

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1. Product identifier

**Trade name or designation of the mixture** GALVA COLOUR ALLCOL

**Registration number** -

**Synonyms** None.

**Product code** BDS000185AE

**Issue date** 04-March-2022

**Version number** 01

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

**Identified uses** Paints

**Uses advised against** None known.

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

**Company name** CRC Industries UK Ltd.  
**Address** Wylds Road  
 Castlefield Industrial Estate  
 TA6 4DD Bridgwater Somerset  
 United Kingdom  
**Telephone** +44 1278 727200  
**Fax** +44 1278 425644  
**E-mail** hse.uk@crcind.com  
**Website** www.crcind.com

**Company name** CRC Industries Europe bv  
**Address** Touwslagerstraat 1  
 9240 Zele  
 Belgium  
**Telephone** +32(0)52/45.60.11  
**Fax** +32(0)52/45.00.34  
**E-mail** hse@crcind.com  
**Website** www.crcind.com

**1.4. Emergency telephone number** Tel.:(+44)(0)1278 72 7200 (office hours: 9-17h GMT)

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

The mixture has been assessed and/or tested for its physical, health and environmental hazards and the following classification applies.

#### Classification according to Regulation (EC) No 1272/2008 as amended

#### Physical hazards

Aerosols	Category 1	H222 - Extremely flammable aerosol. H229 - Pressurized container: May burst if heated.
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#### Health hazards

Skin corrosion/irritation	Category 2	H315 - Causes skin irritation.
Serious eye damage/eye irritation	Category 2	H319 - Causes serious eye irritation.

#### Environmental hazards

Hazardous to the aquatic environment, long-term aquatic hazard	Category 3	H412 - Harmful to aquatic life with long lasting effects.
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### 2.2. Label elements

**Label according to Regulation (EC) No. 1272/2008 as amended****Hazard pictograms****Signal word**

Danger

**Hazard statements**

H222 Extremely flammable aerosol.  
 H229 Pressurized container: May burst if heated.  
 H315 Causes skin irritation.  
 H319 Causes serious eye irritation.  
 H412 Harmful to aquatic life with long lasting effects.

**Precautionary statements****Prevention**

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.  
 P280 Wear protective gloves/protective clothing/eye protection/face protection.

**Response**

Not assigned.

**Storage**

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

**Disposal**

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

**Supplemental label information**

VOC content declaration according to directive 2004/42/EC:  
 Subcategory: Special Finishes, Coating: All types. Max. allowed content g/l = 840.

**2.3. Other hazards**

This mixture does not contain substances assessed to be vPvB / PBT according to Regulation (EC) No 1907/2006, Annex XIII. The product does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

**SECTION 3: Composition/information on ingredients****Mixture****General information**

Chemical name	%	CAS-No. / EC No.	REACH Registration No.	Index No.	Notes
Dimethyl ether	30 - 60	115-10-6 204-065-8	-	603-019-00-8	#
<b>Classification:</b> Press. Gas;H280					
4-methylpentan-2-one; isobutyl methyl ketone	5 - 10	108-10-1 203-550-1	01-2119473980-30	606-004-00-4	#
<b>Classification:</b> Flam. Liq. 2;H225, Acute Tox. 4;H332, Eye Irrit. 2;H319, STOT SE 3;H335					
1-METHOXY-2-PROPANOL; MONOPROPYLENE GLYCOL METHYL ETHER	1 - 5	107-98-2 203-539-1	01-2119457435-35	603-064-00-3	#
<b>Classification:</b> Flam. Liq. 3;H226, STOT SE 3;H336					
Ethylbenzene	1 - 5	100-41-4 202-849-4	01-2119489370-35	601-023-00-4	#
<b>Classification:</b> Flam. Liq. 2;H225, Acute Tox. 4;H332, STOT RE 2;H373, Asp. Tox. 1;H304, Aquatic Chronic 3;H412					
trizinc bis(orthophosphate)	<2.5	7779-90-0 231-944-3	01-2119485044-40	030-011-00-6	
<b>Classification:</b> Aquatic Acute 1;H400, Aquatic Chronic 1;H410					
Fatty acids, C6-19-branched, zinc salts	<1	68551-44-0 271-378-4	01-2119980048-32	-	
<b>Classification:</b> Aquatic Chronic 2;H411					
Xylene	<12,5	1330-20-7 215-535-7	01-2119488216-32	601-022-00-9	#
<b>Classification:</b> Flam. Liq. 3;H226, Acute Tox. 4;H312, Acute Tox. 4;H332, Skin Irrit. 2;H315					

