



# SAFETY DATA SHEET

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

### 1.1. Product identifier

Trade name or designation of the mixture	Zinc
Registration number	-
UFI:	HS8X-G8V9-A00N-18TH
Synonyms	None.
Product code	BDS002445AE
Issue date	25-March-2022
Version number	1.0
Revision date	25-March-2022

### 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 Europe bv
Address	Touwslagerstraat 1 9240 Zele Belgium
Telephone	+32(0)52/45.60.11
Fax	+32(0)52/45.00.34
E-mail	<a href="mailto:hse@crcind.com">hse@crcind.com</a>
Website	<a href="http://www.crcind.com">www.crcind.com</a>

1.4. Emergency telephone number Tel.: +32(0)52/45.60.11 (office hours: 9-17h CET)

## 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.
----------	------------	---

##### Health hazards

Skin corrosion/irritation	Category 2	H315 - Causes skin irritation.
Serious eye damage/eye irritation	Category 2	H319 - Causes serious eye irritation.
Specific target organ toxicity - single exposure	Category 3 narcotic effects	H336 - May cause drowsiness or dizziness.

##### Environmental hazards

Hazardous to the aquatic environment, acute aquatic hazard	Category 1	H400 - Very toxic to aquatic life.
Hazardous to the aquatic environment, long-term aquatic hazard	Category 1	H410 - Very toxic to aquatic life with long lasting effects.

### 2.2. Label elements

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

Contains:	butanone; ethyl methyl ketone, Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, < 5% n-hexane, Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics
-----------	---

## 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.
H336	May cause drowsiness or dizziness.
H410	Very toxic 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.
P261	Avoid breathing mist/vapours.
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.  
VOC < <675 g/L

## 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	50 - 75	115-10-6 204-065-8	01-2119472128-37	603-019-00-8	#
<b>Classification:</b> Press. Gas;H280					
zinc	25 - 50	7440-66-6 231-175-3	01-2119467174-37	030-001-01-9	
<b>Classification:</b> Aquatic Acute 1;H400, Aquatic Chronic 1;H410					
butanone; ethyl methyl ketone	5 - 10	78-93-3 201-159-0	01-2119457290-43	606-002-00-3	#
<b>Classification:</b> Flam. Liq. 2;H225, Eye Irrit. 2;H319, STOT SE 3;H336					
Hydrocarbons, C6-C7, n-alkanes,isoalkanes,cyclics,< 5% n-hexane	5 - 10	- 921-024-6	01-2119475514-35	-	
<b>Classification:</b> Flam. Liq. 2;H225, Skin Irrit. 2;H315, STOT SE 3;H336, Asp. Tox. 1;H304, Aquatic Chronic 2;H411					
Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics	5 - 10	- 919-857-5	01-2119463258-33	-	
<b>Classification:</b> Flam. Liq. 3;H226, STOT SE 3;H336, Asp. Tox. 1;H304					
Zinc oxide	1 - 5	1314-13-2 215-222-5	01-2119463881-32	030-013-00-7	#
<b>Classification:</b> Aquatic Acute 1;H400, Aquatic Chronic 1;H410					
calcium;2-ethylhexanoate	<0.5	136-51-6 205-249-0	01-2119978297-19	-	
<b>Classification:</b> Eye Dam. 1;H318, Repr. 2;H361					

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

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

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.

**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** Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a poison centre or doctor/physician if you feel unwell.

**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** May cause drowsiness or dizziness. Headache. Nausea, vomiting. 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** Foam. Dry powder. Dry sand. Carbon dioxide (CO<sub>2</sub>).

**Unsuitable extinguishing media** Water. 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. 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. Avoid breathing mist/vapours. 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. Avoid breathing mist/vapours. 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. The product is immiscible with water and will sediment in water systems. Prevent product from entering drains. Absorb in vermiculite, dry sand or earth and place into containers. 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.

