards		Emergency measu	re	Standards

Emergency measure	Standards	Emergency measure	Standards
Emergency shower	ANSI Z358-1 ISO 3864-1:2011, ISO 3864-4:2011	Eyewash stations	DIN 12 899 ISO 3864-1:2011, ISO 3864-4:2011

#### Environmental exposure controls:

In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container. For additional information see subsection 7.1.D **Volatile organic compounds:** 

With regard to Directive 2010/75/EU, this product has the following characteristics:

V.O.C. (Supply):	71,4 % weight
V.O.C. density at 20 °C:	708,5 kg/m <sup>3</sup> (708,5 g/L)
Average carbon number:	4,02
Average molecular weight:	72,69 g/mol

#### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

#### 9.1 Information on basic physical and chemical properties:

For complete information see the product datasheet.

#### **Appearance:**

Physical state at 20 °C:	Aerosol	
Appearance:	Not available	
Colour:	Not available	
Odour:	Not available	
Odour threshold:	Non-applicable *	
Volatility:		
Boiling point at atmospheric pressure:	-42 °C (Propellant)	
Vapour pressure at 20 °C:	Non-applicable *	
Vapour pressure at 50 °C:	<300000 Pa (300 kPa)	
Evaporation rate at 20 °C:	Non-applicable *	
*Not relevant due to the nature of the product, not providing information property of its hazards.		