Chemical name	%	CAS-No. / EC No.	REACH Registration No.	Index No.	Notes
Zinc oxide	<0,25	1314-13-2 215-222-5	01-2119463881-32	030-013-00-7	#

**Classification:** Aquatic Acute 1;H400, Aquatic Chronic 1;H410

#### List of abbreviations and symbols that may be used above

ATE: Acute toxicity estimate.

M: M-factor

PBT: persistent, bioaccumulative and toxic substance.

vPvB: very persistent and very bioaccumulative substance.

All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

#: This substance has been assigned Union workplace exposure limit(s).

**Composition comments** The full text for all H-statements is displayed in section 16.

## SECTION 4: First aid measures

**General information** Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

### 4.1. Description of first aid measures

**Inhalation** Move to fresh air. Call a physician if symptoms develop or persist.

**Skin contact** Remove contaminated clothing. Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. Wash contaminated clothing before reuse.

**Eye contact** Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.

**Ingestion** In the unlikely event of swallowing contact a physician or poison control centre. Rinse mouth.

**4.2. Most important symptoms and effects, both acute and delayed** Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Skin irritation. May cause redness and pain.

**4.3. Indication of any immediate medical attention and special treatment needed** Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.

## SECTION 5: Firefighting measures

**General fire hazards** Extremely flammable aerosol.

### 5.1. Extinguishing media

**Suitable extinguishing media** Water fog. Foam. Dry chemical powder. Carbon dioxide (CO<sub>2</sub>).

**Unsuitable extinguishing media** Do not use water jet as an extinguisher, as this will spread the fire.

**5.2. Special hazards arising from the substance or mixture** Contents under pressure. Pressurised container may explode when exposed to heat or flame. During fire, gases hazardous to health may be formed.

### 5.3. Advice for firefighters

**Special protective equipment for firefighters** Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.

**Special fire fighting procedures** Move containers from fire area if you can do so without risk. Containers should be cooled with water to prevent vapour pressure build up. For massive fire in cargo area, use unmanned hose holder or monitor nozzles, if possible. If not, withdraw and let fire burn out.

**Specific methods** Use standard firefighting procedures and consider the hazards of other involved materials. Use water spray to cool unopened containers. In the event of fire and/or explosion do not breathe fumes.

## SECTION 6: Accidental release measures

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

**For non-emergency personnel** Wear appropriate protective equipment and clothing during clean-up. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Do not touch or walk through spilled material.

**For emergency responders** Keep unnecessary personnel away. Ventilate closed spaces before entering them. Local authorities should be advised if significant spillages cannot be contained. Use personal protection recommended in Section 8 of the SDS.

**6.2. Environmental precautions** Avoid release to the environment. Inform appropriate managerial or supervisory personnel of all environmental releases. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground.

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

Stop leak if you can do so without risk. Move the cylinder to a safe and open area if the leak is irreparable. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil etc) away from spilled material. Prevent product from entering drains.

Large Spills: Dike the spilled material, where this is possible. Absorb in vermiculite, dry sand or earth and place into containers. Scoop up used absorbent into drums or other appropriate container. Following product recovery, flush area with water.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Never return spills to original containers for re-use.

### 6.4. Reference to other sections

For personal protection, see section 8 of the SDS. For waste disposal, see section 13 of the SDS.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Pressurised container: Do not pierce or burn, even after use. Do not use if spray button is missing or defective. Do not spray on a naked flame or any other incandescent material. Do not smoke while using or until sprayed surface is thoroughly dry. Do not cut, weld, solder, drill, grind, or expose containers to heat, flame, sparks, or other sources of ignition. All equipment used when handling the product must be grounded. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. Use only in well-ventilated areas. Wear appropriate personal protective equipment. Avoid release to the environment. Observe good industrial hygiene practices.

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

Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 50°C. Keep away from heat, sparks and open flame. This material can accumulate static charge which may cause spark and become an ignition source. Prevent electrostatic charge build-up by using common bonding and grounding techniques. Keep container tightly closed. Store away from incompatible materials (see Section 10 of the SDS).

