SAFETY DATA SHEET

This safety data sheet was created pursuant to the requirements of:
UK REACH Regulations (SI 2019/758 as amended)

Supersedes Date 09/22/2021 **Revision date** 08/14/2023 **Revision Number** 10

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

1.1. Product identifier

Product Code(s) 1590020UK9, 1590022UK9, 1590042UK9, 1590080UK9, 1590120UK9

Safety data sheet number 12404

Product Name Fosroc Galvafroid

Unique Formula Identifier (UFI) F750-60SQ-J003-EXHA

Pure substance/mixture Mixture

Contains ZINC POWDER, HYDROCARBONS, C9, aromatics, CHLORINATED PARAFFIN (C14-17)

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

Recommended use Rust-preventing primer.

Uses advised against No information available

1.3. Details of the supplier of the safety data sheet

Supplier
Fosroc International Limited
Drayton Manor Business Park
Coleshill Road
Tamworth
Staffordshire
B78 3XN
England
Tel. +44 (0) 1827 262222
Fax. +44 (0) 1827 262444

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E-mail address enquiryuk@fosroc.com

Non-Emergency Telephone Number 01827 262222

1.4. Emergency telephone number

Emergency Telephone +44 (0) 1827 265 279 (Monday to Sunday, 24 hours a day)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Aspiration hazard	Category 1 - (H304)
Acute toxicity - Oral	Category 4 - (H302)
Effects on or via lactation	Yes - (H362)
Acute aquatic toxicity	Category 1 - (H400)
Chronic aquatic toxicity	Category 1 - (H410)
Flammable liquids	Category 3 - (H226)
Category 3 - (H261)	

2.2. Label elements

Contains ZINC POWDER, HYDROCARBONS, C9, aromatics, CHLORINATED PARAFFIN (C14-17)

Signal word
Danger

Hazard statements
H302 - Harmful if swallowed
H304 - May be fatal if swallowed and enters airways
H362 - May cause harm to breast-fed children
H410 - Very toxic to aquatic life with long lasting effects
H226 - Flammable liquid and vapor
H261 - In contact with water releases flammable gas

Precautionary statements
P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking
P233 - Keep container tightly closed
P260 - Do not breathe dust/fume/gas/mist/vapors/spray
P280 - Wear protective gloves/protective clothing/eye protection/face protection
P301 + P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor
P303 + P361 + P353 - IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower

Additional information
This product requires child resistant fastenings if supplied to the general public. This product requires tactile warnings if supplied to the general public.

2.3. Other hazards

This product does not contain any substances classified as PBT or vPvB according to applicable EU criteria.

SECTION 3: Composition/information on ingredients

3.1 Substances

Not applicable

3.2 Mixtures

Chemical name	Weight-%	EC No (EU Index No)	UK REACH registration number	Classification according to GB CLP (SI 2020/1567 as amended)	Specific concentration limit (SCL)	M-Factor	M-Factor (long-term)
ZINC POWDER 7440-66-6	50 - <100%	231-175-3	-	Aquatic Chronic 1 (H410) Pyr. Sol. 1 (H250) Water (react. 1 - H260)	-	-	-
HYDROCARBONS, C9, aromatics 64742-95-6	10 - <25%	918-668-5	-	Asp. Tox. 1 (H304) STOT SE 3 (H335, H336) Chr. aquatic 2 (H411) Flam. liquid 3 (H226)	-	-	-
ZINC OXIDE 1314-13-2	2.5 - <5%	215-222-5	-	Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)	-	-	-
CHLORINATED PARAFFIN (C14-17) 85535-85-9	1 - <2.5%	287-477-0	-	Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410) Lact. (H362)	-	-	-
CALCIUM OXIDE 1305-78-8	0.025 - <0.25%	215-138-9	-	Eye Dam. 1 (H318) Skin Irrit. 2 (H315) STOT SE 3 (H335)	-	-	-
2-piperazin-1-ylethylamine 140-31-8	<0.025%	205-411-0	-	Acute Tox. 3 (H311) Acute Tox. 4 (H302) Aquatic Chronic 3 (H412) Eye Dam. 1 (H318) Skin Corr. 1B (H314) Skin Sens. 1 (H317)	-	-	-

Full text of H- and EUH-phrases: see section 16

Chemical name	CAS No	SVHC candidates
CHLORINATED PARAFFIN (C14-17)	85535-85-9	X

SECTION 4: First aid measures

4.1. Description of first aid measures

General advice Show this safety data sheet to the doctor in attendance. IF exposed or concerned: Get medical advice/attention. Immediate medical attention is required.

