

**Safety Data Sheet**

according to WHMIS

**TIP TOP ADHESIVE TC 5000**

Revision date: 04.02.2025

Product code: 00359-1237

Page 1 of 10

**1. Identification****Product identifier**

TIP TOP ADHESIVE TC 5000

**Art.-No.**

525 2217, 525 2224, 525 2286, 525 2293, 525 2389

**Relevant identified uses of the substance or mixture and uses advised against****Use of the substance/mixture**

Adhesive

**Details of the supplier of the safety data sheet**

Company name: TIP TOP Oberflächenschutz Elbe GmbH  
Street: Heuweg 4  
Place: D-06886 Wittenberg  
Telephone: +49(0)3491/635-50      Telefax: +49(0)3491/635-552  
Responsible Department: Responsible for the safety data sheet: sds@gbk-ingelheim.de

**Emergency telephone number:** INTERNATIONAL: +49 - (0) 6132 - 84463, GBK GmbH (24h - 7d/w - 365d/a)  
(001) 352 323 3500 Infotrac/GBK GmbH-ID: 93591a

**2. Hazard identification****Classification of the substance or mixture****WHMIS 2015**

Flammable liquids: Flam. Liq. 3  
Acute toxicity: Acute Tox. 4 (dermal)  
Acute toxicity: Acute Tox. 4 (inhalation)  
Skin corrosion/irritation: Skin Irrit. 2  
Serious eye damage/eye irritation: Eye Irrit. 2A  
Carcinogenicity: Carc. 2  
Reproductive toxicity: Repr. 1A  
Specific target organ toxicity - single exposure: STOT SE 3 (respiratory tract irritation)  
Specific target organ toxicity - repeated exposure: STOT RE 2  
Hazardous to the aquatic environment: Aquatic Chronic 3

**Label elements****WHMIS 2015****Signal word:** Danger**Pictograms:****Hazard statements**

Flammable liquid and vapour.  
Harmful in contact with skin or if inhaled.  
Causes skin irritation.  
Causes serious eye irritation.  
Suspected of causing cancer.  
May damage fertility or the unborn child.  
May cause respiratory irritation.  
May cause damage to organs through prolonged or repeated exposure.  
Harmful to aquatic life with long lasting effects.

**Safety Data Sheet**

according to WHMIS

**TIP TOP ADHESIVE TC 5000**

Revision date: 04.02.2025

Product code: 00359-1237

Page 2 of 10

**Precautionary statements**

Obtain special instructions before use.  
Do not handle until all safety precautions have been read and understood.  
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
Do not breathe vapour.  
Wear protective gloves/protective clothing/eye protection/face protection.  
IF exposed or concerned: Get medical advice/attention.  
Store locked up.  
Avoid release to the environment.

**Other hazards**

According to Regulation (EC) No 1907/2006 (REACH) none of the substances, contained in this product are a PBT / vPvB substance.  
Vapours may form explosive mixture with air.

**3. Composition/information on ingredients****Mixtures****Chemical characterization**

Mixture containing following substances with additives :

**Hazardous components**

CAS No	Chemical name	Quantity
	Reaction mass of ethylbenzene and xylene	< 80 %
28514-92-3	Phenol, 4-(1,1-dimethylethyl)-, polymer with ethyne	< 5 %
1314-41-6	Lead tetroxide	< 1 %

**Further Information**

SVHC substance [Regulation (EC) No 1907/2006, Article 57]  
Lead tetroxide

**4. First-aid measures****Description of 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**

Move to fresh air in case of accidental inhalation of vapours.  
In the event of symptoms refer for medical treatment.

**After contact with skin**

Wash off immediately with soap and plenty of water.  
Treat subsequently with skin cream.  
Consult a doctor if skin irritation persists.

**After contact with eyes**

Rinse immediately with plenty of water, also under the eyelids.  
Seek medical treatment by eye specialist.

**After ingestion**

Do not induce vomiting.  
Rinse out mouth and give plenty of water to drink.  
Never give anything by mouth to an unconscious person.  
Summon a doctor immediately.  
The decision whether to induce vomiting or not is to be taken by a physician.