Storage class (TRGS 510): 2B (Aerosol dispensers and lighters)

### 7.3. Specific end use(s)

Not available.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### Occupational exposure limits

##### UK. EH40 Workplace Exposure Limits (WELs)

Components	Type	Value	Form
1-METHOXY-2-PROPANOL ; MONOPROPYLENE GLYCOL METHYL ETHER (CAS 107-98-2)	STEL	560 mg/m3	
		150 ppm	
	TWA	375 mg/m3	
4-methylpentan-2-one; isobutyl methyl ketone (CAS 108-10-1)	STEL	100 ppm	
		416 mg/m3	
	TWA	208 mg/m3	
Dimethyl ether (CAS 115-10-6)	STEL	50 ppm	
		958 mg/m3	
	TWA	766 mg/m3	
Ethylbenzene (CAS 100-41-4)	STEL	400 ppm	
		552 mg/m3	
	TWA	125 ppm	
		441 mg/m3	
		100 ppm	
Talc (CAS 14807-96-6)	TWA	1 mg/m3	Respirable dust.

**UK. EH40 Workplace Exposure Limits (WELs)**

Components	Type	Value	Form
titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm] (CAS 13463-67-7)	TWA	4 mg/m <sup>3</sup>	Respirable.
Xylene (CAS 1330-20-7)	STEL	10 mg/m <sup>3</sup>	Inhalable
		441 mg/m <sup>3</sup>	
		100 ppm	
Zinc oxide (CAS 1314-13-2)	TWA	220 mg/m <sup>3</sup>	
		50 ppm	
		4 mg/m <sup>3</sup>	Respirable dust.
		10 mg/m <sup>3</sup>	Inhalable dust.

**Biological limit values****UK. EH40 Biological Monitoring Guidance Values (BMGVs)**

Components	Value	Determinant	Specimen	Sampling Time
4-methylpentan-2-one; isobutyl methyl ketone (CAS 108-10-1)	20 µmol/l	4-Methylpentan-2-one	Urine	*
Xylene (CAS 1330-20-7)	650 mmol/mol	Methyl hippuric acid	Creatinine in urine	*

\* - For sampling details, please see the source document.

**Recommended monitoring procedures** Follow standard monitoring procedures.

**Derived no effect levels (DNELs)****General Population**

Components	Value	Assessment factor	Notes
1-METHOXY-2-PROPANOL; MONOPROPYLENE GLYCOL METHYL ETHER (CAS 107-98-2)			
Long-term, Systemic, Dermal	78 mg/kg bw/day	16.8	Repeated dose toxicity
Long-term, Systemic, Inhalation	43.9 mg/m <sup>3</sup>		Repeated dose toxicity
Long-term, Systemic, Oral	33 mg/kg bw/day	28	Repeated dose toxicity
4-methylpentan-2-one; isobutyl methyl ketone (CAS 108-10-1)			
Long-term, Local, Inhalation	14.7 mg/m <sup>3</sup>		
Short-term, Local, Inhalation	155.2 mg/m <sup>3</sup>		
Ethylbenzene (CAS 100-41-4)			
Long-term, Systemic, Inhalation	15 mg/m <sup>3</sup>	5	Repeated dose toxicity
Long-term, Systemic, Oral	1.6 mg/kg bw/day	40	Repeated dose toxicity
Fatty acids, C6-19-branched, zinc salts (CAS 68551-44-0)			
Long-term, Systemic, Dermal	83 mg/kg	1	Repeated dose toxicity
Long-term, Systemic, Inhalation	2.5 mg/m <sup>3</sup>	1	Repeated dose toxicity
Xylene (CAS 1330-20-7)			
Long-term, Local, Inhalation	65.3 mg/m <sup>3</sup>	1.7	irritation respiratory tract
Long-term, Systemic, Dermal	125 mg/kg bw/day	1.7	Neurotoxicity
Short-term, Local, Inhalation	260 mg/m <sup>3</sup>	1.7	Neurotoxicity

