

## 1 . IDENTIFICATION: PRODUCT IDENTIFIER AND CHEMICAL IDENTITY

**Product Name:** ZINC SPRAY

**Recommended Use of the Chemical and Restriction on Use:** Primer

**Details of Manufacturer or Importer:**

Soudal Australia Pty Ltd  
Unit 1, 29 Prince William Drive  
Seven Hills NSW 2147

**Phone Number:** 02 8678 7449

**Emergency telephone number:** 1300 507 011

## 2 . HAZARDS IDENTIFICATION

**Hazardous Nature:**



flame

Flam. Aerosol 1 H222-H229 Extremely flammable aerosol. Pressurised container: May burst if heated.



health hazard

Asp. Tox. 1 H304 May be fatal if swallowed and enters airways.



environment

Aquatic Acute 1 H400 Very toxic to aquatic life.

Aquatic Chronic 1 H410 Very toxic to aquatic life with long lasting effects.



Eye Irrit. 2A H319 Causes serious eye irritation.

STOT SE 3 H336 May cause drowsiness or dizziness.

**Label Elements**

**Signal Word** Danger

**Hazard Statements**

H222-H229 Extremely flammable aerosol. Pressurised container: May burst if heated.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

H304 May be fatal if swallowed and enters airways.

H410 Very toxic to aquatic life with long lasting effects.

**Precautionary Statements**

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

P103 Read label before use.

P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

P251 Pressurized container: Do not pierce or burn, even after use.

P211 Do not spray on an open flame or other ignition source.

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- P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
- P280 Wear protective gloves/protective clothing/eye protection/face protection.
- P273 Avoid release to the environment.
- P264 Wash hands thoroughly after handling.
- P271 Use only outdoors or in a well-ventilated area.
- P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
- P337+P313 If eye irritation persists: Get medical advice/attention.
- P331 Do NOT induce vomiting.
- P391 Collect spillage.
- P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.
- P312 Call a POISON CENTER/doctor if you feel unwell.
- P405 Store locked up.
- P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.
- P403+P233 Store in a well-ventilated place. Keep container tightly closed.
- P501 Dispose of contents/container in accordance with local/regional/national regulations.

**3 . COMPOSITION AND INFORMATION ON INGREDIENTS**

**Chemical Characterization: Mixtures**

**Description:** Mixture of substances listed below with nonhazardous additions.

**Hazardous Components:**

7440-66-6	zinc powder -zinc dust (stabilized) ⚠ Aquatic Acute 1, H400; Aquatic Chronic 1, H410	25-<50%
115-10-6	dimethyl ether ⚠ Flam. Gas 1, H220; Press. Gas, H280	25-<50%
67-64-1	Acetone ⚠ Flam. Liq. 2, H225; ⚠ Eye Irrit. 2, H319; STOT SE 3, H336	10-<25%
64742-95-6	Solvent naphtha (petroleum), light arom. ⚠ Flam. Liq. 3, H226; ⚠ Muta. 1B, H340; Carc. 1B, H350; Asp. Tox. 1, H304	2.5-<20%
1330-20-7	Benzene, dimethyl- ⚠ Flam. Liq. 3, H226; ⚠ Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315	1-≤2.5%

**Additional information:**

Note P: The classification as a carcinogen or mutagen need not apply if it can be shown that the substance contains less than 0.1% w/w benzene (EINECS no. 200-753-7).

**4 . FIRST AID MEASURES**

**Inhalation:**

If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek medical attention if breathing problems develop.

**Skin Contact:**

In case of skin contact, immediately remove contaminated clothing and wash affected areas with water and soap. Seek medical attention if symptoms occur.

**Eye Contact:**

In case of eye contact, rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Do not apply neutralising agents. Seek medical attention.

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**Ingestion:**

If swallowed, do not induce vomiting. If vomiting occurs spontaneously, keep head below hips to prevent aspiration. Do not give anything by mouth to an unconscious person. Seek immediate medical attention.

## 5 . FIRE FIGHTING MEASURES

**Suitable Extinguishing Media:** Water spray, alcohol-resistant foam, BC powder and carbon dioxide.

**Specific Hazards Arising from the Chemical:**

Containers close to fire should be removed if safe to do so. Use water to keep fire exposed containers cool. Vapours are heavier than air and may travel long distance to a source of ignition and flash back. Hazardous combustion products include oxides of carbon and metallic fumes.

**Special Protective Equipment and Precautions for Fire Fighters:**

Wear Safe Work Australia approved self-contained breathing apparatus and full protective clothing.

## 6 . ACCIDENTAL RELEASE MEASURES

**Personal Precautions, Protective Equipment and Emergency Procedures:**

Wear Safe Work Australia approved respiratory protection, chemical resistant gloves, protective clothing and safety boots. Evacuate all non-essential personnel from affected area. Do not breathe vapours. Ensure adequate ventilation. Extinguish all sources of ignition. Avoid sparks and open flames. No smoking.

**Environmental Precautions:**

In the event of a major spill, prevent spillage from entering drains or water courses.