**Safety Data Sheet**

according to WHMIS

**TIP TOP ADHESIVE TC 5000**

Revision date: 04.02.2025

Product code: 00359-1237

Page 3 of 10

**Most important symptoms and effects, whether acute or delayed**

May damage the unborn child.  
Harmful in contact with skin or if inhaled.  
Causes skin irritation.  
Causes serious eye irritation.  
May cause respiratory irritation.  
May cause damage to organs through prolonged or repeated exposure.  
WHMIS: This material is considered hazardous by WHMIS 2015 (Workplace Hazardous Materials Information System).

**Indication of immediate medical attention and special treatment needed**

Treat symptoms.

**5. Fire-fighting measures****Extinguishing media****Suitable extinguishing media**

Foam, carbon dioxide (CO<sub>2</sub>), dry chemical, water-spray.

**Unsuitable extinguishing media**

Full water jet.

**Specific hazards arising from the hazardous product**

Fire may produce:  
Carbon monoxide, carbon dioxide and sulphur oxides.  
Bromine compounds

**Special protective equipment and precautions for fire-fighters**

Use breathing apparatus with independent air supply.  
Protective suit.

**Additional information**

Vapours are heavier than air and spread along ground.  
The vapour/air mixture is explosive, even in empty, uncleaned receptacles.  
Cool containers at risk with water spray jet.  
Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.

**6. Accidental release measures****Personal precautions, protective equipment and emergency procedures****General advice**

Ensure adequate ventilation.  
Keep away sources of ignition.  
Keep away noninvolved persons.

**For non-emergency personnel**

Do not breathe vapours.  
Avoid contact with skin, eyes and clothing.

**For emergency responders**

In case of vapour formation use respirator.  
Use personal protective clothing.

**Environmental precautions**

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

**Methods and material for containment and cleaning up****For containment**

Prevent spread over a wide area (e.g. by containment or oil barriers).

**For cleaning up**

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder).

**Safety Data Sheet**

according to WHMIS

**TIP TOP ADHESIVE TC 5000**

Revision date: 04.02.2025

Product code: 00359-1237

Page 4 of 10

Shovel into suitable container for disposal.

Clean contaminated surface thoroughly.

**Reference to other sections**

Observe protective instructions (see Sections 7 and 8).

Information for disposal look up chapter 13.

**7. Handling and storage****Precautions for safe handling****Advice on safe handling**

Keep container tightly closed.

Use only in area provided with appropriate exhaust ventilation.

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

**Advice on protection against fire and explosion**

Keep product and empty container away from heat and sources of ignition.

Pay attention to anti-explosion rules.

Do not smoke.

Take precautionary measures against static discharges.

**Advice on general occupational hygiene**

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.

Remove and wash contaminated clothes before re-use.

**Conditions for safe storage, including any incompatibilities****Requirements for storage rooms and vessels**

Keep containers tightly closed in a cool, well-ventilated place.

Keep away from heat and sources of ignition.

**Hints on joint storage**

Incompatible with oxidizing agents.

**Further information on storage conditions**

Keep away from food, drink and animal feeding stuffs.

**8. Exposure controls/Personal protection****Control parameters****Exposure limits (ACGIH)**

CAS No	Chemical name	ppm	mg/m <sup>3</sup>	F/ml	Category	Origin
1333-86-4	Carbon black (inhalable fraction)		3		TWA (8 h)	ACGIH-2024
100-41-4	Ethyl benzene	20			TWA (8 h)	ACGIH-2024
-	Lead inorganic compounds, as Pb		0.05		TWA (8 h)	ACGIH-2024
1330-20-7	Xylene: mixed isomers	20			TWA (8 h)	ACGIH-2024

**Exposure controls****Appropriate engineering controls**

Ensure adequate ventilation, especially in confined areas.

Pay attention to explosion protection guidelines.

**Individual protection measures, such as personal protective equipment****Eye/face protection**

Tightly fitting goggles.

**Safety Data Sheet**

according to WHMIS

**TIP TOP ADHESIVE TC 5000**

Revision date: 04.02.2025

Product code: 00359-1237

Page 5 of 10

Eye wash bottle with pure water.

**Hand protection**

Protective gloves resistant to chemicals made off viton, Minimum coat thickness 0,7 mm, Permeation resistance (wear duration) approx. 480 minutes, i.e. protective glove <Vitoject 890> made by www.kcl.de. 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.

**Skin protection**

Long sleeved clothing.