**Workers**

Components	Value	Assessment factor	Notes
1-METHOXY-2-PROPANOL; MONOPROPYLENE GLYCOL METHYL ETHER (CAS 107-98-2)			
Long-term, Systemic, Dermal	183 mg/kg bw/day	10.08	Repeated dose toxicity
Long-term, Systemic, Inhalation	369 mg/m <sup>3</sup>		Repeated dose toxicity
Short-term, Local, Inhalation	553.5 mg/m <sup>3</sup>		Neurotoxicity
Short-term, Systemic, Inhalation	553.5 mg/m <sup>3</sup>		Neurotoxicity
4-methylpentan-2-one; isobutyl methyl ketone (CAS 108-10-1)			
Long-term, Local, Inhalation	83 mg/m <sup>3</sup>		
Short-term, Local, Inhalation	208 mg/m <sup>3</sup>		
Ethylbenzene (CAS 100-41-4)			
Long-term, Systemic, Dermal	180 mg/kg bw/day	12	Repeated dose toxicity
Long-term, Systemic, Inhalation	77 mg/m <sup>3</sup>	3	Repeated dose toxicity

Short-term, Local, Inhalation	293 mg/m <sup>3</sup>	3	irritation respiratory tract
Fatty acids, C6-19-branched, zinc salts (CAS 68551-44-0)			
Long-term, Systemic, Dermal	83 mg/kg	1	Repeated dose toxicity
Long-term, Systemic, Inhalation	5 mg/m <sup>3</sup>	1	Repeated dose toxicity
Xylene (CAS 1330-20-7)			
Long-term, Local, Inhalation	221 mg/m <sup>3</sup>	1	irritation respiratory tract
Long-term, Systemic, Dermal	212 mg/kg bw/day	1	Neurotoxicity
Long-term, Systemic, Inhalation	221 mg/m <sup>3</sup>	1	Neurotoxicity

#### Predicted no effect concentrations (PNECs)

Components	Value	Assessment factor	Notes
1-METHOXY-2-PROPANOL; MONOPROPYLENE GLYCOL METHYL ETHER (CAS 107-98-2)			
Freshwater	10 mg/l	100	
Sediment (freshwater)	52.3 mg/kg		
Soil	4.59 mg/kg		
STP	100 mg/l	10	
4-methylpentan-2-one; isobutyl methyl ketone (CAS 108-10-1)			
Freshwater	0.6 mg/l	50	
Sediment (freshwater)	8.27 mg/kg		
Soil	1.3 mg/kg		
Ethylbenzene (CAS 100-41-4)			
Freshwater	0.1 mg/l		
Secondary poisoning	0.02 g/kg		Oral
Sediment (freshwater)	13.7 mg/kg		
Soil	2.68 mg/kg		
STP	9.6 mg/l	10	
Fatty acids, C6-19-branched, zinc salts (CAS 68551-44-0)			
Freshwater	20.6 µg/l	1	
Secondary poisoning	0.017 g/kg	90	Oral
Sediment (freshwater)	117.8 mg/kg	1	
Soil	35.6 mg/kg	1	
titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm] (CAS 13463-67-7)			
Freshwater	0.184 mg/l	10	
Sediment (freshwater)	1000 mg/kg	100	
Soil	100 mg/kg	10	
STP	100 mg/l	10	
Xylene (CAS 1330-20-7)			
Freshwater	0.327 mg/l	1	
Sediment (freshwater)	12.46 mg/kg	1	
Soil	2.31 mg/kg	1	
STP	6.58 mg/l	1	

## 8.2. Exposure controls

### Appropriate engineering controls

Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Provide eyewash station and safety shower.

### Individual protection measures, such as personal protective equipment

#### General information

Use personal protective equipment as required. Personal protection equipment should be chosen according to the CEN standards and in discussion with the supplier of the personal protective equipment.

#### Eye/face protection

Wear safety glasses with side shields (or goggles). Use eye protection conforming to EN 166.

#### Skin protection

##### - Hand protection

When handling the product wear chemical-resistant gloves (standard EN 374). The breakthrough time of the glove should be longer than the total duration of product use. If work lasts longer than the breakthrough time, gloves should be changed part-way through. Full contact: Glove material: nitrile. Use gloves with breakthrough time of 480 minutes. Minimum glove thickness 0.38 mm.

##### - Other

Wear appropriate chemical resistant clothing.

#### Respiratory protection

In case of insufficient ventilation, wear suitable respiratory equipment. Chemical respirator with organic vapour cartridge. (Filter type AX)

#### Thermal hazards

Wear appropriate thermal protective clothing, when necessary.