## Colours: 0202, 0204, 0214

Density at 20 °C:Non-applicable *Relative density at 20 °C:Non-applicable *Dynamic viscosity at 20 °C:Non-applicable *Kinematic viscosity at 40 °C:Non-applicable *Concentration:Non-applicable *Concentration:Non-applicable *PH:Non-applicable *Vapour density at 20 °C:Non-applicable *Partition coefficient n-octanol/water 20 °C:Non-applicable *Solubility in water at 20 °C:Non-applicable *Solubility in water at 20 °C:Non-applicable *Solubility properties:Non-applicable *Decomposition temperature:Non-applicable *Melting point/freezing point:Non-applicable *Melting point/freezing point:Non-applicable *Parmability:Non-applicable *Flammability:Non-applicable *Flammability:-104 °C (Propellant)Heat of combustion:Non-applicable *Flammability (solid, gas):Non-applicable *Autoignition temperature:365 °C (Propellant)Lower flammability limit:1,5 % VolumeUpper explosive limit:Non-applicable *Explosive limit:Non-applicable *Upper explosive limit:Non-applicable *Upper explosive limit:Non-applicable *Upper explosive limit:Non-applicable *Upper explosive limit:Non-applicable *Explosive limit:Non-applicable *Upper explosive limit:Non-applicable *Upper explosive limit:Non-applicable *Upper explosi	Product description:	
Dynamic viscosity at 20 °C:Non-applicable *Kinematic viscosity at 20 °C:Non-applicable *Kinematic viscosity at 40 °C:Non-applicable *Concentration:Non-applicable *PH:Non-applicable *Vapour density at 20 °C:Non-applicable *Solubility in water at 20 °C:Non-applicable *Solubility in water at 20 °C:Non-applicable *Solubility properties:Non-applicable *Decomposition temperature:Non-applicable *Percipient pressure:Non-applicable *Recipient pressure:Non-applicable *Disiding properties:Non-applicable *Oxidising properties:Non-applicable *Disiding properties:Non-applicable *Hammability:1.04 °C (Propellant)Heat of combustion:Non-applicable *I cower flammability (solid, gas):Non-applicable *Autoignition temperature:365 °C (Propellant)Lower flammability limit:1,5 % VolumeUpper explosive limit:Non-applicable *Upper explosive l	Density at 20 °C:	Non-applicable *
Kinematic viscosity at 20 °C:Non-applicable *Kinematic viscosity at 40 °C:Non-applicable *Concentration:Non-applicable *pH:Non-applicable *Vapour density at 20 °C:Non-applicable *Partition coefficient n-octanol/water 20 °C:Non-applicable *Solubility in water at 20 °C:Non-applicable *Solubility properties:Non-applicable *Decomposition temperature:Non-applicable *Melting point/freezing point:Non-applicable *Recipient pressure:Non-applicable *Oxidising properties:Non-applicable *Oxidising properties:Non-applicable *Flammability:-104 °C (Propellant)Heat of combustion:Non-applicable *Flammability (solid, gas):Non-applicable *Autoignition temperature:365 °C (Propellant)Lower flammability limit:1,5 % VolumeUpper explosive limit:Non-applicable *Lower flammability limit:365 °C (Propellant)Lower flammability limit:Non-applicable *Solubive flammability limit:Non-applicable *Lower flammability limit:Non-applicable *Upper explosive limit:Non-applicable *Lower explosive limit:Non-applicable *Solubicable *Non-applicable *Lower explosive limit:Non-applicable *Lower flammability limit:Solubicable *Lower explosive limit:Non-applicable *Lower explosive limit:Non-applicable *Lower explosive limit:Non-applicable	Relative density at 20 °C:	Non-applicable *
Kinematic viscosity at 40 °C:Non-applicable *Concentration:Non-applicable *pH:Non-applicable *Vapour density at 20 °C:Non-applicable *Partition coefficient n-octanol/water 20 °C:Non-applicable *Solubility in water at 20 °C:Non-applicable *Solubility properties:Non-applicable *Decomposition temperature:Non-applicable *Melting point/freezing point:Non-applicable *Recipient pressure:Non-applicable *Cxidising properties:Non-applicable *Oxidising properties:Non-applicable *Flammability:-104 °C (Propellant)Heat of combustion:Non-applicable *Flammability (solid, gas):Non-applicable *I cower flammability limit:.365 °C (Propellant)Lower flammability limit:.1,5 % VolumeUpper flammability limit:Non-applicable *Lower flammability limit:Non-applicable *I cover flammability limit:Non-applicable *<	Dynamic viscosity at 20 °C:	Non-applicable *
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Vapour density at 20 °C:Non-applicable *Partition coefficient n-octanol/water 20 °C:Non-applicable *Solubility in water at 20 °C:Non-applicable *Solubility properties:Non-applicable *Decomposition temperature:Non-applicable *Melting point/freezing point:Non-applicable *Recipient pressure:Non-applicable *Explosive properties:Non-applicable *Oxidising properties:Non-applicable *Oxidising properties:Non-applicable *Flammability:-104 °C (Propellant)Heat of combustion:Non-applicable *Flammability (solid, gas):Non-applicable *Autoignition temperature:365 °C (Propellant)Lower flammability limit:1,5 % VolumeUpper flammability limit:13 % VolumeExplosive limit:Non-applicable *Juper explosive limit:Non-applicable *Surface tension at 20 °C:Non-applicable *Refraction index:Non-applicable *	Concentration:	Non-applicable *
