

SDS ATTACHMENT

PLEASE ATTACH THIS COMPLETED SHEET TO THE SDS FOR:

PRODUCT:

ZG90 Brushing Cold Zinc Galvanising Paint

DATE:

22-Dec-14

(SDS date)

1. Manufacturer/Supplier:

Tradegear Ltd
Level 1, 99 Clarence Street
Riccarton
Christchurch 8011
New Zealand
Phone: 0800 22 44 34 or +64 3 331 6517
Fax: 0800 22 11 51 or +64 9 522 8833
24 hr emergency contact: +64 21 510 624
Website: www.tradegear.co.nz
Email: office@tradegear.co.nz

Emergency Information:

National Poison Centre: 0800 764 766
Chemcall 24/7 Emergency Response Service: 0800 243 622

13. Disposal Considerations:

Product

Recommendation - Consult local or national regulations to ensure proper disposal.

Packaging

Disposal must be made according to official regulations.

16. Other Information:

Employers should use this information only as a supplement to other information gathered by them and should make independent judgement of suitability of this information to ensure proper use and protect the health and safety of employees. This information is furnished without warranty and any use of the product not in conformance with this Safety Data Sheet, or in combination with any other product or process, is the responsibility of the user.



ZG-90 Brushing Cold Zinc Galvanising Paint




SAFETY DATA SHEET

ACCORDING TO EC-REGULATIONS 1907/2006 (REACH), 1272/2008 (CLP) & 453/2010

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

1.1 Product identifier	
Product Name	ZG-90 Brushing Cold Zinc Galvanising Paint.
Trade Name	ZG-90 Brushing Cold Zinc Galvanising Paint.
Part No.	2018, 2026, 2027, 2028, 2029, 2030
CAS No.	Mixture.
EINECS No.	Mixture.
REACH Registration No.	None assigned.
1.2 Relevant identified uses of the substance or mixture and uses advised against	
Identified use(s)	Anti-rust surface coating.
Uses advised against	None known.
1.3 Details of the supplier of the Safety Data Sheet	
Company Identification	Action Can Ltd., Dixon Close, Old Boston Trading Estate, Haydock, St. Helens, Merseyside. WA11 9SF. 00 44 1942 713667 01942 716235 info@actioncan.com
Telephone	
Fax	
E-Mail (competent person)	
1.4 Emergency telephone number	
Emergency Phone No.	01942 713667 (Mon - Fri: 9am to 5pm)

2. SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture Regulation (EC) No. 1272/2008 (CLP)	Flam. Liq. 2; Highly flammable liquid and vapour. Eye Irrit. 2; Causes serious eye irritation. STOT SE 3; May cause drowsiness or dizziness. Aquatic Chronic 2; Toxic to aquatic life with long lasting effects. Repeated exposure may cause skin dryness or cracking.
2.2 Label elements	According to Regulation (EC) No. 1272/2008 (CLP) ZG-90 Brushing Cold Zinc Galvanising Paint.
Product Name	
Hazard Pictogram(s)	  
Signal Word(s)	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. EUH066: Repeated exposure may cause skin dryness or cracking.



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Precautionary Statement(s)

P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
 P240: Ground/bond container and receiving equipment.
 P261: Avoid breathing vapours.
 P271: Use only outdoors or in a well-ventilated area.
 P405: Store locked up.
 P501: Dispose of contents/container to: Suitable incineration plant.