Inhalation Aspiration into lungs can produce severe lung damage. If breathing has stopped, give artificial respiration. Get medical attention immediately. Remove to fresh air. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation. If breathing is difficult, (trained personnel should) give oxygen. Get immediate medical attention. Delayed pulmonary edema may occur.

Eye contact Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep eye wide open while rinsing. Do not rub affected area.

Skin contact Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes.

Ingestion	Do NOT induce vomiting. Rinse mouth. Never give anything by mouth to an unconscious person. ASPIRATION HAZARD IF SWALLOWED - CAN ENTER LUNGS AND CAUSE DAMAGE. If vomiting occurs spontaneously, keep head below hips to prevent aspiration. Get immediate medical attention.
Self-protection of the first aider	Remove all sources of ignition. Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination. Use personal protective equipment as required. See section 8 for more information. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms	Difficulty in breathing. Coughing and/ or wheezing. Dizziness.

4.3. Indication of any immediate medical attention and special treatment needed

Note to physicians	Because of the danger of aspiration, emesis or gastric lavage should not be employed unless the risk is justified by the presence of additional toxic substances.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable Extinguishing Media	Dry chemical. Carbon dioxide (CO2). Water spray. Alcohol resistant foam.
Large Fire	CAUTION: Use of water spray when fighting fire may be inefficient.
Unsuitable extinguishing media	Do not scatter spilled material with high pressure water streams.

5.2. Special hazards arising from the substance or mixture

Specific hazards arising from the chemical	Risk of ignition. Keep product and empty container away from heat and sources of ignition. In the event of fire, cool tanks with water spray. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.
Hazardous combustion products	Carbon oxides. Nitrogen oxides (NOx).

5.3. Advice for firefighters

Special protective equipment and precautions for fire-fighters	Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions	Evacuate personnel to safe areas. Use personal protective equipment as required. See section 8 for more information. Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. Keep people away from and upwind of spill/leak. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Pay attention to flashback. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Do not touch or walk through spilled material.
Other information	Ventilate the area. Refer to protective measures listed in Sections 7 and 8.
For emergency responders	Use personal protection recommended in Section 8.

6.2. Environmental precautions

Environmental precautions Refer to protective measures listed in Sections 7 and 8. Prevent further leakage or spillage if safe to do so. Prevent product from entering drains.

6.3. Methods and material for containment and cleaning up

Methods for containment Stop leak if you can do it without risk. Do not touch or walk through spilled material. A vapor suppressing foam may be used to reduce vapors. Dike far ahead of spill to collect runoff water. Keep out of drains, sewers, ditches and waterways. Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal.

Methods for cleaning up Take precautionary measures against static discharges. Dam up. Soak up with inert absorbent material. Pick up and transfer to properly labeled containers.

Prevention of secondary hazards Clean contaminated objects and areas thoroughly observing environmental regulations.

6.4. Reference to other sections

Reference to other sections See section 8 for more information. See section 13 for more information.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling Use personal protection equipment. Avoid breathing vapors or mists. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Use grounding and bonding connection when transferring this material to prevent static discharge, fire or explosion. Use with local exhaust ventilation. Use spark-proof tools and explosion-proof equipment. Keep in an area equipped with sprinklers. Use according to package label instructions. Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Do not eat, drink or smoke when using this product. Remove contaminated clothing and shoes.

General hygiene considerations Do not eat, drink or smoke when using this product. Contaminated work. Regular cleaning of equipment, work area and clothing is recommended. Wash hands before breaks and immediately after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Storage Conditions Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity). Keep in properly labeled containers. Do not store near combustible materials. Keep in an area equipped with sprinklers. Store in accordance with the particular national regulations. Store in accordance with local regulations. Keep out of the reach of children. Store locked up. Store away from other materials.

7.3. Specific end use(s)

Specific use(s)
The identified uses for this product are detailed in Section 1.2.