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Decomposition temperature:Non-applicable *Melting point/freezing point:Non-applicable *Recipient pressure:Non-applicable *Explosive properties:Non-applicable *Oxidising properties:Non-applicable *Oxidising properties:Non-applicable *Flammability:-104 °C (Propellant)Heat of combustion:Non-applicable *Flammability (solid, gas):Non-applicable *Autoignition temperature:365 °C (Propellant)Lower flammability limit:1,5 % VolumeUpper flammability limit:13 % VolumeExplosive limit:Non-applicable *Upper explosive limit:Non-applicable *Surface tension at 20 °C:Non-applicable *Refraction index:Non-applicable *	Solubility in water at 20 °C:	
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Explosive properties:Non-applicable *Oxidising properties:Non-applicable *Flammability:-104 °C (Propellant)Heat of combustion:Non-applicable *Flammability (solid, gas):Non-applicable *Autoignition temperature:365 °C (Propellant)Lower flammability limit:1,5 % VolumeUpper flammability limit:13 % VolumeExplosive:Upper explosive limit:Lower explosive limit:Non-applicable *Surface tension at 20 °C:Non-applicable *Refraction index:Non-applicable *	Melting point/freezing point:	Non-applicable *
Oxidising properties:Non-applicable *Flammability:-104 °C (Propellant)Flash Point:-104 °C (Propellant)Heat of combustion:Non-applicable *Flammability (solid, gas):Non-applicable *Autoignition temperature:365 °C (Propellant)Lower flammability limit:1,5 % VolumeUpper flammability limit:13 % VolumeExplosive:Non-applicable *Lower explosive limit:Non-applicable *Upper explosive limit:Non-applicable *Other information:Non-applicable *Surface tension at 20 °C:Non-applicable *Refraction index:Non-applicable *	Recipient pressure:	Non-applicable *
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Flash Point:-104 °C (Propellant)Heat of combustion:Non-applicable *Flammability (solid, gas):Non-applicable *Autoignition temperature:365 °C (Propellant)Lower flammability limit:1,5 % VolumeUpper flammability limit:13 % Volume <b>Explosive:</b> Von-applicable *Lower explosive limit:Non-applicable *Upper explosive limit:Non-applicable *Other information:Non-applicable *Surface tension at 20 °C:Non-applicable *Refraction index:Non-applicable *	Oxidising properties:	Non-applicable *
Heat of combustion:Non-applicable *Flammability (solid, gas):Non-applicable *Autoignition temperature:365 °C (Propellant)Lower flammability limit:1,5 % VolumeUpper flammability limit:13 % VolumeExplosive:Non-applicable *Lower explosive limit:Non-applicable *Upper explosive limit:Non-applicable *Upper explosive limit:Non-applicable *Other information:Non-applicable *Surface tension at 20 °C:Non-applicable *Refraction index:Non-applicable *	Flammability:	
Flammability (solid, gas):Non-applicable *Autoignition temperature:365 °C (Propellant)Lower flammability limit:1,5 % VolumeUpper flammability limit:13 % VolumeExplosive:VolumeLower explosive limit:Non-applicable *Upper explosive limit:Non-applicable *Other information:VolumeSurface tension at 20 °C:Non-applicable *Refraction index:Non-applicable *	Flash Point:	-104 °C (Propellant)
Autoignition temperature:365 °C (Propellant)Lower flammability limit:1,5 % VolumeUpper flammability limit:13 % VolumeExplosive:13 % VolumeLower explosive limit:Non-applicable *Upper explosive limit:Non-applicable *Other information:Surface tension at 20 °C:Surface tension at 20 °C:Non-applicable *Refraction index:Non-applicable *	Heat of combustion:	Non-applicable *
Lower flammability limit:1,5 % VolumeUpper flammability limit:13 % VolumeExplosive:13 % VolumeLower explosive limit:Non-applicable *Upper explosive limit:Non-applicable *Other information:Surface tension at 20 °C:Surface tension at 20 °C:Non-applicable *Refraction index:Non-applicable *	Flammability (solid, gas):	Non-applicable *
Upper flammability limit:13 % VolumeExplosive:Non-applicable *Lower explosive limit:Non-applicable *Upper explosive limit:Non-applicable *Other information:Surface tension at 20 °C:Surface tension at 20 °C:Non-applicable *Refraction index:Non-applicable *	Autoignition temperature:	365 °C (Propellant)
Explosive:Lower explosive limit:Non-applicable *Upper explosive limit:Non-applicable *Other information:Von-applicable *Surface tension at 20 °C:Non-applicable *Refraction index:Non-applicable *	Lower flammability limit:	1,5 % Volume
Lower explosive limit:Non-applicable *Upper explosive limit:Non-applicable *Other information:Non-applicable *Surface tension at 20 °C:Non-applicable *Refraction index:Non-applicable *	Upper flammability limit:	13 % Volume
Upper explosive limit:Non-applicable *Other information:Non-applicable *Surface tension at 20 °C:Non-applicable *Refraction index:Non-applicable *	Explosive:	
Other information:Surface tension at 20 °C:Non-applicable *Refraction index:Non-applicable *	Lower explosive limit:	Non-applicable *
Surface tension at 20 °C:Non-applicable *Refraction index:Non-applicable *	Upper explosive limit:	Non-applicable *
Refraction index: Non-applicable *	Other information:	
	Surface tension at 20 °C:	Non-applicable *
*Not relevant due to the nature of the product, not providing information preparety of its barande	Refraction index:	Non-applicable *
not relevant due to the nature of the product, not providing information property of its fidzards.	*Not relevant due to the nature of the product, not providing	g information property of its hazards.