### Hygiene measures

When using do not smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

**Environmental exposure controls**

Inform appropriate managerial or supervisory personnel of all environmental releases. Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. Fume scrubbers, filters or engineering modifications to the process equipment may be necessary to reduce emissions to acceptable levels.

**SECTION 9: Physical and chemical properties****9.1. Information on basic physical and chemical properties****Appearance**

<b>Physical state</b>	Liquid.
<b>Form</b>	Aerosol.
<b>Colour</b>	See color cap.

**Odour** Characteristic odor.

**Odour threshold** Not available.

**pH** Not applicable.

**Melting point/freezing point** -95 °C (-139 °F) estimated

**Initial boiling point and boiling range** 116.5 °C (241.7 °F) estimated

**Flash point** 15.0 °C (59.0 °F) Closed cup

**Evaporation rate** Not available.

**Flammability (solid, gas)** Not available.

**Upper/lower flammability or explosive limits**

**Flammability limit - lower (%)** 1.2 % estimated

**Flammability limit - upper (%)** 12 % estimated

**Vapour pressure** Not available.

**Vapour density** Not available.

**Relative density** 1.08 g/cm<sup>3</sup> at 20°C

**Solubility(ies)**

**Solubility (water)** Insoluble in water

**Auto-ignition temperature** > 200 °C (> 392 °F)

**Decomposition temperature** Not available.

**Viscosity** Not available.

**Explosive properties** Not explosive.

**Oxidising properties** Not oxidising.

**9.2. Other information**

**Heat of combustion** 22.03 kJ/g estimated

**VOC** 618 g/l

**SECTION 10: Stability and reactivity**

**10.1. Reactivity** The product is stable and non-reactive under normal conditions of use, storage and transport.

**10.2. Chemical stability** Material is stable under normal conditions.

**10.3. Possibility of hazardous reactions** No dangerous reaction known under conditions of normal use.

**10.4. Conditions to avoid** Avoid high temperatures.

**10.5. Incompatible materials** Strong oxidising agents.

**10.6. Hazardous decomposition products** Carbon oxides.

**SECTION 11: Toxicological information**

**General information** Occupational exposure to the substance or mixture may cause adverse effects.

**Information on likely routes of exposure**

**Inhalation** Prolonged inhalation may be harmful.

**Eye contact** Causes serious eye irritation.

**Skin contact** Causes skin irritation.

**Ingestion** May cause discomfort if swallowed. However, ingestion is not likely to be a primary route of occupational exposure.

**Symptoms**

Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Skin irritation. May cause redness and pain.

**11.1. Information on toxicological effects****Acute toxicity**

Based on available data, the classification criteria are not met.

<b>Product</b>	<b>Species</b>	<b>Test Results</b>
GALVA COLOUR ALLCOL		
<b>Acute</b>		
<b>Dermal</b>		
ATEmix		4898.69 mg/kg
<b>Components</b>		
<b>Species</b>		
<b>Test Results</b>		
1-METHOXY-2-PROPANOL; MONOPROPYLENE GLYCOL METHYL ETHER (CAS 107-98-2)		
<b>Acute</b>		
<b>Dermal</b>		
LD50	Rabbit	13 g/kg
<b>Inhalation</b>		
LC50	Rat	54.6 mg/l, 4 Hours
<b>Oral</b>		
LD50	Rat	5.71 g/kg
4-methylpentan-2-one; isobutyl methyl ketone (CAS 108-10-1)		
<b>Acute</b>		
<b>Dermal</b>		
LD50	Rabbit	> 16000 mg/kg
<b>Inhalation</b>		
LC50	Rat	11 mg/l/4h
<b>Oral</b>		
LD50	Rat	2080 mg/kg
Dimethyl ether (CAS 115-10-6)		
<b>Acute</b>		
<b>Inhalation</b>		
LC50	Rat	308.5 mg/l, 4 Hours
Ethylbenzene (CAS 100-41-4)		
<b>Acute</b>		
<b>Dermal</b>		
LD50	Rabbit	17800 mg/kg
<b>Inhalation</b>		
LC50	Rat	17.2 mg/l/4h
<b>Oral</b>		
LD50	Rat	3500 mg/kg
titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm] (CAS 13463-67-7)		
<b>Acute</b>		
<b>Dermal</b>		
LD50	Rabbit	10000 mg/kg
<b>Inhalation</b>		
LC50		> 5 mg/l
<b>Oral</b>		
LD50	Rat	10000 mg/kg
Xylene (CAS 1330-20-7)		
<b>Acute</b>		
<b>Dermal</b>		
LD50	Rabbit	12126 mg/kg
<b>Inhalation</b>		
LC50	Rat	27124 mg/m <sup>3</sup>
<b>Oral</b>		
LD50	Rat	3523 mg/kg