Risk Management Methods (RMM) The information required is contained in this Safety Data Sheet.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure Limits

Chemical name	United Kingdom
HYDROCARBONS, C9, aromatics 64742-95-6	TWA: 100 mg/m³
CALCIUM OXIDE 1305-78-8	TWA: 1 mg/m³ TWA: 2 mg/m³ STEL: 4 mg/m³ STEL: 6 mg/m³

Biological occupational exposure limits This product, as supplied, does not contain any hazardous materials with biological limits established by the region specific regulatory bodies.

Chemical name	Oral	Dermal	Inhalation
ZINC POWDER 7440-66-6		83 mg/kg bw/day [4] [6]	5 mg/m³ [4] [6]
HYDROCARBONS, C9, aromatics 64742-95-6			1286.4 mg/m³ [4] [7] 837.5 mg/m³ [5] [6] 1066.67 mg/m³ [5] [7]
ZINC OXIDE 1314-13-2		83 mg/kg bw/day [4] [6]	5 mg/m³ [4] [6] 0.5 mg/m³ [5] [6]
CHLORINATED PARAFFIN (C14-17) 85535-85-9		47.9 mg/kg bw/day [4] [6]	6.7 mg/m³ [4] [6]
CALCIUM OXIDE 1305-78-8			1 mg/m³ [5] [6] 4 mg/m³ [5] [7]
2-piperazin-1-ylethylamine 140-31-8		3.33 mg/kg bw/day [4] [6]	10.6 mg/m³ [4] [6] 10.6 mg/m³ [4] [7] 15 µg/m³ [5] [6] 80 mg/m³ [5] [7]

[4] Systemic health effects.
[5] Local health effects.
[6] Long term.
[7] Short term.

Chemical name	Oral	Dermal	Inhalation
ZINC POWDER 7440-66-6	0.83 mg/kg bw/day [4] [6]		2.5 mg/m³ [4] [6]
HYDROCARBONS, C9, aromatics 64742-95-6			1152 mg/m³ [4] [7] 178.57 mg/m³ [5] [6] 640 mg/m³ [5] [7]
ZINC OXIDE 1314-13-2	0.83 mg/kg bw/day [4] [6]		2.5 mg/m³ [4] [6]
CHLORINATED PARAFFIN (C14-17) 85535-85-9	0.58 mg/kg bw/day [4] [6]		2 mg/m³ [4] [6]
CALCIUM OXIDE 1305-78-8			1 mg/m³ [5] [6] 4 mg/m³ [5] [7]

[4] Systemic health effects.

[5] Local health effects.
[6] Long term.
[7] Short term.

Chemical name	Freshwater	Freshwater (intermittent release)	Marine water	Marine water (intermittent release)	Air
ZINC POWDER 7440-66-6	20.6 µg/L		6.1 µg/L		
ZINC OXIDE 1314-13-2	20.6 µg/L		6.1 µg/L		
CHLORINATED PARAFFIN (C14-17) 85535-85-9	1 µg/L		0.2 µg/L		
CALCIUM OXIDE 1305-78-8	0.37 mg/L	0.37 mg/L	0.24 mg/L	0.24 mg/L	
2-piperazin-1-ylethylamine 140-31-8	0.058 mg/L	0.58 mg/L	0.0058 mg/L		

Chemical name	Freshwater sediment	Marine sediment	Sewage treatment	Soil	Food chain
ZINC POWDER 7440-66-6	235.6 mg/kg sediment dw	121 mg/kg sediment dw	100 µg/L	106.8 mg/kg soil dw	
ZINC OXIDE 1314-13-2	117.8 mg/kg sediment dw	56.5 mg/kg sediment dw	100 µg/L	35.6 mg/kg soil dw	
CHLORINATED PARAFFIN (C14-17) 85535-85-9	13 mg/kg sediment dw	2.6 mg/kg sediment dw	80 mg/L	11.9 mg/kg soil dw	10 mg/kg food
CALCIUM OXIDE 1305-78-8			2.27 mg/L	817.4 mg/kg soil dw	
2-piperazin-1-ylethylamine 140-31-8	215 mg/kg sediment dw	21.5 mg/kg sediment dw	250 mg/L	1 mg/kg soil dw	

8.2. Exposure controls

Engineering controls Provide adequate general and local exhaust ventilation. Observe any occupational exposurelimits for the product or ingredients.