#### 10.1 Reactivity:

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7.

#### 10.2 Chemical stability:

Chemically stable under the conditions of storage, handling and use.

#### 10.3 Possibility of hazardous reactions:

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

#### 10.4 Conditions to avoid:

Applicable for handling and storage at room temperature:

	Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
	Not applicable	Not applicable	Risk of combustion	Avoid direct impact	Not applicable
10.5	Incompatible materials	:			
	Acids	Water	Oxidising materials	Combustible materials	Others
	Avoid strong acids	Not applicable	Avoid direct impact	Not applicable	Avoid alkalis or strong bases



#### **S2B - RUST PREVENTIVE OXIRON BLUING PAINT** Colours: 0202, 0204, 0214

#### SECTION 10: STABILITY AND REACTIVITY (continued)

#### 10.6 Hazardous decomposition products:

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO2), carbon monoxide and other organic compounds.

#### SECTION 11: TOXICOLOGICAL INFORMATION \*\*

#### 11.1 Information on toxicological effects:

The experimental information related to the toxicological properties of the product itself is not available

Contains glycols. It is recommended not to breathe the vapours for prolonged periods of time due to the possibility of effects that are hazardous to the health .

#### **Dangerous health implications:**

In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:

A- Ingestion (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for consumption. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met. However, it does contain substances classified as dangerous for this effect. For more information see section 3.
- B- Inhalation (acute effect):
  - Acute toxicity : Based on available data, the classification criteria are not met. However, it contains substances classified as dangerous for inhalation. For more information see section 3.
  - Corrosivity/Irritability: Based on available data, the classification criteria are not met. However, it does contain substances classified as dangerous for this effect. For more information see section 3.
- C- Contact with the skin and the eyes (acute effect):
  - Contact with the skin: Based on available data, the classification criteria are not met. However, it contains substances classified as dangerous for skin contact. For more information see section 3.
  - Contact with the eyes: Produces eye damage after contact.
- D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):
  - Carcinogenicity: Based on available data, the classification criteria are not met. However, it contains substances classified as dangerous with carcinogenic effects. For more information see section 3.
    - IARC: Diiron trioxide (3); Xylene (3); Titanium dioxide (aerodynamic diameter  $\leq$  10 µm) (2B)
  - Mutagenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see section 3.
  - Reproductive toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see section 3.
- E- Sensitizing effects:
  - Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous with sensitising effects. For more information see section 3.
  - Cutaneous: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see section 3.
- F- Specific target organ toxicity (STOT) single exposure:

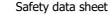
Exposure in high concentration can interfere with the central nervous system causing headache, dizziness, vertigo, nausea, vomiting, confusion, and in serious cases, loss of consciousness.

- G- Specific target organ toxicity (STOT)-repeated exposure:
  - Specific target organ toxicity (STOT)-repeated exposure: Exposure in high concentration can interfere with the central nervous system causing headache, dizziness, vertigo, nausea, vomiting, confusion, and in serious cases, loss of consciousness.
  - Skin: Repeated exposure may cause skin dryness or cracking
- H- Aspiration hazard:

Based on available data, the classification criteria are not met. However, it does contain substances classified as dangerous for this effect. For more information see section 3.

