



1. Identification of the substance/preparation and of the company/undertaking

Identification of the substance or preparation

TIP TOP ADHESIVE PRIMER R

Art.-No.:

525 2901

Use of the substance/preparation

Primer Coat

Company/undertaking identification

TIP TOP Oberflächenschutz Elbe GmbH

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Responsible Department

Emergency telephone :++49 (0) 6132 / 84463 (GBK Gefahrgut Buero GmbH, Ingelheim)

Responsible for the safety data sheet: sds@gbk-ingelheim.de

2. Hazards identification

Classification

Indications of danger : Harmful

R-phrases :

Flammable.

Harmful by inhalation and in contact with skin.

Irritating to eyes, respiratory system and skin.

May cause sensitization by inhalation and skin contact.

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

3. Composition/information on ingredients

Chemical characterization

(Mixture)

Preparation with isocyanates

Hazardous components

EC-No.	CAS-No.	Chemical name	Quantity	Classification
215-535-7	1330-20-7	Xylene (mixed isomers)	25 - 35 %	Xn, Xi R10-20/21-38
	9016-87-9	Diphenylmethanediisocyanate, isomeres and homologues	> 25 %	Xn, Xi R20-36/37/38-42/43
265-199-0	64742-95-6	Solvent naphta (petroleum)	15 - 25 %	Xn, Xi, N R10-37-51-53-65
202-849-4	100-41-4	Ethyl benzene	< 10 %	F, Xn R11-20

Full text of each relevant R phrase can be found in heading 16.

Further Information

According to note P to the regulation (EC) no. 1272/2008, "Solvent naphta (petroleum)" is not to be classified as "carcinogenic" or "mutagen" ingredient because a benzene content (EINECS No. 200-753-7) is below 0.1 % by weight.

4. First aid measures



General information

Remove contaminated soaked clothing immediately.
In the event of persistent symptoms receive medical treatment.
Take away from danger area and lay down affected person.

After inhalation

If patient is not breathing, apply artificial respiration.
Move to fresh air in case of accidental inhalation of vapours.
Refer for medical treatment.

After contact with skin

Remove immediately adhering matter.
Wash off immediately with soap and plenty of water.
Treat subsequently with skin cream.
Consult a physician.

After contact with eyes

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.
Seek medical treatment by eye specialist.

After ingestion

Induce vomiting only upon the advice of a physician.
Attention. Beware, danger of aspiration.
Do not induce vomiting.
Summon a doctor immediately.
Rinse out mouth thoroughly with water.

Advice to doctor

Keep under medical supervision for at least 48 hours.

5. Fire-fighting measures

Suitable extinguishing media

Foam, carbon dioxide (CO₂), dry chemical, water-spray.

Extinguishing media which must not be used for safety reasons

Full water jet

Special exposure hazards arising from substance or preparation itself, combustion products, resulting gases

Fire may produce:

Carbon monoxide (CO), carbon dioxide (CO₂) and nitrogen oxides (NO_x).

Hydrogen cyanide (HCN)

Special protective equipment for fire-fighters

Wear self-contained breathing apparatus and protective suit.

Additional information

Cool containers at risk with water spray jet.

Do not release chemically contaminated water into drains, soil or surface waters. Sufficient measures must be taken to retain water used for extinguishing.

Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.

6. Accidental release measures



Personal precautions

In case of vapour formation use respirator.
Ensure adequate ventilation.
Remove persons to safety.
Use personal protective clothing.
Keep away sources of ignition.

Environmental precautions

Do not discharge into the drains/surface waters/groundwater.
Do not discharge into the subsoil/soil.

Methods for cleaning up/taking up

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder).
Shovel into suitable container for disposal.

Additional information

Container should not be gas-tight closed.
Container can be pressurized by carbon dioxide due to reaction with humid air and/or water.

7. Handling and storage

Handling

Advice on safe handling

Keep container tightly closed.
Vapours are heavier than air and spread along ground.
Avoid contact with the skin and the eyes.
Do not breathe vapours.
Local exhaust.
Use only in thoroughly ventilated areas.