**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. Do not re-use empty containers. Avoid breathing mist/vapours. 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. Do not puncture, incinerate or crush. Do not handle or store near an open flame, heat or other sources of ignition. This material can accumulate static charge which may cause spark and become an ignition source. 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
butanone; ethyl methyl ketone (CAS 78-93-3)	STEL	899 mg/m <sup>3</sup>	
		300 ppm	
	TWA	600 mg/m <sup>3</sup>	
		200 ppm	
Dimethyl ether (CAS 115-10-6)	STEL	958 mg/m <sup>3</sup>	
		500 ppm	
	TWA	766 mg/m <sup>3</sup>	
		400 ppm	
Zinc oxide (CAS 1314-13-2)	TWA	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
butanone; ethyl methyl ketone (CAS 78-93-3)	70 umol/l	Butan-2-one	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
butanone; ethyl methyl ketone (CAS 78-93-3)			
Long-term, Systemic, Dermal	412 mg/kg bw/day	2	Repeated dose toxicity
Long-term, Systemic, Inhalation	106 mg/m <sup>3</sup>	2	Repeated dose toxicity
calcium;2-ethylhexanoate (CAS 136-51-6)			
Long-term, Systemic, Dermal	6 mg/kg bw/day	40	Effect on fertility
Long-term, Systemic, Inhalation	8 mg/m <sup>3</sup>	10	Effect on fertility
Dimethyl ether (CAS 115-10-6)			
Long-term, Systemic, Inhalation	471 mg/m <sup>3</sup>	25	Repeated dose toxicity
Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, < 5% n-hexane (CAS -)			
Long-term, Systemic, Dermal	699 mg/kg bw/day		
Long-term, Systemic, Inhalation	608 mg/m <sup>3</sup>		
Long-term, Systemic, Oral	699 mg/kg bw/day		
Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics (CAS -)			
Long-term, Systemic, Dermal	300 mg/kg		
Long-term, Systemic, Inhalation	900 mg/m <sup>3</sup>		

Long-term, Systemic, Oral 300 mg/kg

### Workers

Components	Value	Assessment factor	Notes
butanone; ethyl methyl ketone (CAS 78-93-3)			
Long-term, Systemic, Dermal	1161 mg/kg bw/day	1	Repeated dose toxicity
Long-term, Systemic, Inhalation	600 mg/m3	1	Repeated dose toxicity
calcium;2-ethylhexanoate (CAS 136-51-6)			
Long-term, Systemic, Dermal	5.67 mg/kg bw/day	20	developmental toxicity / teratogenicity
Long-term, Systemic, Inhalation	32 mg/m3	5	developmental toxicity / teratogenicity
Dimethyl ether (CAS 115-10-6)			
Long-term, Systemic, Inhalation	1894 mg/m3	12.5	Repeated dose toxicity
Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, < 5% n-hexane (CAS -)			
Long-term, Systemic, Dermal	773 mg/kg bw/day		
Long-term, Systemic, Inhalation	2035 mg/m3		
Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics (CAS -)			
Long-term, Systemic, Dermal	300 mg/kg		
Short-term, Systemic, Inhalation	1500 mg/m3		

### Predicted no effect concentrations (PNECs)

Components	Value	Assessment factor	Notes
butanone; ethyl methyl ketone (CAS 78-93-3)			
Freshwater	55.8 mg/l	1	
Secondary poisoning	1000 mg/kg	30	Oral
Sediment (freshwater)	284.74 mg/kg		
Soil	22.5 mg/kg	1	
Dimethyl ether (CAS 115-10-6)			
Freshwater	0.155 mg/l	1000	
Sediment (freshwater)	0.681 mg/kg		
Soil	0.045 mg/kg		
STP	160 mg/l	10	
zinc (CAS 7440-66-6)			
Freshwater	20.6 µg/l	1	
Sediment (freshwater)	117.8 mg/kg	1	
Soil	35.6 mg/kg	1	
STP	100 µg/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. Nitrile gloves are recommended. Suitable gloves can be recommended by the glove supplier.

##### - Other

Wear appropriate chemical resistant clothing.

