

# Material Safety Data Sheet

## According to 91/155 EEC

Printing date 16.01.2007

Reviewed on 20.12.2006










### 1 Identification of the substance/preparation and of the company/undertaking

- **Product details**
- **Trade name:** **NO NONSENSE ZINC GALVANISING SPRAY**
- **Article number:** 04059
- **Application of the substance / the preparation** Paint
- **Manufacturer/Supplier:**  
CEDARSTAPE Ltd.  
Fowler road  
West Pitkerro Ind Est  
Dundee 5DD 3RU  
Tel: 01382 77 22 88  
Fax: 01382 77 22 99
- **Further information obtainable from:** QHSE Department

### 2 Composition/information on ingredients

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

· **Dangerous components:**

CAS: 115-10-6 EINECS: 204-065-8	dimethyl ether  F+; R 12	25-50%
CAS: 67-64-1 EINECS: 200-662-2	acetone  Xi,  F; R 11-36-66-67	20-25%
CAS: 64742-95-6 EINECS: 265-199-0	Solvent naphtha (petroleum), light arom.  Xn,  Xi,  N; R 10-37-51/53-65-66-67	12.5-20%
CAS: 7440-66-6 EINECS: 231-175-3	zinc powder -zinc dust (stabilized)  N; R 50/53	5-10%
CAS: 1330-20-7 EINECS: 215-535-7	xylene  Xn,  Xi; R 10-20/21-38	5-10%
EINECS: 231-072-3	aluminium powder (stabilized) R 10	5-10%

- **Additional information:** For the wording of the listed risk phrases refer to section 16.

### 3 Hazards identification

· **Hazard description:**



Xi Irritant  
F+ Extremely flammable  
N Dangerous for the environment

· **Information concerning particular hazards for human and environment:**

The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

At long or repeated contact with skin it may cause dermatitis due to the degreasing effect of the solvent.

Warning! Pressurized container.

Has a narcotizing effect.

R 12 Extremely flammable.

R 36 Irritating to eyes.

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R 51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R 66 Repeated exposure may cause skin dryness or cracking.

R 67 Vapours may cause drowsiness and dizziness.

Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use.

Do not spray on a naked flame or any incandescent material. Keep away from sources of ignition - No smoking.

Buildup of explosive mixtures possible without sufficient ventilation.

Keep out of the reach of children

**Classification system:**

The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

### 4 First-aid measures

- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:** Generally the product does not irritate the skin.
- **After eye contact:**  
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **After swallowing:** Drink plenty of water and provide fresh air. Call for a doctor immediately.

### 5 Fire-fighting measures

- **Suitable extinguishing agents:**  
CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **For safety reasons unsuitable extinguishing agents:** Water with full jet
- **Protective equipment:** No special measures required.

### 6 Accidental release measures

- **Person-related safety precautions:** Wear protective equipment. Keep unprotected persons away.
- **Measures for environmental protection:**  
Do not allow product to reach sewage system or any water course.  
Inform respective authorities in case of seepage into water course or sewage system.  
Do not allow to enter sewers/ surface or ground water.
- **Measures for cleaning/collecting:** Ensure adequate ventilation.

### 7 Handling and storage

- **Handling:**
- **Information for safe handling:**  
No special measures required.  
Ensure good ventilation/exhaustion at the workplace.  
Open and handle receptacle with care.
- **Information about fire - and explosion protection:**  
Do not spray onto a naked flame or any incandescent material.  
Keep ignition sources away - Do not smoke.  
Protect against electrostatic charges.  
Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C, i.e. electric lights. Do not pierce or burn, even after use.
- **Storage:**
- **Requirements to be met by storerooms and receptacles:**  
Store in a cool location.  
Observe official regulations on storing packagings with pressurized containers.
- **Information about storage in one common storage facility:** Not required.

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- **Further information about storage conditions:**  
 Keep container tightly sealed.  
 Do not seal receptacle gas tight.  
 Store in cool, dry conditions in well sealed receptacles.  
 Protect from heat and direct sunlight.