Advice on protection against fire and explosion

Keep away from heat and sources of ignition.
Vapours are heavier than air and spread along ground.
Vapours can form an explosive mixture with air.
Take precautionary measures against static discharges.

Storage

Requirements for storage rooms and vessels

Keep container tightly closed in a dry, cool and well-ventilated place.
Keep at temperatures between 15°C and 25°C.

Advice on storage compatibility

Exothermic reaction with:
Acids and bases.
Water, amines, alcohols

Further information on storage conditions

Keep away from food, drink and animal feeding stuffs.
Container can be pressurized by carbon dioxide due to reaction with humid air and/or water.

Storageclass (VCI) 3 A

8. Exposure controls/personal protection

Exposure limit values

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**Exposure limits (EH40)**

CAS-No.	Chemical name	ml/m ³	mg/m ³	F/ml	Category	Origin
100-41-4	Ethylbenzene	100	441		TWA (8 h)	WEL
	Ethylbenzene	125	552		STEL (15 min)	WEL
1330-20-7	Xylene, o-, m-, p- or mixed isomers	50	220		TWA (8 h)	WEL
	Xylene, o-, m-, p- or mixed isomers	100	441		STEL (15 min)	WEL

Exposure controls**Occupational exposure controls**

Ensure adequate ventilation, especially in confined areas.

Protective and hygiene measures

Do not inhale vapours.

Avoid contact with eyes and skin.

Wash hands before breaks and immediately after handling the product.

When using, do not eat, drink or smoke.

Take off immediately all contaminated clothing.

Respiratory protection

In case of insufficient ventilation wear suitable respiratory equipment (gas filter type A).

Hand protection

Chemical protective glove made of nitrile, nitrile/cotton, butyl or neoprene, with a minimum thickness of 0.7 mm, permeation time of approx. 480 minutes.

This recommendation refers exclusively to the chemical compatibility and the lab test conforming to EN 374 carried out under lab conditions.

Requirements can vary as a function of the use. Therefore it is necessary to adhere additionally to the recommendations given by the manufacturer of protective gloves.

Pls. find examples in the protective gloves database under: <http://bestglove.com/site/chemrest/>

Eye protection

Eye wash bottle with pure water.

Tightly fitting goggles

Skin protection

Light protective clothing

9. Physical and chemical properties**General information**

Physical state	Liquid
Colour	Brown
Odour	Of aromatic carbon hydroxides

Important health, safety and environmental information

		Test method
Changes in the physical state		
Boiling point	approx. 136 °C	Xylene
Flash point	29 °C	
Flammability		
Lower explosion limits	1 vol. %	
Upper explosion limits		
Ignition temperature	> 400 °C	
Density (at 20 °C) :	approx. 1 g/cm ³	Solvent naphtha



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Water solubility :	Reacts with water
Flow time : at (23 °C)	> 30s 3 DIN EN ISO 2431

10. Stability and reactivity

Conditions to avoid

Vapours may form explosive mixture with air.

Container can be pressurized by carbon dioxide due to reaction with humid air and/or water.

Materials to avoid

Acids and bases

Water, amines, alcohols

Hazardous decomposition products

Hydrogen cyanide gas.

Carbon monoxide (CO), carbon dioxide (CO₂) and nitrogen oxides (NO_x)

Additional information

No decomposition if stored and applied as directed.

11. Toxicological information

Empirical data on effects on humans

Irritating to eyes, respiratory system and skin.

Harmful by inhalation and in contact with skin.

May cause sensitization by inhalation and skin contact.

With hypersensitive people, reactions as cough or difficulty of breathing may appear even with tiny concentrations of isocyanates; therefore keep room aerated and ventilated.

12. Ecological information

Further information

Do not flush into surface water or sanitary sewer system.

Hazard to waters

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

In aqueous systems, formation of insoluble and chemically inert (inactive) polyureas.

13. Disposal considerations

Advice on disposal

Where possible recycling is preferred to disposal.

Can be incinerated, when in compliance with local regulations.

Waste disposal number of waste from residues/unused products

080409 WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS; wastes from MFSU of adhesives and sealants (including waterproofing products); waste adhesives and sealants containing organic solvents or other dangerous substances

Classified as hazardous waste.