**Respiratory protection**

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

**9. Physical and chemical properties****Information on basic physical and chemical properties**

Physical state:	Liquid
Colour:	Black
Odour:	Hydrocarbon-like

**Test method****Changes in the physical state**

Melting point/freezing point:	< -25 °C
Boiling point or initial boiling point and boiling range:	136 - 145 °C (*)
Sublimation point:	n.a.
Softening point:	n. d.
Flash point:	24 °C (*)

**Flammability**

Solid/liquid:	n.a.
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**Explosive properties**

The product is considered non-explosive; nevertheless explosive vapour/air mixture can be generated.

Lower explosive limits:	1,0 vol. % (*)
Upper explosive limits:	8,0 vol. % (*)
Auto-ignition temperature:	approx. 460 °C (*)

**Self-ignition temperature**

Solid:	n.a.
Gas:	n.a.
Decomposition temperature:	n. d.
pH-Value:	n. d.
Viscosity / dynamic:	approx. 2000 mPa·s
Viscosity / kinematic: (at 40 °C)	> 20,5 mm <sup>2</sup> /s
Flow time:	n. d.
Water solubility:	Immiscible

**Solubility in other solvents**

n. d.	
Partition coefficient n-octanol/water:	n. d.

**Safety Data Sheet**

according to WHMIS

**TIP TOP ADHESIVE TC 5000**

Revision date: 04.02.2025

Product code: 00359-1237

Page 6 of 10

Vapour pressure: (at 20 °C)	8 hPa (*)
Vapour pressure: (at 50 °C)	45 hPa (*)
Density (at 20 °C):	0,91 g/cm <sup>3</sup>
Bulk density:	n.a.
Relative vapour density:	n. d.

**Other information****Information with regard to physical hazard classes**

Sustaining combustion:	Sustaining combustion
Oxidizing properties	
Not oxidising.	

**Other safety characteristics**

Solvent separation test:	n. d.
Solvent content:	< 80 %
Evaporation rate:	n. d.

**Further Information**

(\*) Reaction mass of ethylbenzene and xylene

**10. Stability and reactivity****Reactivity**

No decomposition if stored and applied as directed.

**Chemical stability**

Stable under normal conditions.

**Possibility of hazardous reactions**

Reactions with oxidizing agents.

**Conditions to avoid**

To avoid thermal decomposition, do not overheat.  
Vapours may form explosive mixture with air.  
An inappropriate handling, for instance major amounts of product combined with strong heat and nitrosating agents, renders possible a cleavage of nitrosamines in traces.

**Incompatible materials**

Strong oxidizing agents

**Hazardous decomposition products**

No hazardous decomposition products known.  
Fire may produce:  
Carbon monoxide, carbon dioxide, sulphur oxides.  
Bromine compounds

**11. Toxicological information****Information on toxicological effects****Acute toxicity**

Harmful in contact with skin.  
Harmful if inhaled.  
No toxicological data available.

**ATEmix calculated**

ATE (oral) > 2000 mg/kg; ATE (dermal) 1438 mg/kg; ATE (inhalation vapour) 14,38 mg/l; ATE (inhalation dust/mist) 1,962 mg/l

**Safety Data Sheet**

according to WHMIS

**TIP TOP ADHESIVE TC 5000**

Revision date: 04.02.2025

Product code: 00359-1237

Page 7 of 10

**Irritation and corrosivity**

Skin corrosion/irritation: Causes skin irritation.

Serious eye damage/eye irritation: Causes serious eye irritation.

**Sensitizing effects**

Based on available data, the classification criteria are not met.

**Carcinogenic/mutagenic/toxic effects for reproduction**

Suspected of causing cancer. (Lead tetroxide)

May damage fertility or the unborn child. (Phenol, 4-(1,1-dimethylethyl)-, polymer with ethyne; Lead tetroxide)

Germ cell mutagenicity: Based on available data, the classification criteria are not met.

**STOT-single exposure**

May cause respiratory irritation. (Reaction mass of ethylbenzene and xylene)

**STOT-repeated exposure**

May cause damage to organs through prolonged or repeated exposure. (Reaction mass of ethylbenzene and xylene)

**Aspiration hazard**

Based on available data, the classification criteria are not met.

**Information on likely routes of exposure**

Skin and eye contact, inhalation and ingestion.

**Additional information on tests**

Classification in compliance with the assessment procedure specified in the Regulation (EC) no 1272/2008.

**Information on other hazards****Endocrine disrupting properties**

No data available

**Other information**

Inhalation of vapours in high concentration can cause narcotic effects.

Inhalation of high vapour concentration may cause symptoms like headache, dizziness, tiredness, nausea and vomiting.

