



## HEALTH AND SAFETY PRODUCT INFORMATION

Product: Zinc Weld Aerosol

Date: 1<sup>st</sup> May 2009

Product code: 472972

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1.

Company's name and Address
INDASA Abrasives (UK) Limited, Viking Works, Greenstead Road, Colchester Essex CO1 2ST Tel : 01206 870366 Fax : 01206 860525 Email : <a href="mailto:office@indasa.co.uk">office@indasa.co.uk</a>

2.

Composition/Information on ingredients				
Global description	<b>Active substance with propellant</b>			
Components that may contribute to hazards				
Name	CAS.Nr.	Range W/W%	R-phrases	Symbols
<b>Propane</b>	<b>74-98-6</b>	<b>10-25</b>	<b>12</b>	<b>F+</b>
<b>Acetone</b>	<b>67-64-1</b>	<b>25-50</b>	<b>11,36,66,67</b>	<b>Xi,F</b>
<b>Xylene (mix)</b>	<b>1330-20-7</b>	<b>2.5-10</b>	<b>10,20/21,38</b>	<b>Xn</b>
<b>Solvent naphtha (petroleum), light arom.</b>	<b>64742-95-6</b>	<b>2.5-10</b>	<b>10,37,52/53, 65,66,67</b>	<b>Xn N;</b>
<b>Propan-2-ol</b>	<b>67-63-0</b>	<b>1.0-2.5</b>	<b>11,36,67</b>	<b>Xi, F</b>

3.

Hazards identification	
Specific hazards	
R-phrases	Description
<b>12</b>	<b>Extremely flammable</b>
<b>52/53</b>	<b>Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment</b>
<b>66</b>	<b>Repeated exposure may cause skin dryness or cracking</b>
<b>67</b>	<b>Vapours may cause drowsiness and dizziness</b>

4.

First-Aid measures	
Inhalation	<b>Fresh air, rest, if necessary seeks medical advice.</b>
Skin	<b>Wash with plenty of water, if necessary take off dirty clothing, if necessary seek medical advice.</b>
Eyes	<b>Rinse with plenty of water and seek medical advice.</b>
Ingestion	<b>Wash out mouth with water and seek medical advice. Do not induce vomiting.</b>
General	<b>Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident</b>

5.

Fire-Fighting measures	
Extinguishing media	
Use	<b>CO<sub>2</sub>, powder or foam, Sand</b>
Don't use	<b>Water with full jet</b>
Specific hazards	
<b>In case of a fire, there may arise irritating gases. Aerosols may explode when overheated.</b>	
Specific methods	
<b>Keep pressurized containers cool by spraying with water. Extinguish fire from shelter.</b>	
Protection of firefighters	
<b>Wear protective clothing and oxygen- mask.</b>	

6.

Accident release measures	
Personal precautions	
<b>Remove sources of ignition. Ensure good ventilation</b>	
Environmental precautions	
<b>The product may not be spilled in effluent water. Inform relevant authorities in case of seepage.</b>	
Methods for cleaning-up	
<b>Take up spills with dry chemical absorbents or sand and remove as chemical waste.</b>	

7.

Handling and storage	
Handling	<b>Pressurized container: Protect from sunlight and do not expose to temperatures exceeding 50°C. Do not open violently. Do not pierce or burn, even after use. Keep away from sources of ignition. No smoking. Keep out of reach of children.</b>
Storage	<b>Stocked at a place, which is dry and cool, protect from sunlight and do not expose to temperatures exceeding 50 °C.</b>

8.

