

PRODUCT SAFETY DATA SHEET

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01. IDENTIFICATION OF SUBSTANCE / PREPARATIONS:

Product name: 2K 5:1 ULTRA HI-BUILD PRIMER
Product code: PH001, PH025, PH005
Description: GREY PRIMER
Supplier: MB Products (UK) Ltd,
t/a MB Coatings
Unit 230 Ampress Business Park
Lymington, Hampshire SO41 8JW
Tel: 01590 677676 Fax: 01590 678578. www.mbcoatings.co.uk

02. COMPOSITION / INFORMATION ON INGREDIENTS:

Description	CAS No	% Weight	EINESC No	Symbol	Classification
n-Butyl Acetate	123-86-4	7-15	204-658-1		R10 R66 R67
Xylene	1330-20-7	4,5 – 12,5	215-535-7	Xn, Xi	R10 R20/21 R38
Ethylbenzene	100-41-4	0-8	202-849-4	Xn	R10 R20
Solvent Naphtha (petroleum) light aroma	64742-95-6	0-2,5	265-199-0	Xn, Xi	R10 R37
1,2,4- Trimethylbenzene	95-63-6	0-2,5	202-436-9	Xn, Xi, N	R10 R20 R36- 38r51/53
Fatty Acids Tall- Oil Esters with Polyethylene Glycol Mono (Hydrogen Maleate) compounds Amide from Diethylenetriamine & Tall Oil Fatty acids	222716-38-3	0-0,25		Xn, Xi, N	R22 R48 R36/38 R43 R50/53
Mesitylene	108-67-8	0-2,5	2-3-604-4	Xi, N	R10 R37 R52/53

The texts of the R phases are listed in chapter 16.

03. Hazards Identification:



Risk Warnings

Xn- Harmful

Xi - Irritant

- Flammable.
- May cause sensitization by skin contact.
- Vapours may cause drowsiness and dizziness.

04. First Aid Measures:

General

In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.

Inhalation

Remove patient to fresh air and seek medical assistance. If breathing is irregular or stopped, administer artificial respiration. Give nothing by mouth. If unconscious place in recover position.

Skin Contact

Remove contaminated clothing. Wash skin with soap and water, rinse abundantly.

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Eye Contact

Contact lenses should be removed. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart and seek medical advice.

Ingestion

Immediately rinse mouth and then drink plenty of water. Do NOT induce vomiting. Keep the patient warm and at rest and call a doctor immediately.

05. Fire-Fighting Measures:

Suitable Extinguishing Media

CO2 Foam, chemical powder for flammable liquids. Water may not be used to extinguish fire but it should be used to cool the containers exposed to flames and prevent fires and explosions. For leakage and spillage that have not could fire nebulized water may be used to disperse flammable vapors. Do not allow run-off from firefighting to enter drains or watercourses.

Unsuitable Extinguishing Method

Water Jet

Special Hazards due to the Substance, its Decomposition Products or Gases products by Fire:

Fire will produce dense black smoke. Inhalation of dangerous decomposition products may cause serious damage to health.

Special Protective Equipment

Appropriate breathing apparatus, helmet with face shield, protection for neck may be required.

Addition information

Cool closed containers in the vicinity of the source of fire.

06. Accidental Release Measures:

Person Protective Measures

Refer to protective measures listed in sections 5. Exclude sources of ignition and ventilate the area. Avoid breathing vapours.

Measures to Protect the Environment

Do not allow to enter drains or watercourses. If the product enters drains or sewers, the local water company should be contacted immediately; in the case of contamination of streams, rivers or lakes the Environment Agency.

Cleaning Measures

Contain and collect spillage with non-combustible absorbent materials e.g. sand, earth, vermiculite, diatomaceous earth and place in a suitable container for disposal according with the waste regulations (see section 13). Clean preferably with a detergent; avoid the use of solvents.