Repeated or prolonged exposure may cause skin irritation and dermatitis, due to degreasing properties of the product.

**12. Ecological information****Ecotoxicity**

Ecological data are not available.

Harmful to aquatic life with long lasting effects.

**Persistence and degradability**

No data available

**Bioaccumulative potential**

No data available

**Mobility in soil**

No data available

**Endocrine disrupting properties**

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meet the criteria.

**Other adverse effects**

Hazardous water pollutant.

**Further information**

Do not flush into surface water or sanitary sewer system.

**13. Disposal considerations**

**Safety Data Sheet**

according to WHMIS

**TIP TOP ADHESIVE TC 5000**

Revision date: 04.02.2025

Product code: 00359-1237

Page 8 of 10

**Waste treatment methods****Disposal recommendations**

Where possible recycling is preferred to disposal.

Can be incinerated, when in compliance with local regulations.

**Contaminated packaging**

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

Packaging that cannot be cleaned should be disposed of like the product.

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

**14. Transport information****Canadian TDG**

**UN number:** UN 1133  
**Proper shipping name:** Adhesives  
**Hazard classes:** 3  
**Packing group:** III  
Hazard label: 3  
Limited quantity: 5L

**Marine transport (IMDG)**

**UN number or ID number:** UN 1133  
**United Nations proper shipping name:** Adhesives  
**Transport hazard class(es):** 3  
**Packing group:** III  
Hazard label: 3



Marine pollutant: No  
Limited quantity: 5 L / 30 kg  
Excepted quantity: E1  
EmS: F-E, S-D

**Air transport (ICAO-TI/IATA-DGR)**

**UN number or ID number:** UN 1133  
**United Nations proper shipping name:** Adhesives  
**name:**  
**Transport hazard class(es):** 3  
**Packing group:** III  
Hazard label: 3



Limited quantity Passenger: 10 L  
Passenger LQ: Y344  
Excepted quantity: E1  
IATA-packing instructions - Passenger:

355



**Safety Data Sheet**

according to WHMIS

**TIP TOP ADHESIVE TC 5000**

Revision date: 04.02.2025

Product code: 00359-1237

Page 9 of 10

IATA-max. quantity - Passenger:	60 L
IATA-packing instructions - Cargo:	366
IATA-max. quantity - Cargo:	220 L

**Environmental hazards**

ENVIRONMENTALLY HAZARDOUS: No

**15. Regulatory information****Canadian regulations****DSL/NDSL inventory status**

All components are listed on the DSL Inventory.

**National Pollutant Release Inventory (NPRI)**

Xylene (mixed isomers) (1330-20-7)

Ethylbenzene (100-41-4)

Lead tetroxide (1314-41-6)

**WHMIS classification**

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all information required by the CPR.

**16. Other information****Changes**

This data sheet contains changes from the previous version in section(s): 2, 14.

**Abbreviations and acronyms**

ADR = Accord européen relatif au transport international des marchandises Dangereuses par Route

RID = Règlement concernant le transport international ferroviaire de marchandises dangereuses

ADN = Accord européen relatif au transport international des marchandises dangereuses par voie de navigation intérieure

IMDG = International Maritime Code for Dangerous Goods

IATA/ICAO = International Air Transport Association / International Civil Aviation Organization

MARPOL = International Convention for the Prevention of Pollution from Ships

IBC-Code = International Code for the Construction and Equipment of Ships Carrying Dangerous Chemicals in Bulk

GHS = Globally Harmonized System of Classification and Labelling of Chemicals

REACH = Registration, Evaluation, Authorization and Restriction of Chemicals

CAS = Chemical Abstract Service

EN = European norm

ISO = International Organization for Standardization

DIN = Deutsche Industrie Norm

PBT = Persistent Bioaccumulative and Toxic

vPvB = Very Persistent and very Bio-accumulative

LD = Lethal dose

LC = Lethal concentration

EC = Effect concentration

IC = Median immobilisation concentration or median inhibitory concentration

**Further Information**

Data of sections 4 to 8, as well as 10 to 12, do not necessarily refer to the use and the regular handling of the product (in this sense consult package leaflet and expert information), but to release 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.



## Safety Data Sheet

according to WHMIS

### TIP TOP ADHESIVE TC 5000

Revision date: 04.02.2025

Product code: 00359-1237

Page 10 of 10

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)

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