2.3 Other hazards None.

2.4 Additional Information For full text of H/P phrases see section 16.

3. SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Mixtures

EC Classification No. 1272/2008

Hazardous ingredient(s)	%W/W	CAS No.	EC No.	REACH Registration No.	Hazard pictogram(s) and Hazard statement(s)
n-butyl acetate	25 – 50	123-86-4	204-658-1	01-2120063204-67-0000	GHS02, Flam. Liq. 2; H225, STOT SE 3; H336, EUH066
Butanone	10 – 25	78-93-3	201-159-0	01-2119457290-43-0000	GHS02, Flam. Liq. 2; H225, GHS07, Eye Irrit. 2; H319, STOT SE 3; H336, EUH066
Ethyl acetate	2.5 – 10	141-78-6	205-500-4	01-2120063205-65-0000	GHS02, Flam. Liq. 2; H225, GHS07, Eye Irrit. 2; H319, STOT SE 3; H336, EUH066
Aluminium	2.5 – 10	7429-90-5	231-072-3	01-2119529243-45-0000	GHS02, Pyr. Sol. 1; H250, Water-react. 2; H261
Zinc	2.5 – 10	7440-66-6	231-175-3	01-2119467174-37-0000	GHS09, Aquatic Acute 1; H400, Aquatic Chronic 1; H410
Solvent naphtha (petroleum), light arom.	≤2.5	64742-95-6	265-199-0	01-2119486773-24-0000	GHS02, Flam. Liq. 3; H226, GHS07, Acute Tox. 4; H332, Skin Irrit. 2, H315, Eye Irrit. 2; H319, STOT SE 3; H335, GHS08, Asp. Tox. 1; H304, GHS09, Aquatic Chronic 2; H411
Di- ^o isononyl ^o phthalate	≤2.5	28553-12-0	249-079-5	01-2119430798-28-0000	None
Solvent naphtha (petroleum), medium aliph.	≤2.5	64742-88-7	265-191-7	01-2119537181-47-0000	GHS08, Asp. Tox. 1; H304, STOT RE 1; H372

3.2 Additional Information

For full text of H/P phrases see section 16.

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4. SECTION 4: FIRST AID MEASURES



4.1 Description of first aid measures	
Inhalation	IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell.
Skin Contact	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
Eye Contact	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
Ingestion	Wash out mouth with water.
4.2 Most important symptoms and effects, both acute and delayed	May cause drowsiness or dizziness. Repeated exposure may cause skin dryness or cracking.
4.3 Indication of any immediate medical attention and special treatment needed	Unlikely to be required but if necessary treat symptomatically.

5. SECTION 5: FIRE-FIGHTING MEASURES

5.1 Extinguishing Media	
Suitable Extinguishing Media	Extinguish preferably with dry chemical, sand or carbon dioxide.
Unsuitable Extinguishing Media	Do not use water jet.
5.2 Special hazards arising from the substance or mixture	None known.
5.3 Advice for fire-fighters	Fire fighters should wear complete protective clothing including self-contained breathing apparatus.

6. SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures	Eliminate sources of ignition. Avoid breathing vapours. Avoid contact with eyes. Wear protective gloves/eye protection.
6.2 Environmental precautions	Avoid release to the environment.
6.3 Methods and material for containment and cleaning up	Cover spills with inert absorbent material. Collect spillage. Transfer to a lidded container for disposal or recovery.
6.4 Reference to other sections	See Also Section: 8, 13.

7. SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling	Provide adequate ventilation. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Avoid breathing vapours. Use explosion-proof electrical/ventilating/lighting/equipment. Use only non-sparking tools. Use only outdoors or in a well-ventilated area. Ground/bond container and receiving equipment. Take precautionary measures against static discharge. Wear protective gloves/protective clothing/eye protection/face protection. Wash hands thoroughly after handling.
7.2 Conditions for safe storage, including any incompatibilities	Store in a well-ventilated place. Keep container tightly closed. Store locked up.
Storage Temperature	Keep cool.
Storage Life	Stable under normal conditions.

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- 7.3 Incompatible materials None anticipated.
Specific end use(s) Anti-rust surface coating.

8. SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

8.1.1 Occupational Exposure Limits

SUBSTANCE	CAS No.	LTEL (8 hr TWA ppm)	LTEL (8 hr TWA mg/m ³)	STEL (ppm)	STEL (mg/m ³)	Note
n-butyl acetate	123-86-4	150	724	200	966	WEL
Butanone	78-93-3	200	600	300	899	WEL
Ethyl acetate	141-78-6	200	730	400	1460	WEL
Aluminium	7429-90-5	-	4	-	-	WEL (Respirable Dust)
Di-isononyl phthalate	28553-12-0	-	5	-	-	WEL

WEL: Workplace Exposure Limit (UK HSE EH40)

- 8.1.2 Biological limit value Not established.