Personal protective equipment

Eye/face protection Tight sealing safety goggles.

Hand protection Wear suitable gloves. Impervious gloves. The most suitable glove should be chosen in consultation with the glove supplier/manufacturer, who can provide information about thebreakthrough time of the glove material.

Gloves			
Duration of contact	PPE - Glove material	Glove thickness	Break through time
Short term	Nitrile rubber Butyl rubber Polyvinylchloride (PVC)	0.4mm	

Skin and body protection Wear suitable protective clothing. Long sleeved clothing. Chemical resistant apron.

Antistatic boots.

Respiratory protection Respiratory protection is usually not required. Use appropriate protection if exposure limits are exceeded. Use respiratory equipment with gas filter, type A2.

General hygiene considerations Do not eat, drink or smoke when using this product. Contaminated work. Regular cleaning of equipment, work area and clothing is recommended. Wash hands before breaks and immediately after handling the product.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	Liquid
Appearance	Liquid
Color	gray
Odor	Aromatic.
Odor threshold	Not determined

Property	**Values**	**Remarks • Method**
Melting point / freezing point	No data available	Not determined
Initial boiling point and boiling range	155 - 181 °C	@ 1 atm
Flammability		Not determined
Flammability Limit in Air		Not determined
Upper flammability or explosive limits	No data available	
Lower flammability or explosive limits	No data available	
Flash point	41 °C	Closed cup
Autoignition temperature	450 °C	
Decomposition temperature		Not determined
pH	No data available	Not applicable
pH (as aqueous solution)	No data available	Not applicable
Kinematic viscosity	6 P	@ 25 °C
Dynamic viscosity		Not determined.
Water solubility	Reacts with water Insoluble in water	None known
Solubility(ies)		Not determined
Partition coefficient		Not determined
Vapor pressure	0.25 kPa	None known
Relative density	2.6	@ 25 °C
Bulk density	Not applicable	
Liquid Density	2.6	
Relative vapor density	No data available	None known
Particle characteristics		Not applicable
Particle Size	No information available.	
Particle Size Distribution	No information available.	

Explosive properties Vapours may form explosive mixtures with air.

Oxidizing properties The mixture itself has not been tested but none of the ingredient substances meet the criteria for classification as oxidising.

9.2. Other information 495

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity Acids. Alkalis. Water.

10.2. Chemical stability

Stability Stable under normal conditions.

Explosion data
Sensitivity to mechanical impact None.
Sensitivity to static discharge Yes.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions None under normal processing.

10.4. Conditions to avoid

Conditions to avoid Heat, flames and sparks.

10.5. Incompatible materials

Incompatible materials Acids. Alkali. Oxidizing agent. Water.

10.6. Hazardous decomposition products

Hazardous decomposition products Fire creates:. Carbon oxides. Nitrogen oxides (NOx).

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Information on likely routes of exposure

Product Information

Inhalation Specific test data for the substance or mixture is not available. Aspiration into lungs can produce severe lung damage. May cause pulmonary edema. Pulmonary edema can be fatal. May cause irritation of respiratory tract.

Eye contact Specific test data for the substance or mixture is not available. May cause irritation.

Skin contact Repeated exposure may cause skin dryness or cracking.

Ingestion Specific test data for the substance or mixture is not available. Potential for aspiration if swallowed. May cause lung damage if swallowed. Aspiration may cause pulmonary edema and pneumonitis. May be fatal if swallowed and enters airways. (based on components).

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms Difficulty in breathing. Coughing and/ or wheezing. Dizziness.

Acute toxicity

Numerical measures of toxicity

The following values are calculated based on chapter 3.1 of the GHS document
ATEmix (oral) 890.60 mg/kg
ATEmix (dermal) 2,084.80 mg/kg
ATEmix (inhalation-gas) 99,999.00 ppm

ATEmix (inhalation-dust/mist) 7.23 mg/l
ATEmix (inhalation-vapor) 99,999.00 mg/l

Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
ZINC POWDER	= 630 mg/kg (Rat)	-	-
HYDROCARBONS, C9, aromatics	= 8400 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	= 3400 ppm (Rat) 4 h
ZINC OXIDE	> 5000 mg/kg (Rat)	> 2000 mg/kg (Rat)	> 5700 mg/m³ (Rat) 4 h
CHLORINATED PARAFFIN (C14-17)	= 2000 mg/kg (Rat)	-	-
CALCIUM OXIDE	= 500 mg/kg (Rat)	-	> 6.04 mg/L (Rat) 4 h
2-piperazin-1-ylethylamine	= 2140 µL/kg (Rat)	= 866 mg/kg (Rabbit)	-

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin corrosion/irritation Based on available data, the classification criteria are not met.