07. Handling and Storage:

Handling

Instructions for Safe Handling

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid concentration higher than the occupational exposure limits. Avoid skin and eye contact. Avoid inhalation of vapour. Smoking, eating and drinking are forbidden in application area. For personal protection see section 8. Comply with the Health and Safety at work laws. Isolate from sources of heat, sparks and open flame. Do not use any sparking tools. Product may charge electrostatically: always use earthing leads when transferring from one container to another and earth containers. It is recommended that operators should wear anti-static clothing and footwear.

Information on Fire and Explosion Protection

Solvent vapors are heavier than air and spread along floors. Vapor forms explosive mixtures with air. Keep container dry and tightly closed in a cool well-ventilated place.

Storage

Requirements for Storage Areas and Containers

Electrical equipment must be explosion-proof to the appropriate standard. Floors must be conducting type and impermeable to the materials being stored. Keep container tightly closed. Never use pressure to empty; container is not a pressure vessel. Close containers carefully once opened and store upright in order to prevent any leakage. No smoking. Prevent unauthorized access.

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Additional Information on Storage Conditions

Always keep in containers of the same material as the original one.

Observe label precautions. Store in a well-ventilated place away from sources of heat and direct sunlight.

Keep away from sources of ignition.

Specific use(s)

Detailed information can be gained from the relevant technical data sheets.

08. Exposure Controls / Personal Protection

Engineering Measures

Provide adequate ventilation. This can be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations at the work place below the occupational exposure limits, appropriate certified respirators must be worn.

Exposure control

Substance Name	8hr LTEL		15 min STEL		Notation
	ppm	mg/m ³	ppm	mg/m ³	
n-butyl Acetate	150		200		OEL, WEL
Xylene	50	221	100	442	OEL, WEL
Ethylbenzene	100	442	125	125	OEL, WEL
1,2,4-Trimethylbenzene	20	100			OEL, WEL
Mesitylene	25	100			OEL, WEL

Personal Protection

Respiratory Protection

When workers are facing concentrations above the occupational exposure limited they must use appropriate certified respirators, goggles and overalls.

Hand Protection

Wear protective gloves. Any chemical protection glove certified according to EN 374 is suitable: e.g. nitrile gloves. Material thickness: 1,25 mm. The gloves should be replaced immediately in case of damage or signs of wear. It is recommended to use preventative skin protection (skin cream).

Eye Protection

Required when there is a risk of eye contact. Use tight-fitting protective goggles.

Environmental exposure controls

See section 7 and 12

09 Physical and Chemicals Properties

Physical state	:	Liquid
Colour	:	Grey
Odour	:	Typical
Specific Gravity	:	1,526kg/l
Solid Content	:	72.11%
Flash Point	:	>21°C
V.O.C.	:	27.89% -425.52, 80g/litre of preparation
V.O.C. (volatile carbon)	:	21.38% -326.21, 78g/litre of preparation
Solubility in water	:	Insoluble in water

10. Stability and Reactivity

Stable under recommended storage and handling conditions (see section 7)

Conditions to be avoided

Substances to be avoided

Keep away from highly acidic or alkaline substances as well as oxidants in order to prevent exothermic reactions.

Hazardous Decomposition Products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide, carbon dioxide, smoke, oxides of nitrogen.

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11. Toxicological Information

Exposure to component solvent vapor concentrations in excess of the stated occupational exposure limit may result in adverse health effects such as serious depression of the central nervous system, symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Toluene has a toxic effect on the central and peripheral nervous system (with encephalopathies and polyneuritis), irritating to the skin, conjunctivae, cornea and respiratory apparatus. Solvents may cause some of the above effects by absorption through the skin. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin.

The liquid splashed in the eyes may cause irritation and reversible damage.

12. Ecological Information

General

There are no test results available for this product. 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. The product should not be allowed to enter drains or watercourses. If the product enters drains or sewers, the local water company should be contacted immediately; in the case of contamination of streams, rivers or lakes the Environment Agency

13. Disposal Considerations

Consider the possibility of burning the product in a suitable incinerator. Acid or basic products must always be neutralized before undergoing any treating including biological treatment whenever feasible. If the waste is solid it can be disposed of in a landfill.