Contaminated packaging



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Empty containers should be taken for local recycling, recovery or waste disposal.

Contaminated packagings are to be treated like the product itself.

Contaminated packaging should be emptied as far as possible and after appropriate cleansing may be taken for reuse.

14. Transport information

Land transport (ADR/RID)

ADR/RID class	3
Classification code :	F1
Hazard-no.	30
UN number	1993
Hazard label	3
ADR/RID packing group	III
Limited quantity	LQ 7

Description of the goods

FLAMMABLE LIQUID, N.O.S. (Xylene (mixed isomers), Solvent naphta (petroleum))

Other applicable information (land transport)

LQ 7: combination packaging: 5 l / 30 kg (total gross mass); trays: 5 l / 20 kg (total gross mass).

Tunnel restriction code: D/E

Transport category: 3

Inland waterways transport

Marine transport

IMDG code	3
UN number	1993
Marine pollutant	No
EmS	F-E; S-E
IMDG packing group	III
Limited quantity :	5 L / 30 kg
Hazard label	3

Description of the goods

FLAMMABLE LIQUID, N.O.S. (xylene and Solvent Naphtha)

Other applicable information (marine transport)

Limited quantities (section 3.4): combination packaging: 5 l / 30 kg (total gross mass); trays: 5 l / 20 kg (total gross mass).

Air transport

ICAO/IATA-DGR	3
UN/ID number	1993
Hazard label	3
IATA-packing instructions - Passenger	309
IATA-max. quantity - Passenger	60 L
IATA-packing instructions - Cargo	310
IATA-max. quantity - Cargo	220 L
ICAO packing group	III
Limited quantity Passenger	Y309 / 10 L

Description of the goods

FLAMMABLE LIQUID, N.O.S. (xylene and Solvent Naphtha, solution)



15. Regulatory information

Labelling

Additional advice on labelling According to EC-regulations the product is to be labelled as follows:

Indication of danger Xn - Harmful

Hazardous component(s) to be indicated on label

Diphenylmethanediisocyanate, isomeres and homologues

Xylene (mixed isomers)

R phrases

- 10 Flammable.
- 20/21 Harmful by inhalation and in contact with skin.
- 36/37/38 Irritating to eyes, respiratory system and skin.
- 42/43 May cause sensitization by inhalation and skin contact.
- 52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

S phrases

- 23 Do not breathe vapour.
- 35 This material and its container must be disposed of in a safe way.
- 36/37 Wear suitable protective clothing and gloves.
- 45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
- 61 Avoid release to the environment. Refer to special instructions / Safety data sheets.

Special labelling for certain preparations

Contains isocyanates. See information supplied by the manufacturer.

National regulatory information

- Employment restrictions Observe employment restrictions for young people. Observe employment restrictions for child bearing mothers and nursing.
- Water contaminating class (D) 2 - water contaminating
- 1999/13/EC (VOC) < 70 %

16. Other information

Full text of R-phrases referred to under sections 2 and 3

- 10 Flammable.
- 11 Highly flammable.
- 20 Harmful by inhalation.
- 20/21 Harmful by inhalation and in contact with skin.
- 36/37/38 Irritating to eyes, respiratory system and skin.
- 37 Irritating to respiratory system.
- 38 Irritating to skin.
- 42/43 May cause sensitization by inhalation and skin contact.
- 51 Toxic to aquatic organisms.
- 52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- 53 May cause long-term adverse effects in the aquatic environment.
- 65 Harmful: may cause lung damage if swallowed.

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Further Information

Data of items 4 to 8, as well as 10 to 12, do partly not refer to the use and the regular employing of the product (in this sense consult information on use and on product), but to liberation of major amounts in case of accidents and irregularities.

The information describes exclusively the safety requirements for the product (s) and is based on the present level of our knowledge.

The delivery specifications are contained in the corresponding product sheet.

This data does not constitute a guarantee for the characteristics of the product(s) as defined by the legal warranty regulations.

"(n.a. = not applicable; n.d. = not determined)"

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)