### 8 Exposure controls/personal protection

- **Additional information about design of technical facilities:** No further data; see item 7.

- **Ingredients with limit values that require monitoring at the workplace:**

#### 115-10-6 dimethyl ether

WEL () Short-term value: 958 mg/m<sup>3</sup>, 500 ppm  
 Long-term value: 766 mg/m<sup>3</sup>, 400 ppm

#### 67-64-1 acetone

WEL () Short-term value: 3620 mg/m<sup>3</sup>, 1500 ppm  
 Long-term value: 1210 mg/m<sup>3</sup>, 500 ppm

#### 1330-20-7 xylene

WEL () Short-term value: 441 mg/m<sup>3</sup>, 100 ppm  
 Long-term value: 220 mg/m<sup>3</sup>, 50 ppm  
 Sk; BMGV

- **Additional information:** The lists valid during the making were used as basis.

- **Personal protective equipment:**
- **General protective and hygienic measures:**  
 Keep away from foodstuffs, beverages and feed.  
 Immediately remove all soiled and contaminated clothing  
 Wash hands before breaks and at the end of work.  
 Do not inhale gases / fumes / aerosols.  
 Avoid contact with the eyes.  
 Avoid contact with the eyes and skin.
- **Respiratory protection:** Not required.
- **Protection of hands:** Not required.
- **Material of gloves:** Not required.
- **Penetration time of glove material:** Not required.
- **Eye protection:**



Tightly sealed goggles

### 9 Physical and chemical properties

- **General Information**

**Form:** Aerosol  
**Colour:** According to product specification  
**Odour:** Characteristic

- **Change in condition**

**Melting point/Melting range:** Undetermined.  
**Boiling point/Boiling range:** Not applicable, as aerosol.

- **Flash point:** < 0°C (< 32°F)  
 Not applicable, as aerosol.

- **Ignition temperature:** 235.0°C (455°F)

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· <b>Self-igniting:</b>	Product is not selfigniting.
· <b>Danger of explosion:</b>	Product is not explosive. However, formation of explosive air/vapour mixtures are possible.
· <b>Explosion limits:</b>	
<b>Lower:</b>	0.7 Vol %
<b>Upper:</b>	18.6 Vol %
· <b>Vapour pressure at 20°C (68°F):</b>	4000.0 hPa (3000 mm Hg)
· <b>Density at 20°C (68°F):</b>	0.86500 g/cm <sup>3</sup>
· <b>Solubility in / Miscibility with water:</b>	Not miscible or difficult to mix.
· <b>Solvent content:</b>	
<b>Organic solvents:</b>	75.2 %
· <b>EU-VOC:</b>	682.3 g/l
· <b>EU-VOC in %:</b>	78.88 %
· <b>Solids content:</b>	24.8 %

## 10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Dangerous reactions** No dangerous reactions known.
- **Dangerous decomposition products:** No dangerous decomposition products known.

## 11 Toxicological information

- **Acute toxicity:**

- **LD/LC50 values relevant for classification:**

### 115-10-6 dimethyl ether

LC50 / 4 h	308 mg/l (rat)
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### 67-64-1 acetone

Oral	LD50	5800 mg/kg (rat)
Dermal	LD50	20000 mg/kg (rabbit)
	LC50 / 4 h	39 mg/l (rat)

### 64742-95-6 Solvent naphtha (petroleum), light arom.

Oral	LD50	>5000 mg/kg (rat)
Dermal	LD50	>3000 mg/kg (rab)
	LC50 / 4 h	>15 mg/l (rat)

### 1330-20-7 xylene

Oral	LD50	4300 mg/kg (rat)
Dermal	LD50	2000 mg/kg (rabbit)
	LC50 / 4 h	22.1 mg/l (rat)

- **Primary irritant effect:**
- **on the skin:** No irritant effect.
- **on the eye:** Irritating effect.
- **Sensitization:** No sensitizing effects known.
- **Additional toxicological information:**

The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:

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Irritant

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## 12 Ecological information

