

Productname : ZG-90
Ref.Nr.: UDS000856_3_20171220 (EN)

Creationdate : 20.12.17 Version : 1.1
Replaces: UDS000856_20170629

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

1.1. Product identifier

ZG-90
Bulk

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

Paints

1.3. Details of the supplier of the safety data sheet

CRC Industries UK Ltd.
Wylds Road
Castlefield Industrial Estate
TA6 4DD Bridgwater Somerset
United Kingdom
Tel.: +44 1278 727200
Fax.: +44 1278 425644
E-mail : hse.uk@crcind.com

1.4. Emergency telephone number

(+44)(0)1278 72 7200 (office hours)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

Physical:	Flammable liquid, category 2 Highly flammable liquid and vapour. Classification is based on test data.
Health:	Eye irritation, category 2 Causes serious eye irritation. Specific target organ toxicity - single exposure, category 3 May cause drowsiness or dizziness. Classification based on calculation method.
Environment:	Hazardous to the aquatic environment, chronic category 2 Toxic to aquatic life with long lasting effects. Classification based on calculation method.
Other hazards :	Repeated exposure may cause skin dryness or cracking.






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2.2. Label elements

Labelling according to Regulation (EC) No 1272/2008

Product identifier:	Contains: n-butyl acetate butanone; ethyl methyl ketone ethyl acetate
Hazard pictogram(s):	  
Signal word:	Danger
Hazard statement(s):	H225 : Highly flammable liquid and vapour. H319 : Causes serious eye irritation. H336 : May cause drowsiness or dizziness. H411 : Toxic to aquatic life with long lasting effects.
Precautionary statement(s):	P101 : If medical advice is needed, have product container or label at hand. P102 : Keep out of reach of children. P210 : Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P271 : Use only outdoors or in a well-ventilated area. P305/351/338 : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337/313 : If eye irritation persists: Get medical advice/attention. P405 : Store locked up. P501-2 : Dispose of contents/container to an authorised waste collection point.
Supplemental Hazard information:	Repeated exposure may cause skin dryness or cracking.

2.3. Other hazards

No information available

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable.

3.2. Mixtures

Hazardous ingredient	Registration number	CAS-nr.	EC-nr	w/w %	Hazard Class and Category	Hazard statement	Notes
n-butyl acetate	01-2119485493-29	123-86-4	204-658-1	25-50	Flam. Liq. 3, STOT SE 3	H226,H336	
butanone; ethyl methyl ketone	01-2119457290-43	78-93-3	201-159-0	10-25	Flam. Liq. 2, Eye Irrit. 2, STOT SE 3	H225,H319,H336	A



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ethyl acetate	01-2119475103-46	141-78-6	205-500-4	2.5-10	Flam. Liq. 2, Eye Irrit. 2, STOT SE 3	H225,H319,H336	B
aluminium powder (stabilized)	01-2119529243-45	7429-90-5	231-072-3	2.5-10	Water-react. 2, Flam. Sol. 1	H261,H228	A
zinc powder - zinc dust (stabilized)	01-2119467174-37	7440-66-6	231-175-3	2.5-10	Aquatic Acute 1, Aquatic Chronic 1	H400,H410	
Solvent naphtha (petroleum), medium aliph.; Straight run kerosine		64742-88-7	265-191-7	0-2.5	Asp. Tox. 1, STOT RE 1	H304,H372	B
Solvent naphtha (petroleum), light arom. (benzene<0.1%)		64742-95-6	265-199-0	0-2.5	Flam. Liq. 3, Skin Irrit. 2, Eye Irrit. 2, Asp. Tox. 1, Acute Tox. 4, STOT SE 3, Aquatic Chronic 2	H226,H315,H319,H304,H332,H335,H411	B,P

Explanation notes

A : substance with Community workplace exposure limit

B : substance with national established workplace exposure limit

P : not classified as carcinogen, less than 0.1% w/w benzene (Einecs-nr. 200-753-7)

(* Explanation phrases : see chapter 16)