Components	Species	Test Results
Zinc oxide (CAS 1314-13-2)		
<b>Acute</b>		
<b>Dermal</b>		
LD50	Rabbit	> 2000 mg/l
<b>Inhalation</b>		
LC50	Mammal	2500 mg/m <sup>3</sup>
<b>Oral</b>		
LD50	Mouse	7950 mg/kg
<b>Skin corrosion/irritation</b>	Causes skin irritation.	
<b>Serious eye damage/eye irritation</b>	Causes serious eye irritation.	
<b>Respiratory sensitisation</b>	Based on available data, the classification criteria are not met.	
<b>Skin sensitisation</b>	Based on available data, the classification criteria are not met.	
<b>Germ cell mutagenicity</b>	Based on available data, the classification criteria are not met.	
<b>Carcinogenicity</b>	Based on available data, the classification criteria are not met.	
<b>Reproductive toxicity</b>	Based on available data, the classification criteria are not met.	
<b>Specific target organ toxicity - single exposure</b>	Based on available data, the classification criteria are not met.	
<b>Specific target organ toxicity - repeated exposure</b>	Based on available data, the classification criteria are not met.	
<b>Aspiration hazard</b>	Not likely, due to the form of the product.	
<b>Mixture versus substance information</b>	Not available.	

## SECTION 12: Ecological information

**12.1. Toxicity** Harmful to aquatic life with long lasting effects.

Components	Species	Test Results
1-METHOXY-2-PROPANOL; MONOPROPYLENE GLYCOL METHYL ETHER (CAS 107-98-2)		
<b>Aquatic</b>		
<i>Acute</i>		
Algae	EC50	Algae > 1000 mg/l, 72 h
Crustacea	EC50	Daphnia > 1000 mg/l, 48 h
Fish	LC50	Oncorhynchus mykiss > 1000 mg/l, 96 h
4-methylpentan-2-one; isobutyl methyl ketone (CAS 108-10-1)		
<b>Aquatic</b>		
<i>Acute</i>		
Algae	EC50	Algae 980 mg/l, 48 h
Crustacea	EC50	Water flea (Daphnia magna) 3682 mg/l, 24 hours
Fish	LC50	Carp (Leuciscus idus melanotus) 672 mg/l, 48 hours
Dimethyl ether (CAS 115-10-6)		
<b>Aquatic</b>		
<i>Acute</i>		
Crustacea	EC50	Daphnia 4.4 mg/l
Fish	LC50	Fish 4.1 mg/l
Ethylbenzene (CAS 100-41-4)		
<b>Aquatic</b>		
<i>Acute</i>		
Algae	EC50	Algae 63 mg/l, 3 h
Crustacea	EC50	Crustacea 75 mg/l, 48 h
Fish	LC50	Fish 42.3 mg/l, 96 h

Components	Species	Test Results
titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm] (CAS 13463-67-7)		
<b>Aquatic</b>		
<i>Acute</i>		
Crustacea	EC50	Water flea (Daphnia magna) > 1000 mg/l, 48 hours
Fish	LC50	Mummichog (Fundulus heteroclitus) > 1000 mg/l, 96 hours
Zinc oxide (CAS 1314-13-2)		
<i>Acute</i>		
	EC50	Selenastrum capricornutum (new name) 0.137 mg/l, 72 hours Pseudokirchnerella subca
<b>Aquatic</b>		
<i>Acute</i>		
Crustacea	EC50	Daphnia magna 0.413 mg/l, 48 hours
<i>Chronic</i>		
Crustacea	NOEC	Daphnia magna 82 µg/l, 7 days
<b>12.2. Persistence and degradability</b>	No data is available on the degradability of any ingredients in the mixture.	
<b>12.3. Bioaccumulative potential</b>		
<b>Partition coefficient</b>		
<b>n-octanol/water (log Kow)</b>		
1-METHOXY-2-PROPANOL; MONOPROPYLENE GLYCOL METHYL ETHER	-0.49	
4-methylpentan-2-one; isobutyl methyl ketone	1.31	
Dimethyl ether	0.1	
Ethylbenzene	3.15	
<b>12.4. Mobility in soil</b>	No data available.	
<b>12.5. Results of PBT and vPvB assessment</b>	This mixture does not contain substances assessed to be vPvB / PBT according to Regulation (EC) No 1907/2006, Annex XIII.	
<b>12.6. Other adverse effects</b>	No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component. GWP: 1	