Dirty Containers

Recommendation

Containers which are not properly emptied must be disposed pursuant to Directive 91/689/EEC.

14. Transport Information

Transport by Road or Rail: UN 1263, Paint / Paint Related Material, Class 3, Packing Group III, ADR 3 Special provision 640 E. Hazardous identification number 30

Sea Transport: UN 1263, Paint / Paint Related Material, Class 3, Packing Group III EMS: F-E, S-E

Air Transport: IATA 3 UN 1263, Paint / Paint Related Material, Class 3, Packing Group III **CARGO:**

Packaging instructions: 310 Maximum quantity: 220L **PASSENGER:** Packaging instructions: 309

Maximum quantity: 60L

15. Regulatory Information



Flammable



Xn- Harmful

Risk Warnings

- R10** : Flammable.
R20/21/22/65 : Harmful by inhalation, contact with skin & may cause lung damage if swallowed.
R36/37/38 : Irritation to eyes, respiratory system & skin.
R48 : Harmful danger of serious damage to health by prolonged exposure if swallowed.
R50/53 : Very toxic to aquatic organisms, may cause long-term adverse effect in the aquatic Environment.
R66 : Repeated exposure may cause skin dryness or cracking.

Safety Phrases.

- S18** : Handle and open container with care.
S28 : Do not breathe vapor.

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S36/07 : Wear suitable protective clothing & gloves.
S51 : use only in well-ventilated areas.

H Phrases

H225/26 : Highly flammable liquid & vapor.
H332 : Harmful if inhaled
H312 : Harmful in contact with skin
H302 : Harmful if swallowed
H304 : May be fatal if swallowed & enters airways
H373 : May cause damage to organs
H319 : Causes serious eye irritation
H315 : Causes skin irritation
H335 : May cause respiratory irritation
H317 : May cause allergic skin irritation
H336 : May cause drowsiness & dizziness
H400-411 : Very toxic to aquatic life, may cause long-term effect in the aquatic environment

Danger labeling under regulations 67/548/EEC and 1999/45/EC and following amendments and adjustments.

Workers exposed to this chemical agent must not undergo health checks, providing that available risk-assessment data prove that the risks related to the worker's health and safety are modest and that the 98/24EC regulation is respected.

16. Other Information

Restricted to professional users.

Full text of risk warnings for components listed in section 2

Risk Warnings

R10 : Flammable.
R20/21/22/65 : Harmful by inhalation, contact with skin & may cause lung damage if swallowed.
R36/37/38 : Irritation to eyes, respiratory system & skin.
R48 : Harmful danger of serious damage to health by prolonged exposure if swallowed.
R50/53 : Very toxic to aquatic organisms, may cause long-term adverse effect in the aquatic Environment.
R66 : Repeated exposure may cause skin dryness or cracking.
R67 : Vapors may cause drowsiness and dizziness.

General bibliography:

1. Regulation 1999/45/EC and following amendments;
2. Regulation 67/548/EEC and following amendments and adjustments (technical adjustment XXIX);
3. Regulation 1907/2006 (REACH) of the European Parliament
4. Regulation 1907/2006 (REACH) of the European Parliament
5. The Merck index - 10th edition;
6. Handling chemical safety;
7. Niosh - Registry of toxic and effects of chemical substances;
8. INRS - Fiche toxicologique (toxicological sheet);
9. Patty - Industrial hygiene and toxicology;
10. N.I. Sax - Dangerous properties of industrial materials - 7, 1989 edition;

The information of this Safety Data Sheet is based on the present state of our knowledge and on current EU and national laws. The product is not to be used for other purposes than those specified under section 1 without first obtaining written handling instruction. It is always the responsibility of the user to take all necessary steps in order to fulfil the demand laid down in the local rules and legislation. The information in this SDS is meant as a description of the safety requirements of our product: it is not to be considered as a guarantee of the products` properties.