#### Other information:

\*\* Changes with regards to the previous version





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#### S2B - RUST PREVENTIVE OXIRON BLUING PAINT Colours: 0202, 0204, 0214

#### SECTION 11: TOXICOLOGICAL INFORMATION \*\* (continued)

CAS 13463-67-7 Titanium dioxide (aerodynamic diameter  $\leq$  10 µm): The classification as a carcinogen by inhalation applies only to mixtures in powder form containing 1 % or more of titanium dioxide which is in the form of or incorporated in particles with aerodynamic diameter  $\leq$  10 µm

#### Specific toxicology information on the substances:

Identification	Act	ute toxicity	Genus
acetone	LD50 oral	5800 mg/kg	Rat
CAS: 67-64-1	LD50 dermal	7426 mg/kg	Rabbit
EC: 200-662-2	LC50 inhalation	76 mg/L (4 h)	Rat
N-butyl acetate	LD50 oral	12789 mg/kg	Rat
CAS: 123-86-4	LD50 dermal	14112 mg/kg	Rabbit
EC: 204-658-1	LC50 inhalation	23,4 mg/L (4 h)	Rat
Xylene	LD50 oral	2100 mg/kg	Rat
CAS: 1330-20-7	LD50 dermal	1100 mg/kg	Rat
EC: 215-535-7	LC50 inhalation	29 mg/L (4 h)	Rat
Titanium dioxide (aerodynamic diameter ≤ 10 µm)	LD50 oral	10000 mg/kg	Rat
CAS: 13463-67-7	LD50 dermal	10000 mg/kg	Rabbit
EC: 236-675-5	LC50 inhalation	Non-applicable	
Nafta (petróleo), fracción pesada hidrodesulfurada	LD50 oral	5100 mg/kg	Rat
CAS: 64742-82-1	LD50 dermal	3160 mg/kg	Rabbit
EC: 265-185-4	LC50 inhalation	Non-applicable	
zinc oxide	LD50 oral	7950 mg/kg	Mouse
CAS: 1314-13-2	LD50 dermal	Non-applicable	
EC: 215-222-5	LC50 inhalation	Non-applicable	

\*\* Changes with regards to the previous version

#### SECTION 12: ECOLOGICAL INFORMATION \*\*

The experimental information related to the eco-toxicological properties of the product itself is not available

12.1 Toxicity:

Identification		Acute toxicity	Species	Genus
acetone	LC50	5540 mg/L (96 h)	Oncorhynchus mykiss	Fish
CAS: 67-64-1	EC50	23.5 mg/L (48 h)	Daphnia magna	Crustacean
EC: 200-662-2	EC50	3400 mg/L (48 h)	Chlorella pyrenoidosa	Algae
Nafta (petróleo), fracción pesada hidrodesulfurada	LC50	>0.1 - 1 mg/L (96 h)		Fish
CAS: 64742-82-1	EC50	>0.1 - 1 mg/L (48 h)		Crustacean
EC: 265-185-4	EC50	>0.1 - 1 mg/L (72 h)		Algae
Xylene	LC50	13.5 mg/L (96 h)	Oncorhynchus mykiss	Fish
CAS: 1330-20-7	EC50	3.4 mg/L (48 h)	Ceriodaphnia dubia	Crustacean
EC: 215-535-7	EC50	10 mg/L (72 h)	Skeletonema costatum	Algae
1-methoxy-2-propanol	LC50	20800 mg/L (96 h)	Pimephales promelas	Fish
CAS: 107-98-2	EC50	23300 mg/L (48 h)	Daphnia magna	Crustacean
EC: 203-539-1	EC50	1000 mg/L (168 h)	Selenastrum capricornutum	Algae
N-butyl acetate	LC50	62 mg/L (96 h)	Leuciscus idus	Fish
CAS: 123-86-4	EC50	73 mg/L (24 h)	Daphnia magna	Crustacean
EC: 204-658-1	EC50	675 mg/L (72 h)	Scenedesmus subspicatus	Algae
trizinc bis(orthophosphate)	LC50	>0.1 - 1 mg/L (96 h)		Fish
CAS: 7779-90-0	EC50	>0.1 - 1 mg/L (48 h)		Crustacean
EC: 231-944-3	EC50	>0.1 - 1 mg/L (72 h)		Algae
Quaternary ammonium compounds, coco alkylethyldimethyl, Et sulfates	LC50	>0.1 - 1 mg/L (96 h)		Fish
CAS: 68308-64-5	EC50	>0.1 - 1 mg/L (48 h)		Crustacean
EC: 269-662-8	EC50	>0.1 - 1 mg/L (72 h)		Algae