#### Respiratory protection

In case of insufficient ventilation, wear suitable respiratory equipment. Chemical respirator with organic vapour cartridge and full facepiece. (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.

<b>Environmental exposure controls</b>	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>	Grey
<b>Odour</b>	Characteristic odor.
<b>Odour threshold</b>	Not available.
<b>pH</b>	Not applicable.
<b>Melting point/freezing point</b>	-86.6 °C (-124 °F) estimated
<b>Initial boiling point and boiling range</b>	61 °C (141.8 °F) estimated
<b>Flash point</b>	< 0 °C (< 32.0 °F) Closed cup
<b>Evaporation rate</b>	Not available.
<b>Flammability (solid, gas)</b>	Not available.
<b>Upper/lower flammability or explosive limits</b>	
<b>Flammability limit - lower (%)</b>	0.6 % estimated
<b>Flammability limit - upper (%)</b>	10 % estimated
<b>Vapour pressure</b>	Not available.
<b>Vapour density</b>	Not available.
<b>Relative density</b>	1.42 g/cm <sup>3</sup> at 20°C
<b>Solubility(ies)</b>	
<b>Solubility (water)</b>	Insoluble in water
<b>Auto-ignition temperature</b>	> 200 °C (> 392 °F)
<b>Decomposition temperature</b>	Not available.
<b>Viscosity</b>	Not available.
<b>Explosive properties</b>	Not explosive.
<b>Oxidising properties</b>	Not oxidising.

### 9.2. Other information

<b>Heat of combustion (NFPA 30B)</b>	15.55 kJ/g estimated
<b>VOC</b>	640 g/l

## SECTION 10: Stability and reactivity

<b>10.1. Reactivity</b>	The product is stable and non-reactive under normal conditions of use, storage and transport.
<b>10.2. Chemical stability</b>	Material is stable under normal conditions.
<b>10.3. Possibility of hazardous reactions</b>	No dangerous reaction known under conditions of normal use.
<b>10.4. Conditions to avoid</b>	Avoid high temperatures.
<b>10.5. Incompatible materials</b>	Strong oxidising agents. Amines. Ammonia. Caustics. Isocyanates.
<b>10.6. Hazardous decomposition products</b>	Carbon oxides.

## SECTION 11: Toxicological information

<b>General information</b>	Occupational exposure to the substance or mixture may cause adverse effects.
----------------------------	--

### Information on likely routes of exposure

<b>Inhalation</b>	May cause drowsiness or dizziness. Headache. Nausea, vomiting. Prolonged inhalation may be harmful.
<b>Eye contact</b>	Causes serious eye irritation.
<b>Skin contact</b>	Causes skin irritation.

<b>Ingestion</b>	May cause discomfort if swallowed. However, ingestion is not likely to be a primary route of occupational exposure.
<b>Symptoms</b>	May cause drowsiness or dizziness. Headache. Nausea, vomiting. 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.

Components	Species	Test Results
butanone; ethyl methyl ketone (CAS 78-93-3)		
<b>Acute</b>		
<b>Dermal</b>		
LD50	Rabbit	> 8000 mg/kg
<b>Oral</b>		
LD50	Rat	2300 - 3500 mg/kg
Dimethyl ether (CAS 115-10-6)		
<b>Acute</b>		
<b>Inhalation</b>		
LC50	Rat	308.5 mg/l, 4 Hours
Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, < 5% n-hexane		
<b>Acute</b>		
<b>Dermal</b>		
LD50	Rat	2920 mg/kg bw/day, 24 h
<b>Inhalation</b>		
LC50	Rat	25200 mg/m <sup>3</sup> , 4 h
<b>Oral</b>		
LD50	Rat	5840 mg/kg bw/day
Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics		
<b>Acute</b>		
<b>Dermal</b>		
LD50	Rabbit	> 5000 mg/kg
<b>Oral</b>		
LD50	Rat	> 5000 mg/kg
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>	May cause drowsiness or dizziness.	
<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** Very toxic to aquatic life with long lasting effects.

