

SAFETY DATA SHEET

BPS 7726

Last changed: 03/03/2010

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

TRADE NAME BPS 7726
APPLICATION AREA Impregnating agent

Vendor art. number
7726

NATIONAL MANUFACTURER/IMPORTER

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CONTACT PERSONS

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Emergency Phone	Type of assistance	Opening Hours
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2. HAZARDS IDENTIFICATION

HEALTH

Gas or vapour may irritate respiratory system.

FIRE AND EXPLOSION

R10 Flammable.

ENVIRONMENT

Contains component/components that are biodegradable with difficulty. R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient name	Reg.No	EC No.	CAS No.	Conc. (wt%)	Classification
Triethoxy(2,4,4- trimethylpentyl)silane			35435-21-3	70 - 100 %	F,R10 - R52/53
ethanol		200-578-6	64-17-5	1 - 5 %	F,R11

Explanation of symbols: T+=highly toxic, T=toxic, C=corrosive, Xn=harmful, Xi=irritant E=Explosive, O=Oxidising, F+=Extremely flammable, F=Highly flammable, N=Dangerous for the environment, Cancer=Carcinogenic, Mut=Mutagenic, Rep=Toxic for reproduction, Conc.=Concentration

4. FIRST AID MEASURES

INHALATION

Fresh air and rest. Get medical attention if any discomfort continues.

SKIN CONTACT

Rinse with water.

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EYE CONTACT

Promptly wash eyes with plenty of water while lifting the eye lids. Consult an eye specialist if the irritation persists.

INGESTION

Drink a few glasses of water. Do not induce vomiting. Consult a doctor if symptoms should occur.

5. FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA

Extinguishing agent: carbon dioxide, powder or a wide water jet.

IMPROPER EXTINGUISHING MEDIA

Avoid water in straight hose stream; will scatter and spread fire.

EXTINGUISHING METHODS

No information available

FIRE AND EXPLOSION HAZARDS

Not flammable, but combustible.

PROTECTIVE EQUIPMENT FOR FIRE FIGHTERS

Avoid breathing fire vapours. Firemen must wear closed-circuit breathing equipment and full protective suits.

OTHER INFORMATION

Containers close to fire should be removed or cooled with water.

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS

Wear necessary protective equipment. Avoid contact with the skin, eyes and respiratory tract.

SAFETY ACTIONS TO PROTECT EXTERNAL ENVIRONMENT

Collect in a suitable container approved for the purpose. Bank in and collect. Prevent discharges into the sewage system, watercourses or lakes.

METHODS FOR CLEANING UP

Do not rinse with water. Dry, scrape or absorb the product with inert material and place it in a refuse container. Major spillage should be collected with suitable absorption agents and dumped or incinerated in accordance with relevant regulations.

7. HANDLING AND STORAGE

HANDLING PRECAUTIONS

Use respirator in the presence of vapours/aerosols.

HANDLING ADVICE

Avoid contact with the skin and eyes, and also contact with clothes. Store in original container to avoid contamination.

STORAGE

Keep container tightly closed in a cool place.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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EXPOSURE CONTROL

Wash your hands thoroughly after handling and before eating or smoking. Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Provide sufficient ventilation during operations which cause vapour formation.

RESPIRATORY PROTECTION

Respirator only if aerosol or mist may be formed.

EYE PROTECTION

Use approved safety goggles or face shield.

HAND PROTECTION

Use protective gloves that are resistant to chemicals. Protective gloves (butyl rubber, natural rubber, nitrile rubber).

PROTECTIVE CLOTHING

Use suitable protective clothing, as necessary.

OEL value

Ingredient name	CAS no.	Range	ppm	mg/m ³	Year	Notification
ethanol	64-17-5	15 min.	1000	1900	1993	
ethanol	64-17-5	8 h	500	1000	1993	

R=Toxic for reproduction, H=Skin absorption, K=Carcinogenic, A=Sensitising, T=Upper limit, M=Mutagenic

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE Liquid.

COLOUR Colourless.

ODOUR Weak odour.

WATER SOLUBILITY Insoluble in water.

FAT SOLUBILITY Not applicable.

Physical and chemical parameters

Parameter	Value/unit	Method/reference	Observation
Flash point	> 40.00 °C		
Density	~ 880.00 kg/m ³		

10. STABILITY AND REACTIVITY

STABILITY

Stable.

CONDITIONS TO AVOID

Protect against moisture.

MATERIALS TO AVOID

Avoid contact with acids and alkalis. Avoid contact with water.

HAZARDOUS DECOMPOSITION PRODUCTS

By hydrolysis: ethanol

11. TOXICOLOGICAL INFORMATION

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ACUTE TOXIC TEST RESULTS

Triethoxy(2,4,4- trimethylpentyl)silane				
Route of exposure	Exposure time	Value/unit	Species	Source
(Oral)		> 2000.00 mg/kg	rat	

GENERAL

Preparation has low toxicity, therefore risk of damage is limited in normal handling. Used product must be handled with care, and skin contact avoided as far as possible.

INHALATION

Dust, vapours, mists or aerosol may cause irritation.

SKIN CONTACT

May be slightly irritating on protracted or repeated exposure.

EYE CONTACT

Mist or vapour may cause irritation.

INGESTION

Consumption of larger quantities can result in nausea, vomiting and stomach pains.

12. ECOLOGICAL INFORMATION

AQUATIC ECOTOXICITY

ethanol				
Test	Exposure time	Value/unit	Species	Source
LC50(Acute fish)	96h	13500.00 mg/l	Pimephales promelas	
EC50(Acute Daphnia)	48h	5400.00 mg/l	Daphnia magna	
IC50(Acute algae)	72h	> 10.90 mg/l	Skeletonema costatum	

Triethoxy(2,4,4- trimethylpentyl)silane				
Test	Exposure time	Value/unit	Species	Source
EC50(Acute Daphnia)	48h	12.00 mg/l	Daphnia magna	
LC50(Acute fish)	96h	41.00 mg/l	Oncorhynchus mykiss	

The product is expected to be harmful to aquatic organisms.

ECOTOXICITY

Contains component/components that are harmful to aquatic organisms.

DEGRADABILITY

Contains component/components that are biodegradable with difficulty.

ACCUMULATION

No information available

13. DISPOSAL CONSIDERATIONS

GENERAL REGULATIONS

Do not try to refill or clean the packaging. Emptied and cleaned packaging can be recycled or burnt. Unemptied packaging is classed as product.

CATEGORY OF WASTE

Suitable classification of waste is the responsibility of the user. Empty packages must be handled in an environmentally-correct manner as per the applicable laws and regulations.

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14. TRANSPORT INFORMATION

Classified as Dangerous Goods: No

15. REGULATORY INFORMATION

EC-Label: No

COMPOSITION

Triethoxy(2,4,4- trimethylpentyl)silane (70 - 100 %), ethanol (1 - 5 %)

R-PHRASES

R10 Flammable.
R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

S-PHRASES

S24/25 Avoid contact with skin and eyes.
S61 Avoid release to the environment. Refer to special instructions/safety data sheets.

16. OTHER INFORMATION

VENDOR NOTES

Assessed on the basis of available data.

LIST OF RELEVANT R-PHRASES

R10 Flammable.
R38 Irritating to skin.
R41 Risk of serious damage to eyes.
R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

REVISION HISTORY

Version	Rev. date	Responsible	Changes
1.0.1	03/03/2010	WS	New database