- 8.1.3 PNECs and DNELs Not established.

8.2 Exposure controls

- 8.2.1 Appropriate engineering controls Provide adequate ventilation.

8.2.2 Personal protection equipment

Eye/face protection

Wear eye protection with side protection (EN166).



Skin protection (Hand protection/ Other)

Wear suitable gloves if prolonged skin contact is likely.



Respiratory protection

Wear a suitable respirator if the ventilation is not sufficient to keep the solvent vapour concentration below the occupational limit values.



Thermal hazards

Not applicable.

- 8.2.3 Environmental Exposure Controls

Avoid release to the environment.

9. SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance	Liquid.
Colour	Grey.
Odour	Characteristic.
Odour Threshold	Not established.
pH	Not available.
Melting Point/Freezing Point	Not available.



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Initial boiling point and boiling range	77°C
Flash Point	- 4 °C
Evaporation rate	Not available.
Flammability (solid, gas)	Flammable liquid and vapour.
Upper/lower flammability or explosive limits	1.8 – 11.5 Vol-%
Vapour pressure	105 hPa @ 20°C
Vapour density	Not available.
Relative density	Not available.
Density	1.025g/cm @ 20°C
Solubility(ies)	Immiscible with water.
Partition coefficient: n-octanol/water	Not available.
Auto-ignition temperature	370 °C
Decomposition Temperature	Not available.
Kinematic Viscosity	36s (DIN 53211/4)
Explosive properties	Not explosive.
Oxidising properties	Not oxidising.
9.2 Other information	
Organic solvents	54.9 %
Solid content	45.1%

10. SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity	Stable under normal conditions.
10.2 Chemical stability	Stable under normal conditions.
10.3 Possibility of hazardous reactions	No hazardous reaction known if used for its intended purpose.
10.4 Conditions to avoid	Keep away from sources of ignition.
10.5 Incompatible materials	None anticipated.
10.6 Hazardous Decomposition Product(s)	No hazardous decomposition products known.

11. SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects	
11.1.1 Mixtures	
Acute toxicity	
Inhalation	May cause drowsiness or dizziness.
Irritation	Causes serious eye irritation.
Corrosivity	Not classified.
Sensitisation	It is not a skin sensitiser.
Repeated dose toxicity	Repeated exposure may cause skin dryness or cracking.
Carcinogenicity	No evidence of carcinogenicity.
Mutagenicity	There is no evidence of mutagenic potential.
Toxicity for reproduction	None anticipated.
11.2 Other information	None.

12. SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity	Toxic to aquatic life with long lasting effects.
12.2 Persistence and degradability	Part of the components are biodegradable.
12.3 Bioaccumulative potential	The product has potential for bioaccumulation.
12.4 Mobility in soil	Immiscible with water. The product is predicted to have low mobility in soil.
12.5 Results of PBT and vPvB assessment	Not classified as PBT or vPvB.
12.6 Other adverse effects	None known.



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13. SECTION 13: DISPOSAL CONSIDERATIONS

- 13.1 Waste treatment methods** Dispose of contents/container to: Suitable incineration plant.
13.2 Additional Information Disposal should be in accordance with local, state or national legislation.