Serious eye damage/eye irritation Based on available data, the classification criteria are not met.

Respiratory or skin sensitization Based on available data, the classification criteria are not met.

Germ cell mutagenicity Contains a known or suspected mutagen. Classification based on data available for ingredients. May cause genetic defects.

The table below indicates ingredients above the cut-off threshold considered as relevant which are listed as mutagenic.

Chemical name	United Kingdom
HYDROCARBONS, C9, aromatics	Muta. 1B

Carcinogenicity Contains a known or suspected carcinogen. Classification based on data available for ingredients. May cause cancer.

The table below indicates whether each agency has listed any ingredient as a carcinogen.

Chemical name	United Kingdom
HYDROCARBONS, C9, aromatics	Carc. 1B

Reproductive toxicity Classification based on data available for ingredients. May cause harm to breast-fed children.

The table below indicates ingredients above the cut-off threshold considered as relevant which are listed as reproductive toxins.

Chemical name	United Kingdom
CHLORINATED PARAFFIN (C14-17)	Lact.

STOT - single exposure Based on available data, the classification criteria are not met.

STOT - repeated exposure Based on available data, the classification criteria are not met.

Aspiration hazard May be fatal if swallowed and enters airways.

Other adverse effects None known.

SECTION 12: Ecological information

12.1. Toxicity

Ecotoxicity Very toxic to aquatic life with long lasting effects.

Unknown aquatic toxicity Contains 0 % of components with unknown hazards to the aquatic environment.

Chemical name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
ZINC POWDER	EC50: 0.11 - 0.271mg/L (96h, Pseudokirchneriella subcapitata) EC50: 0.09 - 0.125mg/L (72h, Pseudokirchneriella subcapitata)	LC50: 2.16 - 3.05mg/L (96h, Pimephales promelas) LC50: 0.211 - 0.269mg/L (96h, Pimephales promelas) LC50: =2.66mg/L (96h, Pimephales promelas) LC50: =30mg/L (96h, Cyprinus carpio) LC50: =0.45mg/L (96h, Cyprinus carpio) LC50: =7.8mg/L (96h, Cyprinus carpio) LC50: =3.5mg/L (96h, Lepomis macrochirus) LC50: =0.24mg/L (96h, Oncorhynchus mykiss) LC50: =0.59mg/L (96h, Oncorhynchus mykiss) LC50: =0.41mg/L (96h, Oncorhynchus mykiss)	-	EC50: 0.139 - 0.908mg/L (48h, Daphnia magna)
HYDROCARBONS, C9, aromatics	-	LC50: =9.22mg/L (96h, Oncorhynchus mykiss)	-	EC50: =6.14mg/L (48h, Daphnia magna)
ZINC OXIDE	-	LC50: =1.55mg/L (96h, Danio rerio)	-	-
CALCIUM OXIDE	-	LC50: =1070mg/L (96h, Cyprinus carpio)	-	-
2-piperazin-1-ylethylamine	EC50: =495mg/L (72h, Pseudokirchneriella subcapitata)	LC50: 1950 - 2460mg/L (96h, Pimephales promelas) LC50: >1000mg/L (96h, Poecilia reticulata) LC50: >=100mg/L (96h, Oncorhynchus mykiss)	-	EC50: =32mg/L (48h, Daphnia magna)

12.2. Persistence and degradability

Persistence and degradability The product is not expected to be biodegradable.

12.3. Bioaccumulative potential

Bioaccumulation

Component Information

Chemical name	Partition coefficient
CHLORINATED PARAFFIN (C14-17)	7
2-piperazin-1-ylethylamine	-1.48

12.4. Mobility in soil

Mobility in soil The product contains substances which are insoluble in water and which may spread on watersurfaces. The product contains volatile substances which may spread in the atmosphere.