Exposure controls/personal protection		
Name		MAC
Propane 74-98-6 Asphyxiant	Long term value: 1800 mg/m <sup>3</sup>	1000 ppm
Acetone 67-64-1	Short term value: 3620 mg/m <sup>3</sup>	1500 ppm
Xylene (mix) 1330-20-7	Long term value: 1210 mg/m <sup>3</sup>	550 ppm
	Short term value: 441 mg/m <sup>3</sup>	100 ppm
Propan-2-ol 67-63-0	Long term value: 220 mg/m <sup>3</sup>	50 ppm
	Short term value: 1250 mg/m <sup>3</sup>	500 ppm
	Long term value: 999 mg/m <sup>3</sup>	400 ppm
Protection		
Respiratory	<b>Ventilation, do not eat, drink or smoke while using this product.</b>	
Hand	<b>Protective gloves</b>	
Eye	<b>Tightly sealed goggles</b>	
Skin and body	<b>Avoid contact</b>	

9.

Physical and chemical properties			
Physical state	<b>Liquid</b>	PH	-
Form	<b>Aerosol</b>	Log P octanol/water	-
Color	<b>Grey</b>	Solubility in water	<b>Not</b>
Temperatures		Viscosity	
Melting point	-	Vapour pressure @20°C	<b>3 Bar</b>
Boiling point	<b>-44°C</b>	Vapour density	-
Flash point	<b>&lt;0°C</b>	Density	<b>@20°C-1.281 g/cm<sup>o</sup></b>
Ignition	<b>450.0°C</b>	Conductivity	-
Explosion range	<b>Lower 1.7 v/v%</b>	Odour	<b>Solvents</b>

Explosion range	<b>upper 13.0 v/v%</b>	V.O.C. per 400ml	<b>235gr/Aerosol</b>
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**10.**

<b>Stability and reactivity</b>	
Conditions to avoid	<b>Temperatures exceeding 50°C</b>
Materials to avoid	-
Hazardous decomposition products	<b>None, with proper use and storage</b>

**11.**

<b>Toxicological information</b>	
Inhalation	<b>High vapour concentrations may cause suffocation.</b>
Skin	<b>Can decrease the skin by long term contact</b>
Eyes	<b>May cause transient irritation</b>
Ingestion	<b>Harmful if swallowed. Do not induce vomiting.</b>

**12.**

<b>Ecological information</b>	
Mobility	<b>Not known</b>
Persistence / degradability	<b>Insufficiently bio-degradable</b>
Bioaccumulation	<b>Not known</b>
Ecotoxicity	<b>Not known</b>

**13.**

<b>Disposal considerations</b>	
Product	<b>Dispose in a safe manner in accordance with local / national regulations</b>
Packaging	<b>As chemical waste</b>

**14.**

<b>Transport information</b>			
<b>Land transport ADR/RID (cross-border)</b>		<b>Maritime transport IMDG:</b>	
<b>ADR/RID class:</b>	2 5F Gases	<b>IMDG Class:</b>	2.1
<b>Danger code (kemler)</b>	23	<b>UN Number:</b>	1950
<b>UN-Number:</b>	1950	<b>Label:</b>	2.1
<b>Packaging group:</b>		<b>Packaging group:</b>	
<b>Hazard label:</b>	2.1	<b>EMS Number:</b>	F-D,S-U
<b>Description of goods:</b>	1950 Aerosols	<b>Marine polutant:</b>	No
		<b>Proper shipping name:</b>	Aerosols
<b>Air transport ICAO-T1 and IATA-DGR:</b>			
<b>ICAO/IATA Class:</b>	2.1	<b>Packaging group:</b>	
<b>UN/ID Number:</b>	1950	<b>Proper shipping name:</b>	Aerosols, flammable
<b>Label:</b>	2.1		

**15.**

<b>Regulatory information</b>	
EC-classification	
Contains	-
Symbol	<b>F + Extremely Flammable</b>
R-phrases	<b>12,52/53, 66, 67</b>
S-phrases	<b>2, 23, 24/25,26 46, 51</b>

**16.**

<b>Other information</b>			
Creation date	<b>01.05.09</b>	Production Management	
Replaces sheet of	<b>05.01.09</b>	Phil Blowers	
<b>This leaflet is for general guidance only and may contain inappropriate information under particular conditions. Samples will be provided on request to enable customers to satisfy themselves as to the suitability of the product for any specific purpose and to assess the product under their own working conditions.</b>			