\*\* Changes with regards to the previous version





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#### SECTION 12: ECOLOGICAL INFORMATION \*\* (continued)

Identification		Acute toxicity	Species	Genus
zinc oxide	LC50	0.82 mg/L (96 h)	Oncorhynchus kisutch	Fish
CAS: 1314-13-2	EC50	3.4 mg/L (48 h)	Daphnia magna	Crustacean
EC: 215-222-5	EC50	Non-applicable		

#### 12.2 Persistence and degradability:

Identification	De	gradability	Biode	gradability
acetone	BOD5	Non-applicable	Concentration	100 mg/L
CAS: 67-64-1	COD	Non-applicable	Period	28 days
EC: 200-662-2	BOD5/COD	Non-applicable	% Biodegradable	96 %
Xylene	BOD5	Non-applicable	Concentration	Non-applicable
CAS: 1330-20-7	COD	Non-applicable	Period	28 days
EC: 215-535-7	BOD5/COD	Non-applicable	% Biodegradable	88 %
1-methoxy-2-propanol	BOD5	Non-applicable	Concentration	100 mg/L
CAS: 107-98-2	COD	Non-applicable	Period	28 days
EC: 203-539-1	BOD5/COD	Non-applicable	% Biodegradable	90 %
N-butyl acetate	BOD5	Non-applicable	Concentration	Non-applicable
CAS: 123-86-4	COD	Non-applicable	Period	5 days
EC: 204-658-1	BOD5/COD	Non-applicable	% Biodegradable	84 %

#### 12.3 Bioaccumulative potential:

Identification	Bioaccun	nulation potential
acetone	BCF	1
CAS: 67-64-1	Pow Log	-0.24
EC: 200-662-2	Potential	Low
Xylene	BCF	9
CAS: 1330-20-7	Pow Log	2.77
EC: 215-535-7	Potential	Low
1-methoxy-2-propanol	BCF	3
CAS: 107-98-2	Pow Log	-0.44
EC: 203-539-1	Potential	Low
N-butyl acetate	BCF	4
CAS: 123-86-4	Pow Log	1.78
EC: 204-658-1	Potential	Low

#### 12.4 Mobility in soil:

Identification	Absorp	tion/desorption	Volat	ility
acetone	Кос	1	Henry	2,93 Pa·m³/mol
CAS: 67-64-1	Conclusion	Very High	Dry soil	Yes
EC: 200-662-2	Surface tension	2,304E-2 N/m (25 °C)	Moist soil	Yes
Xylene	Кос	202	Henry	524,86 Pa·m <sup>3</sup> /mol
CAS: 1330-20-7	Conclusion	Moderate	Dry soil	Yes
EC: 215-535-7	Surface tension	Non-applicable	Moist soil	Yes
N-butyl acetate	Кос	Non-applicable	Henry	Non-applicable
CAS: 123-86-4	Conclusion	Non-applicable	Dry soil	Non-applicable
EC: 204-658-1	Surface tension	2,478E-2 N/m (25 °C)	Moist soil	Non-applicable

#### 12.5 Results of PBT and vPvB assessment:

#### Product fails to meet PBT/vPvB criteria

12.6 Other adverse effects:

#### Not described

\*\* Changes with regards to the previous version

#### SECTION 13: DISPOSAL CONSIDERATIONS

#### 13.1 Waste treatment methods:



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#### S2B - RUST PREVENTIVE OXIRON BLUING PAINT Colours: 0202, 0204, 0214

#### SECTION 13: DISPOSAL CONSIDERATIONS (continued)

Code	Description	Waste class (Regulation (EU) No 1357/2014)
16 05 04*	gases in pressure containers (including halons) containing hazardous substances	Dangerous

#### Type of waste (Regulation (EU) No 1357/2014):

HP14 Ecotoxic, HP3 Flammable, HP5 Specific Target Organ Toxicity (STOT)/Aspiration Toxicity, HP4 Irritant — skin irritation and eye damage

#### Waste management (disposal and evaluation):

Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC). As under 15 01 (2014/955/EC) of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-dangerous residue. We do not recommended disposal down the drain. See paragraph 6.2.

