

SDS ATTACHMENT

PLEASE ATTACH THIS COMPLETED SHEET TO THE SDS FOR:

PRODUCT:

ZG90 Cold Zinc Galvanising Anti-Rust Paint - colours

DATE:

8-Jan-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 Cold Zinc Galvanising Paint (all colours)

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 Cold Zinc Galvanising Paint.
Trade Name	ZG-90 Cold Zinc Galvanising Paint.
Part No.	1938, 1937, 1936, 1935, 1939, 2045
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 coating/compound.
Uses advised against	<ul style="list-style-type: none">Do not mix with other chemicals.Industrial product not intended for supply to the general public.
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.
Telephone	01942 713667
Fax	01942 716235
E-Mail (competent person)	info@actioncan.com
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)	Aerosol 1; Extremely flammable aerosol. Pressurised container: May burst if heated. STOT SE 3; May cause drowsiness or dizziness. Repeated exposure may cause skin dryness or cracking.
2.2 Label elements	
Product Name	According to Regulation (EC) No. 1272/2008 (CLP) ZG-90 Cold Zinc Galvanising Paint.
Hazard pictogram(s)	
Signal word(s)	Danger.
Hazard statement(s)	H222: Extremely flammable aerosol. H229: Pressurised container: May burst if heated. H336: May cause drowsiness or dizziness. 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.
 P211: Do not spray on an open flame or other ignition source.
 P251: Do not pierce or burn, even after use.
 P301+P310: IF SWALLOWED: Immediately call a POISON CENTER/doctor.
 P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.
 P410+P412: Protect from sunlight. Do no expose to temperatures exceeding 50°C/ 122°F.

Additional Information

Keep out of the reach of children.
 This product is aerosol packed in a limited quantity of 400/500ml as such it is unlikely to pose a significant spill or environmental hazard.
 Recommended: Wear protective gloves.

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

Product as supplied: Aerosol.

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)
Dimethyl ether	50 – 100	115-10-6	204-065-8	None assigned	GHS02, Flam. Gas 1; H220, GHS04, Press. Gas: Liquefied gas; H280
n-butyl acetate	2.5-10	123-86-4	204-658-1	None assigned	GHS02, Flam. Liq. 3; H226, GHS07, STOT SE 3; H336, EUH066
Butanone	2.5-10	78-93-3	201-159-0	None assigned	GHS02, Flam. Liq. 2; H225, GHS07, Eye Irrit. 2; H319, STOT SE 3; H336, EUH066
Ethyl acetate	≤2.5	141-78-6	205-500-4	None assigned	GHS02, Flam. Liq. 2; H225, GHS07, Eye Irrit. 2; H319, STOT SE 3; H336, EUH066
Acetone	≤2.5	67-64-1	200-662-2	None assigned	GHS02, Flam. Liq. 2; H225, GHS07, Eye Irrit. 2; H319, STOT SE 3; H336, EUH066
Toluene	≤2.5	108-88-3	203-625-9	None assigned	GHS02, Flam. Liq. 2; H225, GHS07, Skin Irrit. 2; H315, STOT SE 3; H336, GHS08, Asp. Tox. 1; H304, Repr. 2; H361d, STOT RE 2; H373
Solvent naphtha (petroleum), light arom.	≤2.5	64742-95-6	265-199-0	None assigned	GHS08, Asp. Tox. 1; H304

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

After contact with skin, wash immediately with plenty of soap and water. If symptoms persist, obtain medical attention.

Eye Contact

Hold eye open and rinse slowly and gently with water for 15-20 minutes. If symptoms persist, obtain medical attention.

Ingestion

Unlikely route of exposure.

IF SWALLOWED: Do NOT induce vomiting. Immediately call a POISON CENTER/doctor.

4.2 Most important symptoms and effects, both acute and delayed

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

Water jet spray.

5.2 Special hazards arising from the substance or mixture

Heating may cause pressure rise with risk of bursting.

5.3 Advice for fire-fighters

Fire fighters should wear complete protective clothing including self-contained breathing apparatus. If it is safe to do so, containers should be removed from fire area because they are likely to rupture under fire conditions. Keep fire exposed containers cool by spraying with water.