**Methods and Materials for Containment and Cleaning Up:**

Stop leak if safe to do so and absorb spill with sand, earth, vermiculite or some other absorbent material. Collect the spilled material and place into a suitable container for disposal. Use only non-sparking tools.

## 7 . HANDLING AND STORAGE

**Precautions for Safe Handling:**

Use of safe work practices are recommended to avoid eye or skin contact and inhalation of vapours. Use only outdoors or in a well-ventilated area.

Take precautionary measures against static discharge. Food, beverages and tobacco products should not be stored or consumed where this material is in use. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storage or re-use. Provide eyewash fountains and safety showers in close proximity to points of potential exposure.

**Conditions for Safe Storage:**

Store in a cool, dry and well ventilated area. Do not expose to temperatures exceeding 50 °C. Protect from direct sunlight, heat, sparks, open flames, hot surfaces and other sources of ignition. Pressurized container. Do not pierce or burn even after use.

## 8 . EXPOSURE CONTROLS AND PERSONAL PROTECTION

**Exposure Standards:****115-10-6 dimethyl ether**

NES	STEL: 950 mg/m <sup>3</sup> , 500 ppm TWA: 760 mg/m <sup>3</sup> , 400 ppm
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**67-64-1 Acetone**

NES	STEL: 2375 mg/m <sup>3</sup> , 1000 ppm TWA: 1185 mg/m <sup>3</sup> , 500 ppm
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<b>1330-20-7 Benzene, dimethyl-</b>	
NES	STEL: 655 mg/m <sup>3</sup> , 150 ppm TWA: 350 mg/m <sup>3</sup> , 80 ppm

**Engineering Controls:**

Maintain air concentration below occupational exposure standards, providing adequate ventilation. Use explosion-proof ventilating equipment.

**Personal Protective Equipment (PPE):****Respiratory Protection:**

Use a Safe Work Australia approved vapour respirator under conditions where exposure to the substance is apparent (e.g. generation of high concentrations of mist or vapour, inadequate ventilation, development of respiratory tract irritation), and engineering controls are not feasible. See Australian Standards AS/NZS 1715 and 1716 for more information

In air concentrations above exposure limit use gas mask with filter type A.

**Skin Protection:**

PVC, PVA, nitrile, neoprene, rubber or vinyl gloves. See Australian/New Zealand Standard AS/NZS 2161 for more information.

When selecting gloves for use against certain chemicals, the degradation resistance, permeation rate and permeation breakthrough time should be considered.

Occupational protective clothing (depending on conditions in which it has to be used, in particular as regards the period for which it is worn, which shall be determined on the basis of the seriousness of the risk, the frequency of exposure to the risk, the characteristics of the workstation of each worker and the performance of the protective clothing. See Australian/New Zealand Standard AS/NZS 4501 for more information.

**Eye and Face Protection:**

Eye and face protectors for protection against splashing materials or liquids. See Australian/New Zealand Standard AS/NZS 1337.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:**

<b>Form:</b>	Aerosol
<b>Colour:</b>	Variable in colour.
<b>Odour:</b>	Characteristic
<b>Odour Threshold:</b>	No information available
<b>pH-Value:</b>	No information available
<b>Melting point/Melting range:</b>	No information available
<b>Initial Boiling Point/Boiling Range:</b>	No information available
<b>Flash Point:</b>	Contains extremely flammable components.
<b>Flammability:</b>	Contains extremely flammable components.
<b>Auto-ignition Temperature:</b>	235 °C
<b>Decomposition Temperature:</b>	No information available
<b>Explosion Limits:</b>	
<b>Lower:</b>	0.7 Vol %
<b>Upper:</b>	18.6 Vol %
<b>Vapour Pressure at 20 °C:</b>	4000 hPa
<b>Relative Density at 20 °C:</b>	1.2 g/cm <sup>3</sup>
<b>Vapour Density:</b>	No information available
<b>Evaporation Rate:</b>	No information available
<b>Solubility in Water:</b>	Insoluble
<b>Partition Coefficient (n-octanol/water):</b>	No information available

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**Solvent content:****VOC:** 57 %**10 . STABILITY AND REACTIVITY****Possibility of Hazardous Reactions:** Hazardous polymerisation will not occur.**Chemical Stability:** Stable at ambient temperature and under normal conditions of use.**Conditions to Avoid:** Heat, sparks, open flames, hot surfaces and direct sunlight.**Incompatible Materials:** No information available**Hazardous Decomposition Products:** Carbon monoxide, carbon dioxide and metallic fumes.**11 . TOXICOLOGICAL INFORMATION****Toxicity:**

<b>LD<sub>50</sub>/LC<sub>50</sub> Values Relevant for Classification:</b>		
<b>115-10-6 dimethyl ether</b>		
Inhalation	LC <sub>50</sub> /4 h	308 mg/l (rat)
<b>67-64-1 Acetone</b>		
Oral	LD <sub>50</sub>	5800 mg/kg (rat)
Dermal	LD <sub>50</sub>	20000 mg/kg (rabbit)
<b>64742-95-6 Solvent naphtha (petroleum), light arom.</b>		
Oral	LD <sub>50</sub>	>6800 mg/kg (rat)
Dermal	LD <sub>50</sub>	>3400 mg/kg (rab)
Inhalation	LC <sub>50</sub> /4 h	>10.2 mg/l (rat)
<b>1330-20-7 Benzene, dimethyl-</b>		
Oral	LD <sub>50</sub>	4300 mg/kg (rat)
Dermal	LD <sub>50</sub>	2000 mg/kg (rabbit)

**Acute Health Effects****Inhalation:**

Exposure to high concentrations may cause irritation of the respiratory tract, nausea, vomiting, headache, CNS depression, dizziness, narcosis, respiratory difficulties and disturbances of consciousness.

