



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

Identification of the substance or preparation

TIP TOP ADHESIVE-SOLUTION SH 3E, VISK. 250

Art.-No.:

538 1402, 538 1431, 538 1513

Use of the substance/preparation

Adhesive

Company/undertaking identification

REMA TIP TOP GmbH

a company of the group

Gruber Straße 63

D-85586 Poing

Telephone

++49 (0) 8121 / 707 - 0

Inquiry office

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

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

Stahlgruber Otto Gruber GmbH & Co KG

Gruber Straße 65

D-85586 Poing

2. Hazards identification

Classification

R-phrases :

Flammable.

Repeated exposure may cause skin dryness or cracking.

Vapours may cause drowsiness and dizziness.

3. Composition/information on ingredients

Chemical characterization

(preparation)

Preparation in aliphatic hydrocarbons

Hazardous components

EC-No.	CAS-No.	Chemical name	Quantity	Classification
265-151-9	64742-49-0	Naphtha (petroleum)	< 80 %	Xn R10-65-66-67

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

Further Information

According to note P to the directive 67/548/EEC, "Naphtha (petroleum)" is not to be classified as

"carcinogenic" 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

Move to fresh air in case of accidental inhalation of vapours.

Seek medical treatment immediately.



After contact with skin

Wash off 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, for at least 15 minutes.

Summon a doctor immediately.

After ingestion

Do not induce vomiting.

Summon a doctor immediately.

Induce vomiting only upon the advice of a physician.

Attention. Beware, danger of aspiration.

5. Fire-fighting measures

Suitable extinguishing media

Alcohol-resistant foam, dry chemical, carbon dioxide (CO₂), 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, carbon dioxide and sulphur oxides.

Special protective equipment for fire-fighters

Use breathing apparatus with independent air supply.

Protective suit

Additional information

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

In case of vapour formation use respirator.

Use only explosion-proof equipment.

The vapour/air mixture is explosive, even in empty, uncleaned receptacles.

Vapours are heavier than air and spread along ground.

Remove persons to safety.

Environmental precautions

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

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.

7. Handling and storage

Handling



Advice on safe handling

Keep container tightly closed.
Vapours are heavier than air and spread along ground.
Use only in thoroughly ventilated areas.

Advice on protection against fire and explosion

Keep away from heat and sources of ignition.
Do not smoke.
Take precautionary measures against static discharges.
Use only explosion-proof equipment.

Storage

Requirements for storage rooms and vessels

Keep container tightly closed in a dry, cool and well-ventilated place.
Pay attention to anti-explosion rules.

Advice on storage compatibility

Incompatible with oxidizing agents.

Further information on storage conditions

Keep away from food, drink and animal feeding stuffs.

Storageclass (VCI)

3 A

8. Exposure controls/personal protection

Exposure limit values

Exposure controls

Occupational exposure controls

Ensure adequate ventilation, especially in confined areas.

Protective and hygiene measures

Do not inhale vapours.
Wash hands before breaks and immediately after handling the product.
When using, do not eat, drink or smoke.
Treat subsequently with skin cream.
Avoid contact with skin, eyes and clothing.
Remove and wash contaminated clothes before re-use.

Respiratory protection

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

Hand protection

Protective gloves resistant to chemicals made off nitrile, Minimum coat thickness 0.4 mm, Permeation resistance (wear duration) approx. 480 minutes, i.e. protective glove <Camatril Velours 730> 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.

Eye protection

Tightly fitting goggles

Skin protection

Solvent-resistant apron.



9. Physical and chemical properties

General information

Physical state	Liquid
Colour	Pink
Odour	Hydrocarbon-like

Important health, safety and environmental information

		Test method
Changes in the physical state		
Melting point	< - 30 °C	*)
Boiling point	143 - 160 °C	*)
Flash point	27 °C	*)
Flammability		
Lower explosion limits	0,8 vol. %	*)
Upper explosion limits	6 vol. %	*)
Ignition temperature	287 °C	*)
Vapour pressure :	10 hPa	*)
at (20 °C)		
Vapour pressure :	30 hPa	*)
at (50 °C)		
Density (at 20 °C) :	0,85 g/cm³	
Water solubility :	Immiscible	
at (20 °C)		
Flow time :	> 30 sec	3 DIN/ISO 2431
at (23 °C)		
Solvent content		
< 80 %		
*) Naphtha (petroleum)		

10. Stability and reactivity

Conditions to avoid

To avoid thermal decomposition, do not overheat.

In use formation of flammable/explosive vapour-air mixtures possible.

Materials to avoid

Oxidizing agents.

Hazardous decomposition products

Carbon monoxide, carbon dioxide, sulphur oxides.

Additional information

No decomposition if stored and applied as directed.

11. Toxicological information

Empirical data on effects on humans

Repeated exposure may cause skin dryness or cracking.

Vapours may cause drowsiness and dizziness.



Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhoea.
Inhalation of high vapour concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting.
Contact with eyes may cause irritation.
Repeated or prolonged exposure may cause skin irritation and dermatitis, due to degreasing properties of the product.

12. Ecological information

Further information

Do not flush into surface water or sanitary sewer system.
Slightly water hazardous.

13. Disposal considerations

Advice on disposal

Can be incinerated, when in compliance with local regulations.
Where possible recycling is preferred to disposal.

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

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

14. Transport information

Land transport (ADR/RID)

ADR/RID class	3
Classification code :	F1
Hazard-no.	30
UN number	1133
Hazard label	3
ADR/RID packing group	III
Limited quantity	LQ 7

Description of the goods

Adhesives

Remarks (land transport)

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

Inland waterways transport

Marine transport

IMDG code	3
UN number	1133
Marine pollutant	No

Safety Data Sheet according to Regulation (EU) No. 1907/2006

REMA TIP TOP GmbH

Revision date : 02.04.2008

Revision no. : 1,00

TIP TOP ADHESIVE-SOLUTION SH 3E, VISK. 250

00156-0369



EmS	F-E; S-D
IMDG packing group	III
Limited quantity :	5 L / 30 kg
Hazard label	3

Description of the goods

ADHESIVES

Remarks (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	1133
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

ADHESIVES

15. Regulatory information**Labelling**

Additional advice on labelling

According to EC-regulations the product is to be labelled as follows:

R phrases

- 10 Flammable.
- 66 Repeated exposure may cause skin dryness or cracking.
- 67 Vapours may cause drowsiness and dizziness.

S phrases

- 16 Keep away from sources of ignition - No smoking.
- 23 Do not breathe vapour .
- 24 Avoid contact with skin.
- 33 Take precautionary measures against static discharges.
- 35 This material and its container must be disposed of in a safe way.

National regulatory information

Employment restrictions

Observe employment restrictions for young people.; Observe employment restrictions for child bearing mothers and nursing.

Water contaminating class

1 - slightly water contaminating

1999/13/EC (VOC)

< 80 %

16. Other information**Full text of R-phrases referred to under sections 2 and 3**

- 10 Flammable.
- 65 Harmful: may cause lung damage if swallowed.
- 66 Repeated exposure may cause skin dryness or cracking.
- 67 Vapours may cause drowsiness and dizziness.



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.)