14. SECTION 14: TRANSPORT INFORMATION

- 14.1 UN number** UN 1263
14.2 UN Proper Shipping Name PAINT (vapour pressure at 50 °C not more than 110 kPa), ENVIRONMENTALLY HAZARDOUS.
ADR PAINT, MARINE POLLUTANT
IMDG PAINT.
IATA
14.3 Transport hazard class(es) 3 Flammable Liquid.
ADR/IMDG 3
IATA II
14.4 Packing Group Classified as a Marine Pollutant.
14.5 Environmental hazards Warning: Flammable Liquid.
14.6 Special precautions for user Kemler Code: 33
14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code Not applicable.
14.8 Additional Information
14.8.1 ADR Limited Quantity (LQ) : 5L
Excepted quantities (EQ): Code: E2
Maximum net quantity per inner packaging: 30 ml
Maximum net quantity per outer packaging: 500 ml
Tunnel Restriction Code: D/E
14.8.2 IMDG Limited Quantity (LQ) : 5L
Excepted quantities (EQ): Code: E2
Maximum net quantity per inner packaging: 30 ml
Maximum net quantity per outer packaging: 500 ml
14.8.3 UN "Model Regulation" PAINT (vapour pressure at 50 °C not more than 110 kPa), ENVIRONMENTALLY HAZARDOUS, 3, II.

15. SECTION 15: REGULATORY INFORMATION

- 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
15.1.1 EU regulations
Authorisations and/or restrictions on use
Candidate List of Substances of Very High Concern for Authorisation All chemicals are not listed.
REACH: ANNEX XVII Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles Listed: Di-^oisononyl^o phthalate (CAS No.: 28553-12-0)
REACH: ANNEX XIV List of substances subject to authorisation All chemicals are not listed.
Community Rolling Action Plan (CoRAP); Draft: 26/03/2014 All chemicals are not listed.
15.1.2 National regulations
Technical instructions (air)

Class	Share in %
NK	56.5



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Wassergefährdungsklasse (Germany)
15.2 Chemical Safety Assessment

WGK 2 (hazardous for water).
Not available.

16. SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements: 1-16.

LEGEND

LTEL	Long Term Exposure Limit
STEL	Short Term Exposure Limit
DNEL	Derived No Effect Level
PNEC	Predicted No Effect Concentration
PBT	Persistent, Bioaccumulative and Toxic
vPvB	very Persistent and very Bioaccumulative
ADR	Accord européen relative au transport international des marchandises dangereuses par route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
IMDG	International Maritime Code for Dangerous Goods
IATA	International Air Transport Association
RID	European transport by rail
WGK	Wassergefährdungsklasse
Pyr. Sol. 1	Pyrophoric solid Category 1
Water-react. 2	Substance or mixture which in contact with water emits flammable gas Category 2
Aquatic Acute 1	Hazardous to the aquatic environment Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment Category 1
Aquatic Chronic 2	Hazardous to the aquatic environment Category 2
Acute Tox. 4	Acute toxicity Category 4
Asp. Tox. 1	Aspiration hazard Category 1
Eye Irrit. 2	Serious eye damage/irritation Category 2
STOT SE 3	Specific target organ toxicity — single exposure Category 3
STOT RE 1	Specific target organ toxicity — repeated exposure Category 1
Skin Irrit. 2	Skin corrosion/irritation Category 2
Flam. Liq. 2	Flammable liquid Category 2
Flam. Liq. 3	Flammable liquid Category 3

Hazard Statement(s) and Precautionary Statement(s)

H225	Highly flammable liquid and vapour.
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.
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.
EUH066	Repeated exposure may cause skin dryness or cracking.
P233	Keep container tightly closed.
P241	Use explosion-proof electrical/ventilating/lighting/equipment.
P242	Use only non-sparking tools.
P243	Take precautionary measures against static discharge.
P264	Wash hands thoroughly after handling.
P280	Wear protective gloves/eye protection/face protection.
P273	Avoid release to the environment.
P312	Call a POISON CENTER/doctor if you feel unwell.

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P391	Collect spillage.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P337+P313	If eye irritation persists: Get medical advice/attention.
P403+P233	Store in a well-ventilated place. Keep container tightly closed.
P303 + P361 + P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Hazard Pictogram(s)

GHS02



GHS08



GHS07



GHS09



Disclaimers

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Annex to the extended Safety Data Sheet (eSDS)

No information available.