#### **Regulations related to waste management:**

In accordance with Annex II of Regulation (EC) No 1907/2006 (REACH) the community or state provisions related to waste management are stated

UN1950

2

2.1

N/A

Yes

AEROSOLS, flammable

Community legislation: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) No 1357/2014

#### SECTION 14: TRANSPORT INFORMATION

#### Transport of dangerous goods by land:

With regard to ADR 2019 and RID 2019: 14.1 UN number: 14.2 UN proper shipping name: 14.3 Transport hazard class(es): Labels: 14.4 Packing group: 14.5 Environmental hazards: 14.6 Special precautions for user

- 14.6 Special precautions for user
   Special regulations: 190, 327, 344, 625
   Tunnel restriction code: D
   Physico-Chemical properties: see section 9
   Limited quantities: 1 L
   14.7 Transport in bulk according to Annex II of Marpol and
- the IBC Code: Transport of dangerous goods by sea:

With regard to IMDG 39-18:

14.1	UN number:	UN1950
🔺 🕂 14.2	UN proper shipping name:	AEROSOLS, flammable
🔥 🐙 🔪 14.3	Transport hazard class(es):	2
	Labels:	2.1
▼ ✓ 14.4	Packing group:	N/A
14.5	Marine pollutant:	Yes
14.6	Special precautions for user	
	Special regulations:	63, 959, 190, 277, 327, 344
	EmS Codes:	F-D, S-U
	Physico-Chemical properties:	see section 9
	Limited quantities:	1 L
	Segregation group:	Non-applicable
14.7	Transport in bulk according to Annex II of Marpol and the IBC Code:	Non-applicable
Transport of danger	ous goods by air:	
With record to IATA /IC	AO 2020.	

With regard to IATA/ICAO 2020:

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#### S2B - RUST PREVENTIVE OXIRON BLUING PAINT Colours: 0202, 0204, 0214

SECTION 14: TRANSPORT	SECTION 14: TRANSPORT INFORMATION (continued)			
14.3 14.4 14.5	UN number: UN proper shipping name: Transport hazard class(es): Labels: Packing group: Environmental hazards: Special precautions for user	UN1950 AEROSOLS, flammable 2 2.1 N/A Yes		
14.7	Physico-Chemical properties: Transport in bulk according to Annex II of Marpol and the IBC Code:	see section 9 Non-applicable		

#### SECTION 15: REGULATORY INFORMATION

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

Candidate substances for authorisation under the Regulation (EC) No 1907/2006 (REACH): Non-applicable

Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Non-applicable

Regulation (EC) No 1005/2009, about substances that deplete the ozone layer: Non-applicable

Article 95, REGULATION (EU) No 528/2012: Non-applicable

REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Non-applicable

#### Seveso III:

Section	Description	Lower-tier requirements	Upper-tier requirements
P3a	FLAMMABLE AEROSOLS	150	500
E2	ENVIRONMENTAL HAZARDS	200	500

### Limitations to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII REACH, etc ....):

Regulation (EU) 2019/1148 on the marketing and use of explosives precursors: Contains acetone. Product under the provisions of Article 9.

Shall not be used in:

—ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays,

-tricks and jokes,

-games for one or more participants, or any article intended to be used as such, even with ornamental aspects.

#### Specific provisions in terms of protecting people or the environment:

It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

#### Other legislation:

The product could be affected by sectorial legislation

#### 15.2 Chemical safety assessment:

The supplier has not carried out evaluation of chemical safety.

#### SECTION 16: OTHER INFORMATION \*\*

#### Legislation related to safety data sheets:

The SDS shall be supplied in an official language of the country where the product is placed on the market. This safety data sheet has been designed in accordance with ANNEX II-Guide to the compilation of safety data sheets of Regulation (EC) No 1907/2006 (Regulation (EC) No 2015/830).

