

**SIGMA WET BLAST INHIBITOR**

Version 1

Print Date Dec 2002

**1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING****Product information****Trade name** : 7499 SIGMA WET BLAST INHIBITOR**Company** : Sigma Paints  
PO Box 7509  
Dammam 31472**Telephone** : 96638473100**Telefax** : 96638471734**Emergency telephone number** : 966 3 8572394**2. COMPOSITION/INFORMATION ON INGREDIENTS**

CAS-No.	EINECS No	CAS-No.	Symbol(s):	R-phrases)	Concentration
DI-ISOPROPANOLAMINE	203-820-9	110-97-4	Xi	R36	50.00 - 100.00%
limonene	227-813-5	5989-27-5	Xi, N	R10, R38, R43, R50/53	0.00 - 2.50%

*For components with an occupational threshold limit value see chapter 8.***3. HAZARDS IDENTIFICATION****Irritant****R-phrases(s) :**

IRRITATING TO EYES.

HARMFUL TO AQUATIC ORGANISMS, MAY CAUSE LONG-TERM ADVERSE EFFECTS IN THE AQUATIC ENVIRONMENT.

**S-phrases(s) :**

Do not breathe spray.

In case of insufficient ventilation, wear suitable respiratory equipment.

Avoid release to the environment. Refer to special instructions/Safety data sheets.

**P-phrases(s) :**

Contains : limonene

May produce an allergic reaction.

**4. FIRST AID MEASURES**

- General advice** : When symptoms persist or in all cases of doubt seek medical advice. Never give anything by mouth to an unconscious person.
- Eye contact** : Irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart. Remove contact lenses. Seek medical advice.
- Skin contact** : Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. Do NOT use solvents or thinners.

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| <b>Inhalation</b> | : | Remove to fresh air. Keep patient warm and at rest. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. |
| <b>Ingestion</b>  | : | If accidentally swallowed obtain immediate medical attention. Keep at rest. Do not induce vomiting.   |

**5. FIRE-FIGHTING MEASURES**

- |  |   |  |
|--|---|--|
| <b>Specific hazards during fire fighting</b>                         | : | Cool closed containers exposed to fire with water spray. Do not allow run-off from fire fighting to enter drains or water courses. |
| <b>Special protective equipment for fire-fighters</b>                | : | Not applicable.  |
| <b>Suitable extinguishing media</b>                                  | : | Not combustible.   |
| <b>Extinguishing media which must not be used for safety reasons</b> | : | Not applicable.  |

**6. ACCIDENTAL RELEASE MEASURES**

- |                                  |   |  |
|----------------------------------|---|--|
| <b>Personal precautions</b>      | : | Use personal protective equipment. Ventilate the area. Refer to protective measures listed in sections 7 and 8. Material can create slippery conditions.   |
| <b>Environmental precautions</b> | : | Try to prevent the material from entering drains or water courses. If the product contaminates rivers and lakes or drains inform respective authorities.   |
| <b>Methods for cleaning up</b>   | : | Clean with detergents. Avoid solvents. Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13). |
| <b>Additional advice</b>         | : | Refer to section 15 for specific national regulation.  |

**7. HANDLING AND STORAGE**

- |  |   |  |
|--|---|--|
| <b>Handling</b>                                      |   |  |
| <b>Safe handling advice</b>                          | : | Avoid exceeding of the given occupational exposure limits (see section 8). Use only in area provided with appropriate exhaust ventilation. Avoid contact with skin, eyes and clothing. Smoking, eating and drinking should be prohibited in the application area. Avoid inhalation of vapour or mist. For personal protection see section 8.   |
| <b>Storage</b>                                       |   |  |
| <b>Requirements for storage areas and containers</b> | : | Observe label precautions. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Store between 5 and 25°C (41 - 77 F) in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. Keep from freezing! Store in accordance with the particular national regulations (see section 15). |
| <b>Advice on common storage</b>                      | : | Keep away from oxidising agents and strongly acid or alkaline materials.   |

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

- |   |   |
|---|---|
| <b>Minimum ventilated air quantity for 1 liter of product</b> |   |
| <b>TO REACH 10 % LEL</b>                                      | : |
| <b>Components with workplace control parameters</b>           | : |

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Components	CAS-No.	Value [mg/m <sup>3</sup> ]	Value [ppm]	Basis
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**Personal protective equipment****General advice**

- Respiratory protection** : When operators, whether spraying or not, have to work inside the spray booth, ventilation is unlikely to be sufficient to control particulates and solvent vapour in all cases. In such circumstances they should wear a compressed air-fed respirator during the spraying process and until such time as the particulates and solvent vapour concentration has fallen below the exposure limits.
- Hand protection** : For prolonged or repeated contact use protective gloves. Barrier creams may help to protect the exposed areas of skin, they should however not be applied once exposure has occurred. Skin should be washed after contact.
- Eye protection** : Chemical resistant goggles must be worn.
- Skin and body protection** : Personnel should wear protective clothing. Skin should be washed after contact.