12.5. Results of PBT and vPvB assessment

PBT and vPvB assessment The product does not contain any substance(s) classified as PBT or vPvB.

Chemical name	PBT and vPvB assessment
ZINC POWDER	The substance is not PBT / vPvB PBT assessment does not apply
HYDROCARBONS, C9, aromatics	The substance is not PBT / vPvB
ZINC OXIDE	The substance is not PBT / vPvB PBT assessment does not apply
CHLORINATED PARAFFIN (C14-17)	The substance is not PBT / vPvB PBT & vPvB
CALCIUM OXIDE	The substance is not PBT / vPvB PBT assessment does not apply
2-piperazin-1-ylethylamine	The substance is not PBT / vPvB

12.6. Other adverse effects

Other adverse effects No information available.

Endocrine disrupting properties This product does not contain any known or suspected endocrine disruptors.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste from residues/unused products Should not be released into the environment. Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

Contaminated packaging Empty containers pose a potential fire and explosion hazard. Do not cut, puncture or weld containers.

SECTION 14: Transport information

IATA

14.1 UN number or ID number 1263
14.2 UN proper shipping name PAINT RELATED MATERIAL (ZINC METAL)
14.3 Transport hazard class(es) 3
14.4 Packing group III
14.5 Environmental hazards Yes
14.6 Special precautions for user
Special Provisions Not applicable

IMDG

14.1 UN number or ID number	1263
14.2 UN proper shipping name	PAINT RELATED MATERIAL (ZINC METAL)
14.3 Transport hazard class(es)	3
14.4 Packing group	III
14.5 Environmental hazards	Yes
14.6 Special precautions for user	
Special Provisions	Not applicable
EmS-No	F-E, S-E
14.7 Maritime transport in bulk according to IMO instruments	Not applicable

RID

14.1 UN number or ID number	1263
14.2 UN proper shipping name	PAINT RELATED MATERIAL (ZINC METAL)
14.3 Transport hazard class(es)	3
14.4 Packing group	III
14.5 Environmental hazards	Yes
14.6 Special precautions for user	
Special Provisions	Not applicable
Classification code	F1

ADR

14.1 UN number or ID number	1263
14.2 UN proper shipping name	PAINT RELATED MATERIAL
14.3 Transport hazard class(es)	3
14.4 Packing group	III
14.5 Environmental hazards	Yes
14.6 Special precautions for user	
Special Provisions	Not applicable
Classification code	F1
Tunnel restriction code	(D/E)

SECTION 15: Regulatory information

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

Control of Substances Hazardous to Health Regulations 2002 (as amended). Workplace Exposure Limits EH40 Candidate List of Substances of Very High Concern for Authorisation: Medium-chainchlorinated paraffins (MCCP) UVCB substances consisting of more than or equal to 80%linear chloroalkanes with carbon chain lengths within the range from C14 to C17

Authorizations and/or restrictions on use:
This product contains one or more substances subject to restriction (UK REACH - Annex XVII).

Chemical name	Restricted substance per REACH Annex XVII	Substance subject to authorization per REACH Annex XIV
HYDROCARBONS, C9, aromatics - 64742-95-6	Use restricted. See item 28. Use restricted. See item 29. Restricted Carcinogen 1B Restricted Mutagen 1B	-

Persistent Organic Pollutants
Not applicable

Export Notification requirements
Not applicable

Dangerous substance category per COMAH Regulations 2015 (as amended)
E1 - Hazardous to the Aquatic Environment in Category Acute 1 or Chronic 1
P5a - FLAMMABLE LIQUIDS

P5b - FLAMMABLE LIQUIDS
P5c - FLAMMABLE LIQUIDS

Named dangerous substances per COMAH Regulations 2015 (as amended)

Chemical name	Lower-tier requirements (tons)	Upper-tier requirements (tons)
HYDROCARBONS, C9, aromatics - 64742-95-6	-	25000

The Ozone-Depleting Substances Regulations 2015
Not applicable

The Biocidal Products Regulations 2001 (as amended)
Not applicable

Chemical name	The Biocidal Products Regulations 2001 (as amended)
CALCIUM OXIDE - 1305-78-8	PT2 PT3

The Water Environment (Water Framework Directive) (England and Wales) Regulations 2017 (as amended)
Not applicable

Poisons Act 1972 (Explosive Precursors) Regulations (as Amended)
Not applicable

Other Regulations Commission Regulation (EU) No 2015/830 of 28 May 2015. Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16December 2008 on classification, labelling and packaging of substances and mixtures (asamended). Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18December 2006 concerning the Registration, Evaluation, Authorisation and Restriction ofChemicals (REACH) (as amended).