- **Ecotoxicological effects:**

- **Aquatic toxicity:**

<b>115-10-6 dimethyl ether</b>	
EC50 / 48 h	>4000 mg/l (daphnia magna)
<b>67-64-1 acetone</b>	
EC50 / 48 h	39 mg/l (daphnia magna)
LC50 / 48 h	2262 mg/l (daphnia magna)
LC50 / 96 h (static)	5540 mg/l (fish)
<b>64742-95-6 Solvent naphtha (petroleum), light arom.</b>	
EC50 / 24 h	150 mg/l (daphnia magna)
EC50 / 48 h	7.4 mg/l (daphnia magna)
LC50 / 96 h	3.77 mg/l (fish)
<b>1330-20-7 xylene</b>	
EC50 / 48 h	7.4 mg/l (daphnia magna)
LC50 / 96 h	13.5 mg/l (fish)

- **Remark:** Toxic for fish

- **General notes:**

Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water

Do not allow product to reach ground water, water course or sewage system.

Danger to drinking water if even small quantities leak into the ground.

Also poisonous for fish and plankton in water bodies.

Toxic for aquatic organisms

## 13 Disposal considerations

- **Product:**

- **Recommendation**

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

- **European waste catalogue**

08 01 11	waste paint and varnish containing organic solvents or other dangerous substances
15 01 04	metallic packaging

- **Uncleaned packaging:**

- **Recommendation:** Disposal must be made according to official regulations.

## 14 Transport information

- **Land transport ADR/RID (cross-border)**



- **ADR/RID class:** 2 5F Gases.

- **Danger code (Kemler):** 23

- **UN-Number:** 1950

- **Packaging group:** -

- **Hazard label** 2.1

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· **Description of goods:** 1950 AEROSOLS

· **Maritime transport IMDG:**



· **IMDG Class:** 2.1  
 · **UN Number:** 1950  
 · **Label:** 2.1  
 · **Packaging group:** -  
 · **EMS Number:** F-D,S-U  
 · **Marine pollutant:** No  
 · **Proper shipping name:** AEROSOLS

· **Air transport ICAO-TI and IATA-DGR:**



· **ICAO/IATA Class:** 2.1  
 · **UN/ID Number:** 1950  
 · **Label:** 2.1  
 · **Packaging group:** -  
 · **Proper shipping name:** AEROSOLS, flammable

## 15 Regulatory information

· **Labelling according to EU guidelines:**

The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials.

· **Code letter and hazard designation of product:**



*Xi* Irritant  
*F+* Extremely flammable  
*N* Dangerous for the environment

· **Risk phrases:**

12 Extremely flammable.  
 36 Irritating to eyes.  
 51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
 66 Repeated exposure may cause skin dryness or cracking.  
 67 Vapours may cause drowsiness and dizziness.

· **Safety phrases:**

2 Keep out of the reach of children.  
 23 Do not breathe aerosol.  
 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
 29/56 Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point.  
 46 If swallowed, seek medical advice immediately and show this container or label.  
 51 Use only in well-ventilated areas.

· **Special labelling of certain preparations:**

Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use.  
 Do not spray on a naked flame or any incandescent material. Keep away from sources of ignition - No smoking.

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*Buildup of explosive mixtures possible without sufficient ventilation.  
Keep out of the reach of children*

**16 Other information**

*This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.*

**· Relevant R-phrases**

- 10 *Flammable.*
- 11 *Highly flammable.*
- 12 *Extremely flammable.*
- 20/21 *Harmful by inhalation and in contact with skin.*
- 36 *Irritating to eyes.*
- 37 *Irritating to respiratory system.*
- 38 *Irritating to skin.*
- 50/53 *Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.*
- 51/53 *Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.*
- 65 *Harmful: may cause lung damage if swallowed.*
- 66 *Repeated exposure may cause skin dryness or cracking.*
- 67 *Vapours may cause drowsiness and dizziness.*

**· Department issuing MSDS: QHSE Department****· Contact:**

Mrs. D. Kleistra

Mr. H.J. Hoogenberg