

**Safety Data Sheet**

according to 29 CFR 1910.1200(g)

TIP TOP ADHESIVE TC 5000

Revision date: 02/04/2025

Product code: 00359-1237

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Precautionary statements

- Obtain special instructions before use.
- Do not handle until all safety precautions have been read and understood.
- Keep away from heat/sparks/open flames/hot surfaces. - 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.

Hazards not otherwise classified

- 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 substances listed in section 3 with additives

Hazardous components

CAS No	Components	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.

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Most important symptoms and effects, both acute and 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.
- OSHA Hazard Communication: This material is considered hazardous by the OSHA Hazard Communication Standard 29CFR 1910.1200.

Indication of any immediate medical attention and special treatment needed

- Treat symptoms.

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

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

Unsuitable extinguishing media

- Full water jet.

Specific hazards arising from the chemical

- 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).



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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

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Exposure limits

CAS No	Substance	ppm	mg/m ³	f/cc	Category	Origin
1333-86-4	Carbon black (in presence of polycyclic aromatic hydrocarbons (PAHs)) (as PAHs)	-	0.1		TWA (8 h)	REL
1333-86-4	Carbon black (inhalable fraction)		3		TWA (8 h)	ACGIH-2024
1333-86-4	Carbon black	-	3.5		TWA (8 h)	REL
100-41-4	Ethyl benzene	100	435		TWA (8 h)	REL
		100	435		TWA (8 h)	REL
		125	545		STEL (15 min)	REL
100-41-4	Ethyl benzene	20			TWA (8 h)	ACGIH-2024
7439-92-1	Lead inorganic (as Pb)	-	0.05		TWA (8 h)	REL
-	Lead inorganic compounds, as Pb		0.05		TWA (8 h)	ACGIH-2024
7439-92-1	Lead	-	0.050		TWA (8 h)	REL
1330-20-7	Xylene: mixed isomers	20			TWA (8 h)	ACGIH-2024
1330-20-7	Xylenes (o-,m-,p-isomers)	100	435		TWA (8 h)	REL

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.

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
Color:	Black
Odor:	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.

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Softening point: n.d.
Flash point: 24 °C (*)

Flammability

Solid/liquid: n.a.

Explosive properties

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

Lower explosion limits: 1,0 vol. % (*)
Upper explosion 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 mm²/s

Flow time: n.d.

Water solubility: Immiscible

Solubility in other solvents

n.d.

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

Vapor pressure:
(at 20 °C) 8 hPa (*)

Vapor pressure:
(at 50 °C) 45 hPa (*)

Density (at 20 °C): 0,91 g/cm³

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

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Stability: Stable

Stable under normal conditions.

Possibility of hazardous reactions

Hazardous reactions: Will not occur

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**Route(s) of Entry**

Skin and eye contact, inhalation and ingestion.

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

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.

Specific target organ toxicity (STOT) - single exposure

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

Specific target organ toxicity (STOT) - repeated exposure

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

Carcinogenicity (IARC): Carbon black (CAS 1333-86-4) is listed in group 2B.

Aspiration hazard

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

Additional information on tests

This product is classified in accordance with the GHS regulations.

Information on other hazards

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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 meets the criteria.

Other adverse effects

Hazardous water pollutant.

Further information

Do not flush into surface water or sanitary sewer system.

13. Disposal considerations**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**U.S. DOT 49 CFR 172.101****UN number or ID number:**

UN 1133

Proper shipping name:

Adhesives

Transport hazard class(es):

3

Packing group:

III

Hazard label:

3

**Marine transport (IMDG)**

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UN number or ID number: UN 1133
UN 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
UN proper shipping name: Adhesives
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
IATA-max. quantity - Passenger: 60 L
IATA-packing instructions - Cargo: 366
IATA-max. quantity - Cargo: 220 L

Environmental hazards

ENVIRONMENTALLY HAZARDOUS: No

Special precautions for user

Handle in accordance with good industrial hygiene and safety practice.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

The transport takes place only in approved and appropriate packaging.

15. Regulatory information**U.S. Regulations****National Inventory TSCA**

All of the components are listed on the TSCA inventory.

National regulatory information

SARA Section 304 CERCLA:

Xylene (mixed isomers) (1330-20-7): Reportable quantity = 100 (45.4) lbs. (kg)

Ethylbenzene (100-41-4): Reportable quantity = 1,000 (454) lbs. (kg)

SARA Section 311/312 Hazards:

Xylene (mixed isomers) (-): Fire hazard, Immediate (acute) health hazard, Delayed (chronic) health hazard

Lead tetroxide (1314-41-6): Delayed (chronic) health hazard, Immediate (acute) health hazard

SARA Section 313 Toxic release inventory:

Xylene (mixed isomers) (1330-20-7): De minimis limit = 1.0 %, Reportable threshold = Standard

Ethylbenzene (100-41-4): De minimis limit = 0.1 %, Reportable threshold = Standard

Clean Air Act Section 112(b):

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Xylene (mixed isomers) (1330-20-7), Ethylbenzene (100-41-4)

State Regulations

Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65, State of California)

WARNING: This product can expose you to chemicals including Carbon black (airborne, unbound particles of respirable size) (cancer); Ethylene thiourea (cancer, developmental), which are known to the State of California to cause cancer, birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

16. Other information

Hazardous Materials Identification System (HMIS)

Health: *4
Flammability: 1
Physical Hazard: 0

NFPA Hazard Ratings

Health: 1
Flammability: 1
Reactivity: 0
Unique Hazard:



Changes

Revision date: 04.02.2025
Revision No: 1,6

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

Other data

The information in this document is based on the present state of knowledge and is applicable to the product with regard to appropriate safety precautions.
The information describes exclusively the safety requirements for the product (s) and is based on the present level of our knowledge.



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