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

<b>Residual waste</b>	Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).
<b>Contaminated packaging</b>	Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal. Do not re-use empty containers.
<b>EU waste code</b>	The Waste code should be assigned in discussion between the user, the producer and the waste disposal company.
<b>Disposal methods/information</b>	Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Contents under pressure. Do not puncture, incinerate or crush. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations.
<b>Special precautions</b>	Dispose in accordance with all applicable regulations.

## SECTION 14: Transport information

### ADR

<b>14.1. UN number</b>	UN1950
<b>14.2. UN proper shipping name</b>	AEROSOLS, flammable
<b>14.3. Transport hazard class(es)</b>	
<b>Class</b>	2.1
<b>Subsidiary risk</b>	-
<b>Label(s)</b>	2.1
<b>Hazard No. (ADR)</b>	Not available.
<b>Tunnel restriction code</b>	D
<b>14.4. Packing group</b>	Not applicable
<b>14.5. Environmental hazards</b>	No.

**14.6. Special precautions for user** Not available.

**RID**

**14.1. UN number** UN1950  
**14.2. UN proper shipping name** AEROSOLS, flammable  
**14.3. Transport hazard class(es)**  
    **Class** 2.1  
    **Subsidiary risk** -  
    **Label(s)** 2.1  
**14.4. Packing group** Not available.  
**14.5. Environmental hazards** No.  
**14.6. Special precautions for user** Not available.

**ADN**

**14.1. UN number** UN1950  
**14.2. UN proper shipping name** AEROSOLS, flammable  
**14.3. Transport hazard class(es)**  
    **Class** 2.1  
    **Subsidiary risk** -  
    **Label(s)** 2.1  
**14.4. Packing group** Not available.  
**14.5. Environmental hazards** No.  
**14.6. Special precautions for user** Not available.

**IATA**

**14.1. UN number** UN1950  
**14.2. UN proper shipping name** Aerosols, flammable  
**14.3. Transport hazard class(es)**  
    **Class** 2.1  
    **Subsidiary risk** -  
**14.4. Packing group** NA  
**14.5. Environmental hazards** No.  
**ERG Code** 10L  
**14.6. Special precautions for user** Not available.  
**Other information**  
    **Passenger and cargo aircraft** Allowed with restrictions.  
    **Cargo aircraft only** Allowed with restrictions.

**IMDG**

**14.1. UN number** UN1950  
**14.2. UN proper shipping name** Aerosols, flammable  
**14.3. Transport hazard class(es)**  
    **Class** 2.1  
    **Subsidiary risk** -  
**14.4. Packing group** NA  
**14.5. Environmental hazards**  
    **Marine pollutant** No.  
**EmS** F-D, S-U  
**14.6. Special precautions for user** Not available.

**14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** Not established.



## SECTION 15: Regulatory information

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

#### Retained direct EU regulations

**Regulation (EC) No. 1005/2009 on substances that deplete the ozone layer, Annex I and II, as amended**

Not listed.

**Regulation (EU) 2019/1021 On persistent organic pollutants (recast), as amended**

Not listed.

**Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 1 as amended**

Not listed.

**Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 2 as amended**

Not listed.

**Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 3 as amended**

Not listed.

**Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex V as amended**

Not listed.

**Regulation (EC) No. 166/2006 Annex II Pollutant Release and Transfer Registry, as amended**

Fatty acids, C6-19-branched, zinc salts (CAS 68551-44-0)

trizinc bis(orthophosphate) (CAS 7779-90-0)

Zinc oxide (CAS 1314-13-2)

Ethylbenzene (CAS 100-41-4)

Xylene (CAS 1330-20-7)

**Regulation (EC) No. 1907/2006, REACH Article 59(10) Candidate List as currently published by ECHA**

Not listed.