Modifications related to the previous Safety Data Sheet which concerns the ways of managing risks.:



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SECTION 16: OTHER INFORMATION ** (continued)	
COMPOSITION/INFORMATION ON INGREDIENTS (SECTION 3, SECTION 11, SECTION 12): · New declared substances	
Xylene (1330-20-7)	
Nafta (petróleo), fracción pesada hidrodesulfurada (64742-82-1)	
Titanium dioxide (aerodynamic diameter $\leq$ 10 µm) (13463-67-7)	
· Removed substances	
Xylene (1330-20-7)	
Naphtha (petroleum), hydrodesulphurized heavy (64742-82-1)	
Ethylbenzene (100-41-4) CLP Regulation (EC) No 1272/2008 (SECTION 2, SECTION 16):	
· Pictograms	
· Hazard statements	
Precautionary statements	
· Supplementary information	
Texts of the legislative phrases mentioned in section 2:	
H336: May cause drowsiness or dizziness.	
H411: Toxic to aquatic life with long lasting effects.	
H373: May cause damage to organs through prolonged or repeated exposure. H229: Pressurised container: May burst if heated.	
H222: Extremely flammable aerosol.	
H319: Causes serious eye irritation.	
Texts of the legislative phrases mentioned in section 3:	
The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the	
individual components which appear in section 3	
CLP Regulation (EC) No 1272/2008:	
Acute Tox. 4: H302 - Harmful if swallowed.	
Acute Tox. 4: H312+H332 - Harmful in contact with skin or if inhaled.	
Aquatic Acute 1: H400 - Very toxic to aquatic life. Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.	
Aquate Circline 1. 11410 - Very toxic to aquate me with long lasting enects. Asp. Tox. 1: H304 - May be fatal if swallowed and enters airways.	
Carc. 2: H351 - Suspected of causing cancer (Inhalation).	
Eye Dam. 1: H318 - Causes serious eye damage.	
Eye Irrit. 2: H319 - Causes serious eye irritation.	
Flam. Liq. 2: H225 - Highly flammable liquid and vapour.	
Flam. Liq. 3: H226 - Flammable liquid and vapour. Skin Corr. 1B: H314 - Causes severe skin burns and eye damage.	
Skin Cont. 10. 11314 - Causes severe skin burns and eye damage. Skin Irrit. 2: H315 - Causes skin irritation.	
STOT RE 1: H372 - Causes damage to organs through prolonged or repeated exposure.	
STOT RE 2: H373 - May cause damage to organs through prolonged or repeated exposure (Oral).	
STOT SE 3: H335 - May cause respiratory irritation.	
STOT SE 3: H336 - May cause drowsiness or dizziness.	
Classification procedure:	
STOT SE 3: Calculation method	
Aquatic Chronic 2: Calculation method STOT RE 2: Calculation method	
Aerosol 1: Calculation method	
Aerosol 1: Calculation method	
Eye Irrit. 2: Calculation method	
Advice related to training:	
Minimal training is recommended in order to prevent industrial risks for staff using this product and to facilitate their	
comprehension and interpretation of this safety data sheet, as well as the label on the product.	
Principal bibliographical sources:	
http://echa.europa.eu	
http://eur-lex.europa.eu Abbreviations and acronyms:	

\*\* Changes with regards to the previous version

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#### S2B - RUST PREVENTIVE OXIRON BLUING PAINT Colours: 0202, 0204, 0214

#### SECTION 16: OTHER INFORMATION \*\* (continued)

ADR: European agreement concerning the international carriage of dangerous goods by road IMDG: International maritime dangerous goods code IATA: International Air Transport Association ICAO: International Civil Aviation Organisation COD: Chemical Oxygen Demand BOD5: 5-day biochemical oxygen demand BCF: Bioconcentration factor LD50: Lethal Dose 50 LC50: Lethal Concentration 50 EC50: Effective concentration 50 LOg-POW: Octanol-water partition coefficient Koc: Partition coefficient of organic carbon

\*\* Changes with regards to the previous version

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at European and state level, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.