6. SECTION 6: ACCIDENTAL RELEASE MEASURES

The product is an aerosol. It is unlikely to present spillage or leakage hazard. In case of rupture, released content should be contained as any other solvent spill.

6.1 Personal precautions, protective equipment and emergency procedures

Eliminate sources of ignition. Ensure adequate ventilation. Stop leak if safe to do so. Avoid breathing vapours. Do not get in eyes, on skin, or on clothing. Wear suitable gloves.

6.2 Environmental precautions

Do not allow to enter drains, sewers or watercourses. Spillages or uncontrolled discharges into watercourses must be alerted to the appropriate regulatory body.

6.3 Methods and material for containment and cleaning up

Place leaking cans in a bucket or pail to minimise product contamination of surfaces. Collect spillage. Absorb remaining liquid in sand or inert absorbent and remove to safe place. Transfer to a container for disposal. Do NOT wash away into sewer. Containers must not be punctured or destroyed by burning, even when empty.

6.4 Reference to other sections

See Also Section 8, 13.



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7. SECTION 7: HANDLING AND STORAGE





- 7.1 Precautions for safe handling** Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not spray on an open flame or other ignition source. Do not pierce or burn, even after use. Use only in well-ventilated areas. Ensure adequate ventilation. Do not breathe mist/vapours/spray. Do not get in eyes, on skin, or on clothing. Wear suitable gloves if prolonged skin contact is likely. Wash hands thoroughly after handling.
- 7.2 Conditions for safe storage, including any incompatibilities**
 Storage Temperature: Protect from sunlight. Store in a well-ventilated place. Keep container tightly closed.
 Storage Life: Do not expose to temperatures exceeding 50°C/ 122°F.
 Incompatible materials: Stable under normal conditions.
 None known.
- 7.3 Specific end use(s)** Anti-rust coating/compound.

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
Dimethyl ether	115-10-6	400	766	500	958	WEL
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
Acetone	67-64-1	500	1210	1500	3620	WEL
Toluene	108-88-3	50	191	100	384	WEL
Solvent naphtha (petroleum), light arom.	64742-95-6					

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. Wear impervious gloves (EN374). Breakthrough time of the glove material: refer to the information provided by the gloves' producer.
- Respiratory protection  Wear suitable respiratory protective equipment. A suitable mask with filter type A (EN14387 or EN405) may be appropriate.
- Thermal hazards  Not applicable.



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8.2.3 Environmental Exposure Controls

Do not allow to enter drains, sewers or watercourses.

9. SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance	Aerosol.
Colour	Various colours.
Odour	Characteristic.
Odour Threshold	Not available.
pH	Not applicable.
Melting Point/Freezing Point	Not available.
Initial boiling point and boiling range	Not available.
Flash point	-60 °C
Evaporation rate	Not applicable.
Flammability (solid, gas)	Aerosol 1; Extremely flammable aerosol.
Upper/lower flammability or explosive limits	0.6 – 8.5 Vol-%
Vapour pressure	Not available.
Vapour density	Not available.
Relative density	Not available.
Solubility(ies)	Insoluble in water.
Partition coefficient: n-octanol/water	Not available.
Auto-ignition temperature	The product is not self-igniting.
Ignition temperature	240 °C
Decomposition Temperature	Not available.
Viscosity	Not available.
Explosive properties	Pressurised container: May burst if heated.
Oxidising properties	Not oxidising.

9.2 Other information

None.

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	Reacts violently with - Strong oxidising agents.
10.4 Conditions to avoid	Heat and direct sunlight. Do not mix with other chemicals.
10.5 Incompatible materials	Oxidizing agent, Reducing agent
10.6 Hazardous Decomposition Product(s)	This product may give rise to hazardous fumes in a fire.

11. SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

11.1.1 Mixtures

Acute toxicity

Ingestion	Solvent naphtha (petroleum), light arom.: LD50 (rat) >6800 mg/kg
Inhalation	STOT SE 3; May cause drowsiness or dizziness. Solvent naphtha (petroleum), light arom.: LD50 (rat) [4 hour(s)] >10.2mg/l
Dermal	Solvent naphtha (petroleum), light arom.: LD50 (rabbit) >3400 mg/kg



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Irritation	Repeated exposure may cause skin dryness or cracking.
Corrosivity	Not classified.
Sensitisation	It is not a skin sensitiser.
Repeated dose toxicity	None anticipated.
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	Low toxicity to aquatic organisms.
12.2 Persistence and degradability	The product is not biodegradable.
12.3 Bioaccumulative potential	No information available.
12.4 Mobility in soil	Insoluble in 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.

13. SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods	Recycle only completely emptied packaging. Containers must not be punctured or destroyed by burning, even when empty. Non-emptied aerosol: Dispose of wastes in an approved waste disposal facility.
13.2 Additional Information	Disposal should be in accordance with local, state or national legislation. Do not allow into any sewer on the ground, or into any body of water.

14. SECTION 14: TRANSPORT INFORMATION

14.1 UN number	UN 1950
14.2 UN proper shipping name	AEROSOLS.
ADR/RID/ADN/IMDG	AEROSOLS, FLAMMABLE.
ICAO/IATA	
14.3 Transport hazard class(es)	2
ADR/RID/ADN	2.1
IMDG/ICAO/IATA	
14.4 Packing Group	None.
14.5 Environmental hazards	Not classified as a Marine Pollutant.
14.6 Special precautions for user	None.
14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable.
14.8 Additional Information	
IMDG Code	EmS: F-D, S-U
Tunnel Restriction Code	D



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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.

Authorisation

REACH: ANNEX XIV LIST OF SUBSTANCES SUBJECT TO AUTHORISATION All chemicals are not listed.

SUBJECT TO AUTHORISATION

REACH: ANNEX XVII RESTRICTIONS ON THE MANUFACTURE, PLACING ON THE MARKET AND USE OF CERTAIN DANGEROUS SUBSTANCES, MIXTURES AND ARTICLES Listed: Toluene (CAS No.: 108-88-3).

MANUFACTURE, PLACING ON THE MARKET

AND USE OF CERTAIN DANGEROUS

SUBSTANCES, MIXTURES AND ARTICLES

Community Rolling Action Plan (CoRAP);

Listed: Toluene (CAS No.: 108-88-3).

Draft 20/03/2013

15.1.2 National regulations

Germany

WGK 1 (Slightly hazardous for water.)

15.2 Chemical Safety Assessment

Not available.

16. SECTION 16: OTHER INFORMATION

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

List contains all hazards and precautions which may/may not be applicable to this product.

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
WGK	Wassergefährdungsklasse (Germany)
Aerosol 1	Aerosol Category 1
Asp. Tox. 1	Aspiration hazard Category 1
Flam. Gas 1	Flammable gas Category 1
Flam. Liq. 2	Flammable Liquid Category 2
Flam. Liq. 3	Flammable Liquid Category 3
Press. Gas	Gases under pressure
STOT SE 3	Specific target organ toxicity — single exposure Category 3
STOT RE 2	Specific target organ toxicity — repeated exposure Category 2
Skin Irrit. 2	skin corrosion/irritation Category 2
Eye Irrit. 2	Serious eye damage/irritation Category 2
Repr. 2	Reproductive toxicity Category 2



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Hazard statement(s) and Precautionary statement(s)

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.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.
H361d	Suspected of damaging the unborn child.
H373	May cause damage to organs through prolonged or repeated exposure.
EUH066	Repeated exposure may cause skin dryness or cracking.
P102	Keep out of reach of children.
P261	Avoid breathing vapours.
P262	Do not get in eyes, on skin, or on clothing.
P312	Call a POISON CENTER/doctor if you feel unwell.
P331	Do NOT induce vomiting.
P403+P233	Store in a well-ventilated place. Keep container tightly closed.

Hazard pictogram(s)

GHS02



GHS07



Disclaimers

Information contained in this publication or as otherwise supplied to Users is believed to be accurate and is given in good faith, but it is for the Users to satisfy themselves of the suitability of the product for their own particular purpose.

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Annex to the extended Safety Data Sheet (eSDS)

No information available.