**Skin:** Repeated contact with skin may cause skin dryness and cracking.**Eye:** Causes serious eye irritation.**Ingestion:** Ingestion is not considered a potential route of exposure.**Skin Corrosion / Irritation:** Based on classification principles, the classification criteria are not met.**Serious Eye Damage / Irritation:** Causes serious eye irritation.**Respiratory or Skin Sensitisation:** No sensitising effects known.**Germ Cell Mutagenicity:**

Based on classification principles, the classification criteria are not met.

The classification as a mutagen need not apply if it can be shown that the substance contains less than 0.1% w/w benzene (EINECS no. 200-753-7).

**Carcinogenicity:**

The classification as a carcinogen need not apply if it can be shown that the substance contains less than 0.1% w/w benzene (EINECS no. 200-753-7).

This product does NOT contain any IARC listed chemicals.

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**Reproductive Toxicity:** Based on classification principles, the classification criteria are not met.**Specific Target Organ Toxicity (STOT) - Single Exposure:** May cause drowsiness and dizziness.**Specific Target Organ Toxicity (STOT) - Repeated Exposure:**  
Based on classification principles, the classification criteria are not met.**Aspiration Hazard:** May be fatal if swallowed and enters airways.**Chronic Health Effects:** No information available**Existing Conditions Aggravated by Exposure:** No information available**12 . ECOLOGICAL INFORMATION****Ecotoxicity:** Toxic to aquatic organisms. May cause long term adverse effects in the aquatic environment.**Aquatic toxicity:****115-10-6 dimethyl ether**LC<sub>50</sub>/48 h >4400mg/l (daphnia)LC<sub>50</sub>/96 h >1000 mg/l (fish)**7440-66-6 zinc powder -zinc dust (stabilized)**LC<sub>50</sub>/96 h 0.14 mg/l (rainbow trout)**67-64-1 Acetone**LC<sub>50</sub>/96 h 5540 mg/l (rainbow trout)**1330-20-7 Benzene, dimethyl-**LC<sub>50</sub>/96 h 3.77 mg/l (rainbow trout)**Persistence and Degradability:** No information available**Bioaccumulative Potential:** No information available**Mobility in Soil:** No information available**13 . DISPOSAL CONSIDERATIONS****Disposal Methods and Containers:** Dispose according to applicable local and state government regulations.**Special Precautions for Landfill or Incineration:**

Please consult your state Land Waste Management Authority for more information.

**14 . TRANSPORT INFORMATION**

<b>UN Number</b>	1950
<b>Proper Shipping Name</b>	
<b>ADG</b>	AEROSOLS
<b>Dangerous Goods Class</b>	2
<b>Packing Group:</b>	Not applicable
<b>Marine pollutant:</b>	Yes Symbol (fish and tree)
<b>EMS Number:</b>	F-D,S-U
<b>Hazchem Code:</b>	2YE
<b>Special Provisions:</b>	63, 190, 277, 327

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<b>Limited Quantities:</b>	See SP 277
<b>Packagings &amp; IBCs - Packing Instruction:</b>	P003, LP02
<b>Packagings &amp; IBCs - Special Packing Provisions:</b>	PP17, PP87, L2
<b>Portable Tanks &amp; Bulk Containers - Instructions:</b>	Not applicable
<b>Portable Tanks &amp; Bulk Containers - Special Provisions:</b>	Not applicable

## 15 . REGULATORY INFORMATION

### Australian Inventory of Chemical Substances:

115-10-6	dimethyl ether
67-64-1	Acetone
64742-95-6	Solvent naphtha (petroleum), light arom.
1330-20-7	Benzene, dimethyl-

## 16 . OTHER INFORMATION

**Creation Date:** 20.06.2014**Prepared by:** MSDS.COM.AU Pty Ltd[www.msds.com.au](http://www.msds.com.au)

### Abbreviations and acronyms:

ADG: Australian Dangerous Goods  
GHS: Globally Harmonized System of Classification and Labelling of Chemicals  
EINECS: European Inventory of Existing Commercial Chemical Substances  
ELINCS: European List of Notified Chemical Substances  
CAS: Chemical Abstracts Service (division of the American Chemical Society)  
VOC: Volatile Organic Compounds  
LC50: Lethal concentration, 50 percent  
LD50: Lethal dose, 50 percent  
IARC: International Agency for Research on Cancer  
STEL: Short Term Exposure Limit  
TWA: Time Weighted Average  
NES: National Exposure Standard (Safe Work Australia - Workplace Exposure Standards For Airborne Contaminants)

### Disclaimer

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