- Additional advice** :
- : SigmaKalon Internal Safety Code (INSACO)
- Personal protection** : Gloves

*Please contact your personal protection equipment supplier for further advice*

**9. PHYSICAL AND CHEMICAL PROPERTIES**

- Form** : liquid
- Colour** : various
- Odour** : slight ester-like
- Flash point** : Note: not applicable
- Lower explosion limit** : 0.7 %(V)
- Density** : 0.99 g/cm<sup>3</sup>
- Water solubility** : completely soluble
- Viscosity, dynamic** : 200 mPa.s at 23 °C

**10. STABILITY AND REACTIVITY**

- Conditions to avoid** : Avoid temperatures above 60°C (140 F), direct sunlight and contact with sources of heat.
- Hazardous reactions** : Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.
- Hazardous decomposition products** : After evaporation of water, combustion will generate: Carbon dioxide (CO<sub>2</sub>), carbon monoxide (CO), oxides of nitrogen (NO<sub>x</sub>), dense black smoke.

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**11. TOXICOLOGICAL INFORMATION**

- Skin irritation** : Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in desiccation of the skin.
- Eye contact** : May cause irreversible eye damage.
- Further information** : There is no data available for this product.

**12. ECOLOGICAL INFORMATION**

- Further information** : The preparation has been assessed following the conventional method of the Dangerous Preparations Directive 1999/45/EC and is classified for ecotoxicological properties accordingly. See sections 2 and 15 for details.

**13. DISPOSAL CONSIDERATIONS**

- Product** : The product should not be allowed to enter drains, water courses or the soil. Disposal together with normal waste is not allowed. Special disposal required according to local regulations.

**14. TRANSPORT INFORMATION**

**ADR** : Not classified as dangerous in the meaning of transport regulations.

**IMDG** : Not classified as dangerous in the meaning of transport regulations.

**IATA\_C** : Not classified as dangerous in the meaning of transport regulations.

**15. REGULATORY INFORMATION**

**Remarks** : *A hard copy of the label is placed in section 3*

**Symbol(s):** : Xi Irritant

**R-phrases(s)** : R36 Irritating to eyes.  
R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

**S-phrases(s)** : S23 Do not breathe spray.  
S38 In case of insufficient ventilation, wear suitable respiratory equipment.  
S61 Avoid release to the environment. Refer to special instructions/Safety data sheets.

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<b>P-phrases(s)</b>	: P99	Contains : limonene May produce an allergic reaction.
<b>VOC</b>	: 5.3 g/l Method: Calculated	
<b>National legislation</b>		
<b>Risk classification according to VbF (Germany)</b>	: Group/Class: not applicable	
<b>Vlarem</b>	: Vlarem 4	
<b>CPR Classification</b>	: Xi	
<b>NER Classification</b>	: NER Class O.1: 0.0 %(m) NER Class O.2: 0.5 %(m) NER Class O.3: 0.0 %(m)	

**16. OTHER INFORMATION****Explanation of R-phrases mentioned in section 2**

DI-ISOPROPANOLAMINE	R36	Irritating to eyes.
limonene	R10	Flammable.
	R38	Irritating to skin.
	R43	May cause sensitization by skin contact.
	R50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

The information contained in this safety data sheet is based on the present state of knowledge and current national legislation at the date of issue. The company reserves the right to modify data without notice. Any change in data will normally be followed by issue of a new safety data sheet. The user should check the date of issue and if more than 12 months have elapsed, then the data should only be used after checking with our nearest sales office to establish that they are still valid. . As the specific conditions of use of the product are outside the suppliers control, the user is responsible for ensuring that the requirements of relevant legislation are complied with. None of the information contained in this safety data sheet can be constructed as a guarantee with regard to the properties of the product described. No liability can be accepted on the basis of this safety data sheet.

After all component(s) stated on the relevant Technical Data Sheet have been mixed the safety precautions mentioned on each of the component(s) safety data sheets and labels should be used in assessing the safety precautions of the mixed product.

For further information see technical data sheet number: 7499