SECTION 4: First aid measures**4.1. Description of first aid measures**

Contact with eyes :	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Contact with skin :	Take off contaminated clothing and wash before reuse. IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention.
Inhalation :	Fresh air, keep warm and at rest. Seek medical attention if ill effects occur
Ingestion :	If swallowed do not induce vomiting because of risk of aspiration into the lungs. If aspiration is suspected obtain immediate medical attention

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

Inhalation :	Excessive inhalation of solvent vapours may give rise to nausea, headaches and dizziness
Ingestion :	After vomiting of swallowed product aspiration into lungs is likely. Solvents may induce chemical pneumonia. Symptoms : sore throat, abdominal pain, nausea, vomiting
Skin contact :	Prolonged skin contact will result in defatting of the skin Symptoms : redness and pain
Eye contact :	Irritating to eyes Symptoms : redness and pain, impaired vision

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

General Advice : If you feel unwell, seek medical advice (show the label where possible)



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If symptoms persist always call a doctor

SECTION 5: Firefighting measures

5.1. Extinguishing media

foam, carbon dioxide or dry agent

5.2. Special hazards arising from the substance or mixture

May form explosive vapour/air mixtures
Forms hazardous decomposition products
CO,CO2

5.3. Advice for firefighters

Keep container(s) exposed to fire cool, by spraying with water
In case of fire, do not breathe fumes

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Shut off all ignition sources
Ensure adequate ventilation
Wear suitable protective clothing including eye/face protection.

6.2. Environmental precautions

Do not allow to enter public sewers and watercourses

6.3. Methods and material for containment and cleaning up

Absorb spillage in suitable inert material

6.4. Reference to other sections

For further information see section 8

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Keep away from heat and sources of ignition
Take precautionary measures against static discharges
Equipment should be earthed
Use explosion-proof electrical/ventilating/lighting/.../equipment.



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Use only non-sparking tools.
 Do not breathe aerosols or vapours.
 Ensure adequate ventilation
 Avoid contact with skin and eyes.
 Wash thoroughly after use
 Wear protective gloves/protective clothing/eye protection/face protection.
 Eyewash bottles should be available

7.2. Conditions for safe storage, including any incompatibilities

Keep container tightly closed, in a cool, well ventilated place.
 Keep out of reach of children.

7.3. Specific end use(s)

Paints

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limits :

Hazardous ingredient	CAS-nr.	method	
National established exposure limits, United Kingdom			
n-butyl acetate	123-86-4	TWA	150 ppm
		STEL	200 ppm

8.2. Exposure controls

Control procedures : Ensure adequate ventilation
 Keep away from heat and sources of ignition
 Take precautionary measures against static discharges

Personal protection : Take precautions to avoid contact with skin and eyes when handling the product.
 It is good practice to wear gloves and to provide adequate ventilation whenever using the product.
 In all cases handle and use the product in accordance with good industrial hygiene practices.

inhalation : In case of insufficient ventilation, wear suitable respiratory equipment.
 recommended respiratory protection: Air purifying respirator equipped with organic gas/vapor cartridge (type A)

hands and skin : When handling the product wear chemical-resistant gloves (standard EN 374).
 Use a reusable glove with a minimum breakthrough time of 30 minutes. 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.

Recommended gloves: Nitrile
 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



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changed part-way through.
Depending on amount and duration of use and the risk of contact with the product the gloves manufacturer can assist you in the selection of the right glove material and breakthrough time.

eyes : Wear safety eyewear according to EN 166.
Environmental protection: Avoid release to the environment.
Collect spillage.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Apperance : physical state : Liquid.
colour : See color cap.
odour : Characteristic odor.
pH : Not applicable.
Boiling point/range : 77 °C
Flash point : -4 °C
Evaporation rate : Not available.
Explosion limits : upper limit : 11.5 %
lower limit : 1.8 %
Vapour pressure : Not available.
Relative density : 1.025 g/cm³ (@ 20°C).
Solubility in water : Immiscible with water
Auto-ignition : 370 °C
Viscosity : Not available.