15.2. Chemical safety assessment

Chemical Safety Report No chemical safety assessment has been carried out.

SECTION 16: Other information

Key or legend to abbreviations and acronyms used in the safety data sheet

Full text of H-Statements referred to under section 3
H250 - Catches fire spontaneously if exposed to air
H304 - May be fatal if swallowed and enters airways
H410 - Very toxic to aquatic life with long lasting effects
H226 - Flammable liquid and vapor
H260 - In contact with water releases flammable gases which may ignite spontaneously
H302 - Harmful if swallowed
H311 - Toxic in contact with skin
H314 - Causes severe skin burns and eye damage
H315 - Causes skin irritation
H317 - May cause an allergic skin reaction
H318 - Causes serious eye damage
H335 - May cause respiratory irritation
H336 - May cause drowsiness or dizziness
H361fd - Suspected of damaging fertility. Suspected of damaging the unborn child
H362 - May cause harm to breast-fed children
H372 - Causes damage to organs through prolonged or repeated exposure

H400 - Very toxic to aquatic life
H411 - Toxic to aquatic life with long lasting effects
H412 - Harmful to aquatic life with long lasting effects

Legend
SVHC: Substances of Very High Concern for Authorization:

Legend Section 8: Exposure controls/personal protection

TWA	TWA (time-weighted average)	STEL	STEL (Short Term Exposure Limit)
Ceiling	Maximum limit value	*	Skin designation
+	Sensitizers		

Classification procedure	
Classification according to Regulation (EC) No. 1272/2008 [CLP]	Method Used
Acute oral toxicity	Calculation method
Acute dermal toxicity	Calculation method
Acute inhalation toxicity - gas	Calculation method
Acute inhalation toxicity - vapor	Calculation method
Acute inhalation toxicity - dust/mist	Calculation method
Skin corrosion/irritation	Calculation method
Serious eye damage/eye irritation	Calculation method
Respiratory sensitization	Calculation method
Skin sensitization	Calculation method
Mutagenicity	Calculation method
Carcinogenicity	Calculation method
Reproductive toxicity	Calculation method
STOT - single exposure	Calculation method
STOT - repeated exposure	Calculation method
Acute aquatic toxicity	Calculation method
Chronic aquatic toxicity	Calculation method
Aspiration hazard	Calculation method
Ozone	Calculation method

Key literature references and sources for data used to compile the SDS
Agency for Toxic Substances and Disease Registry (ATSDR)
U.S. Environmental Protection Agency ChemView Database
European Food Safety Authority (EFSA)
European Chemicals Agency (ECHA) Committee for Risk Assessment (ECHA_RAC)
European Chemicals Agency (ECHA) (ECHA_API)
EPA (Environmental Protection Agency)
Acute Exposure Guideline Level(s) (AEGL(s))
U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act
U.S. Environmental Protection Agency High Production Volume Chemicals
Food Research Journal
Hazardous Substance Database
International Uniform Chemical Information Database (IUCLID)
National Institute of Technology and Evaluation (NITE)
Australia National Industrial Chemicals Notification and Assessment Scheme (NICNAS)
NIOSH (National Institute for Occupational Safety and Health)
National Library of Medicine's ChemID Plus (NLM CIP)
National Library of Medicine’s PubMed database (NLM PUBMED)
National Toxicology Program (NTP)
New Zealand's Chemical Classification and Information Database (CCID)
Organization for Economic Co-operation and Development Environment, Health, and Safety Publications
Organization for Economic Co-operation and Development High Production Volume Chemicals Program
Organization for Economic Co-operation and Development Screening Information Data Set
World Health Organization

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Restrictions on use	For professional use only

This material safety data sheet complies with the requirements of UK REACH Regulations (SI 2019/758 as amended)
Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work

Disclaimer
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End of Safety Data Sheet