

HEALTH AND SAFETY PRODUCT INFORMATION

Product: Etch Primer Grey

Date: 9th February 2006

Product code:

1.

Name and Address

Wayside Adhesives Ltd, 23 Main Road, Radcliffe on Trent, Nottingham. NG12 2BE

2.

Composition/Information on ingredients

Global description	Solvent mixture Active substance with propellant	
Name Range	W/W%	R-phrases
115-10-6 dimethyl ether EINECS: 204-065-8	25-50 %	F+; R 12
67-64-1 acetone EINECS: 200-662-2	10-25 %	Xi, F; R 11-36-66-67
1330-20-7 xylene (mix) EINECS: 215-535-7	10-25 %	Xn; R 10-20/21-38
71-36-3 butanol EINECS: 200-751-6	2.5-10 %	Xn; R 10-22-37/38-41-67
67-63-0 propan-2-ol EINECS: 200-661-7	2.5-10 %	Xi, F; R 11-36-67
<ul style="list-style-type: none">• Additional information: For the wording of the listed risk phrases refer to section 16.		

3.

Hazards identification

- **Hazard description:**
Xn Harmful
F+ Extremely flammable
- **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.
R 12 Extremely flammable.
R 20/21 Harmful by inhalation and in contact with skin.
R 36 Irritating to eyes.
R 66 Repeated exposure may cause skin dryness or cracking. 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.
- **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

- **General information:**
Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.
- **After inhalation:**
Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist. In case of unconsciousness place patient stably in side position for transportation.
- **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:**
Do not induce vomiting; call for medical help immediately.

5.

Fire-Fighting measures

- **Suitable extinguishing agents:**
Water haze
Fire-extinguishing powder
Carbon dioxide
Alcohol resistant foam
- **For safety reasons unsuitable extinguishing agents:** Water with full jet
- **Protective equipment:** Mount respiratory protective device.

6.

Accident release measures

- **Person-related safety precautions:**
Wear protective equipment. Keep unprotected persons away.
- **Measures for environmental protection:**
Do not allow to enter sewers/ surface or ground water.
- **Measures for cleaning/collecting:**
Dispose contaminated material as waste according to item 13.
Ensure adequate ventilation.

7.

Handling and storage

- **Handling:**
- **Information for safe handling:**
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.
- **Further information about storage conditions:**

Keep receptacle 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/m³, 500 ppm

Long-term value: 766 mg/m³, 400 ppm

67-64-1 acetone

WEL (): Short-term value: 3620 mg/m³, 1500 ppm

Long-term value: 1210 mg/m³, 500 ppm

1330-20-7 xylene (mix)

WEL (): Short-term value: 441 mg/m³, 100 ppm

Long-term value: 220 mg/m³, 50 ppm

71-36-3 butanol

WEL (): Short-term value: 154 mg/m³, 50 ppm

67-63-0 propan-2-ol

WEL (): Short-term value: 1250 mg/m³, 500 ppm

Long-term value: 999 mg/m³, 400 ppm

- **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:**

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

Filter A/P2

- **Protection of hands:**

Protective gloves

Solvent resistant gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

- **Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

- **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

- **Eye protection:** Tightly sealed goggles

- **Body protection:** Use protective suit.

9.

Physical and chemical properties

- **General Information**
- **Form:** Aerosol
- **Colour:** According to product specification
- **Odour:** Characteristic
- | | <u>Value/Range</u> | <u>Unit</u> | <u>Method</u> |
|---|---|-------------|-----------------------------------|
| • Change in condition | | | |
| • Melting point/Melting range: | | | Undetermined. |
| • Boiling point/Boiling range: | | -24 ° C | |
| • Flash point: | | -42 ° C | |
| • Ignition temperature: | | 235.0 ° C | |
| • Self-igniting: | | | Product is not selfigniting. |
| • Danger of explosion: | Product is not explosive. However, formation of explosive air/vapour mixtures are possible. | | |
| • Explosion limits: | | | |
| • Lower: | | 1.1 Vol % | |
| • Upper: | | 18.6 Vol % | |
| • Vapour pressure: | at 20 ° C | | 5200.0 hPa |
| • Density: | at 20 ° C | | 0.829 g/cm ³ |
| • Solubility in / Miscibility with | | | |
| • water: | | | Not miscible or difficult to mix. |
| • Solvent content: | | | |
| • Organic solvents: | | | 84.8 % |

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:
67-64-1 acetone
Oral: LD50: 5800 mg/kg (rat)
Dermal: LD50: 20000 mg/kg (rbt)

1330-20-7 xylene (mix)
Oral: LD50: 8700 mg/kg (rat)
Dermal: LD50: 2000 mg/kg (rbt)
Inhalative: LC50/4 h: 6350 mg/l (rat)

71-36-3 butanol
Oral: LD50: 790 mg/kg (rat)
Dermal: LD50: 3400 mg/kg (rbt)
Inhalative: LC50/4 h: 8000 mg/l (rat)

67-63-0 propan-2-ol
Oral: LD50: 4570 mg/kg (rat)
Dermal: LD50: 13400 mg/kg (rabbit)
Inhalative: LC50/4 h: 30 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:
Harmful
Irritant

12.

Ecological information

- **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.

13.

Disposal considerations

- **Product:**
- **Recommendation**
Must not be disposed together with household garbage. Do not allow product to reach sewage system.
- **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
- **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:**
Xn Harmful F+ Extremely flammable
- **Risk phrases:**
12 Extremely flammable.
20/21 Harmful by inhalation and in contact with skin.
36 Irritating to eyes.
66 Repeated exposure may cause skin dryness or cracking.
- **Safety phrases:**
2 Keep out of the reach of children.
23 Do not breathe fumes/aerosol.
25 Avoid contact with eyes.
26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
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. Buildup of explosive mixtures possible without sufficient ventilation.
- **National regulations:**
- **Technical instructions (air):**
Class Share in %
NK 50-100
- **Waterhazard class:**
Water hazard class 2 (Self-assessment): hazardous for water.
- **VOC-CH 84.83 %**
- **VOC-EU 703.2 g/l**
- **Danish MAL Code 4-3**

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.
22 Harmful if swallowed.
36 Irritating to eyes.
37/38 Irritating to respiratory system and skin.
38 Irritating to skin.
41 Risk of serious damage to eyes.
66 Repeated exposure may cause skin dryness or cracking.
67 Vapours may cause drowsiness and dizziness.

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Text of R-Statements listed in ingredients

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.