9.2. Other information

SECTION 10: Stability and reactivity

10.1. Reactivity

No hazardous reactions known if used for its intended purpose

10.2. Chemical stability

Stable

10.3. Possibility of hazardous reactions

No hazardous reactions known if used for its intended purpose

10.4. Conditions to avoid

Avoid overheating

10.5. Incompatible materials



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Strong oxidising agent

10.6. Hazardous decomposition products

CO,CO2

SECTION 11: Toxicological information

11.1. Information on toxicological effects

acute toxicity:	based on available data the classification criteria are not met
skin corrosion/irritation:	based on available data the classification criteria are not met
serious eye damage/irritation:	Causes serious eye irritation.
respiratory or skin sensitisation:	based on available data the classification criteria are not met
germ cell mutagenicity:	based on available data the classification criteria are not met
carcinogenicity:	based on available data the classification criteria are not met
toxicity for reproduction:	based on available data the classification criteria are not met
STOT-single exposure:	May cause drowsiness or dizziness.
STOT repeated exposure:	based on available data the classification criteria are not met
aspiration hazard:	based on available data the classification criteria are not met

Information on likely routes of exposure:

Inhalation :	Inhalation of solvent vapours may give rise to nausea, headaches and dizziness
Ingestion :	After vomiting of swallowed product aspiration into lungs is likely. Solvents may induce chemical pneumonia.
Skin contact :	Prolonged skin contact will result in defatting of the skin
Eye contact :	Irritating to eyes

Toxicological data :

Hazardous ingredient	CAS-nr.	method	
n-butyl acetate	123-86-4	LD50 oral rat	10760 mg/kg
		LC50 inhal.rat	> 20 mg/l
		LD50 derm.rabbit	> 1400 mg/kg

SECTION 12: Ecological information

12.1. Toxicity

Hazardous to the aquatic environment, chronic category 2
 Toxic to aquatic life with long lasting effects.

Ecotoxicological data:



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Hazardous ingredient	CAS-nr.	method	
n-butyl acetate	123-86-4	IC50 algae	647 mg/l
		LC50 fish	18 mg/l
		EC50 daphnia	44 mg/l

12.2. Persistence and degradability

No information available

12.3. Bioaccumulative potential

No information available

12.4. Mobility in soil

Immiscible with water

12.5. Results of PBT and vPvB assessment

No information available

12.6. Other adverse effects

No information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Product : This material and its container must be disposed of in a safe way.
Do not discharge into drains or the environment, dispose to an authorised waste collection point.

Contaminated packaging : Disposal should be in accordance with local, state or national legislation

SECTION 14: Transport information

14.1. UN number

UN-number : 1263

14.2. UN proper shipping name

Proper shipping name: PAINT

14.3. Transport hazard class(es)



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Class: 3
ADR/RID - Classification code: F1

14.4. Packing group

Packing group: II

14.5. Environmental hazards

ADR/RID - Environmentally hazardous: Yes
IMDG - Marine pollutant: Marine pollutant
IATA/ICAO - Environmentally hazardous: Yes

14.6. Special precautions for user

ADR/RID - Tunnelcode: (D/E)
IMDG - Ems: F-E, S-D

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

Not applicable.

SECTION 15: Regulatory information

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

The Safety Data Sheet is compiled according to the current European requirements.
EU-directive 99/45/EC
Regulation (EC) No 1272/2008 (CLP)
Regulation (EC) No 1907/2006 (REACH)

15.2. Chemical safety assessment

No information available

SECTION 16: Other information

*Explanation hazard statements: H225 : Highly flammable liquid and vapour.
H226 : Flammable liquid and vapour.
H228 : Flammable solid.
H261 : In contact with water releases flammable gases.
H304 : May be fatal if swallowed and enters airways.
H315 : Causes skin irritation.
H319 : Causes serious eye irritation.
H332 : Harmful if inhaled.
H335 : May cause respiratory irritation.



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H336 : May cause drowsiness or dizziness.

H372 : Causes damage to organs through prolonged or repeated exposure.

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.

acronyms and synonyms:

TWA = time weight average

STEL = short time exposure limit

VOC = volatile organic compounds

PBT = persistent bioaccumulative toxic

vPvB = very persistent very bioaccumulative

This product should be stored, handled and used in accordance with good industrial hygiene practices and in conformity with any legal regulation.

The information contained herewith is based on the present state of our knowledge and is intended to describe our products from the point of view of safety requirements. It does not guarantee any specific properties.

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