#### Authorisations

**Regulation (EC) No. 1907/2006, REACH Annex XIV Substances subject to authorization, as amended**

Not listed.

#### Restrictions on use

**Regulation (EC) No. 1907/2006, REACH Annex XVII Substances subject to restriction on marketing and use as amended**

Dimethyl ether (CAS 115-10-6)

Ethylbenzene (CAS 100-41-4)

titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter  $\leq 10 \mu\text{m}$ ] (CAS 13463-67-7)

Xylene (CAS 1330-20-7)

#### Other EU regulations

**Directive 2012/18/EU on major accident hazards involving dangerous substances, as amended**

1-METHOXY-2-PROPANOL; MONOPROPYLENE GLYCOL METHYL ETHER (CAS 107-98-2)

4-methylpentan-2-one; isobutyl methyl ketone (CAS 108-10-1)

Dimethyl ether (CAS 115-10-6)

Ethylbenzene (CAS 100-41-4)

trizinc bis(orthophosphate) (CAS 7779-90-0)

Xylene (CAS 1330-20-7)

Zinc oxide (CAS 1314-13-2)

#### Other regulations

The product is classified and labelled in accordance with Regulation (EC) 1272/2008 (CLP Regulation) as amended. This Safety Data Sheet complies with the requirements of Regulation (EC) No 1907/2006, as amended.

#### 15.2. Chemical safety assessment

No Chemical Safety Assessment has been carried out.

## SECTION 16: Other information

#### List of abbreviations

ADN: European Agreement Concerning the International Carriage of Dangerous Goods by Inland Waterways.

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.

ADR: European Agreement Concerning the International Carriage of Dangerous Goods by Road.  
ATE: Acute Toxicity Estimate according to REGULATION (EC) No 1272/2008 (CLP).  
CAS: Chemical Abstract Service.  
Ceiling: Short Term Exposure Limit Ceiling value.  
CEN: European Committee for Standardization.  
CLP: Classification, Labeling and Packaging REGULATION (EC) No 1272/2008 on classification, labeling and packaging of substances and mixtures.  
GWP: Global Warming Potential.  
IATA: International Air Transport Association.  
IBC Code: International Code for the Construction and Equipment of Ships Carrying Dangerous Chemicals in Bulk.  
IMDG: International Maritime Dangerous Goods.  
MAK: Threshold limit values Germany (Maximale Arbeitsplatzkonzentration - DFG).  
MARPOL: International Convention for the Prevention of Pollution from Ships.  
PBT: Persistent, bioaccumulative and toxic.  
REACH: Registration, Evaluation and Authorization of Chemicals (REGULATION (EC) No 1907/2006 concerning Registration, Evaluation Authorization and Restriction of Chemicals).  
RID: Regulations concerning the international carriage of dangerous goods by rail (Règlement International concernant le transport de marchandises dangereuses par chemin de fer).  
RID: Regulations concerning the International Carriage of Dangerous Goods by Rail.  
STEL: Short term exposure limit.  
TLV: Threshold Limit Value.  
TWA: Time Weighted Average.  
VOC: Volatile organic compounds.  
vPvB: Very persistent and very bioaccumulative.  
STEL: Short-term Exposure Limit.

#### References

Not available.

#### Information on evaluation method leading to the classification of mixture

Not available.

#### Full text of any H-statements not written out in full under Sections 2 to 15

H220 Extremely flammable gas.  
H225 Highly flammable liquid and vapour.  
H226 Flammable liquid and vapour.  
H280 Contains gas under pressure; may explode if heated.  
H304 May be fatal if swallowed and enters airways.  
H312 Harmful in contact with skin.  
H315 Causes skin irritation.  
H319 Causes serious eye irritation.  
H332 Harmful if inhaled.  
H335 May cause respiratory irritation.  
H336 May cause drowsiness or dizziness.  
H400 Very toxic to aquatic life.  
H410 Very toxic to aquatic life with long lasting effects.  
H411 Toxic to aquatic life with long lasting effects.  
H412 Harmful to aquatic life with long lasting effects.

#### Revision information

None.

#### Training information

Not available.

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