Components		Species	Test Results
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
Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, < 5% n-hexane			
<b>Aquatic</b>			
<i>Acute</i>			
Algae	EC50	Algae	> 30 - < 100 mg/l, 72 h
Crustacea	EC50	Daphnia	3 mg/l, 48 h
Fish	LC50	Fish	11.4 mg/l, 96 h
Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics			
<i>Acute</i>			
Other	LC50	Pseudokirchnerella subcapitata	> 1000 mg/l, 72 h
<b>Aquatic</b>			
<i>Acute</i>			
Fish	LC50	Oncorhynchus mykiss	> 1000 mg/l
Zinc oxide (CAS 1314-13-2)			
<i>Acute</i>			
	EC50	Selenastrum capricornutum (new name) Pseudokirchnerella subca	0.137 mg/l, 72 hours
<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

**12.2. Persistence and degradability** No data is available on the degradability of any ingredients in the mixture.

### 12.3. Bioaccumulative potential

#### Partition coefficient

#### n-octanol/water (log Kow)

butanone; ethyl methyl ketone	0.29
Dimethyl ether	0.1

**12.4. Mobility in soil** No data available.

**12.5. Results of PBT and vPvB assessment** This mixture does not contain substances assessed to be vPvB / PBT according to Regulation (EC) No 1907/2006, Annex XIII.

**12.6. Other adverse effects** The product contains volatile organic compounds which have a photochemical ozone creation potential.  
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

14.1. UN number	UN1950
14.2. UN proper shipping name	AEROSOLS
14.3. Transport hazard class(es)	
Class	2.1
Subsidiary risk	-
Hazard No. (ADR)	Not available.
Tunnel restriction code	D
14.4. Packing group	Not applicable
14.5. Environmental hazards	Yes
14.6. Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.

### RID

14.1. UN number	UN1950
14.2. UN proper shipping name	AEROSOLS
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	Yes
14.6. Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.

### ADN

14.1. UN number	UN1950
14.2. UN proper shipping name	AEROSOLS
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	Yes
14.6. Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.

### IATA

14.1. UN number	UN1950
14.2. UN proper shipping name	AEROSOLS
14.3. Transport hazard class(es)	
Class	2.1
Subsidiary risk	-
14.4. Packing group	Not applicable
14.5. Environmental hazards	Yes
14.6. Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.

### IMDG

14.1. UN number	UN1950
14.2. UN proper shipping name	AEROSOLS, MARINE POLLUTANT
14.3. Transport hazard class(es)	
Class	2.1
Subsidiary risk	-
14.4. Packing group	Not applicable
14.5. Environmental hazards	
Marine pollutant	Yes
EmS	F-D, S-U
14.6. Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not established.

ADN; ADR; IATA; IMDG; RID



Marine pollutant



## 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

zinc (CAS 7440-66-6)

Zinc oxide (CAS 1314-13-2)

**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

butanone; ethyl methyl ketone (CAS 78-93-3)

Dimethyl ether (CAS 115-10-6)

zinc (CAS 7440-66-6)

Other EU regulations

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

butanone; ethyl methyl ketone (CAS 78-93-3)

Dimethyl ether (CAS 115-10-6)

zinc (CAS 7440-66-6)

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.

Follow national regulation for work with chemical agents in accordance with Directive 98/24/EC, as amended.

VOC content declaration according to directive 2004/42/EC:

Subcategory: Special finishes, Coating: All types, Maximum VOC content limit value = 840 g/l

## 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

The classification for health and environmental hazards is derived by a combination of calculation methods and test data, if 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.

H315 Causes skin irritation.

H318 Causes serious eye damage.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

H361 Suspected of damaging fertility or the unborn child.

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.

### Revision information

None.

### Training information

Follow training instructions when handling this material.

**Disclaimer**

CRC Industries Europe bvba cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used. It is the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use. The information in the sheet was written based on the best knowledge and experience currently available. Apart from any fair dealing for purposes of study, research and review of health, safety and environmental risks, no part of these documents may be reproduced by any process without written permission from CRC.