



# TIP TOP SOLUTION STL-NL4

## Safety Data Sheet

according to the WHS Regulations  
SDS No: 00156-0445

P271 - Use only outdoors or in a well-ventilated area.  
P273 - Avoid release to the environment.  
P280 - Wear eye protection, face protection, protective gloves, protective clothing.  
P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing.  
Rinse skin with water .  
P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
P312 - Call a doctor, a POISON CENTER if you feel unwell.  
P332+P313 - If skin irritation occurs: Get medical attention, medical advice.  
P391 - Collect spillage.  
P403+P233 - Store in a well-ventilated place. Keep container tightly closed.  
P403+P235 - Store in a well-ventilated place. Keep cool.  
P405 - Store locked up.  
P501 - Dispose of contents and container to an approved waste disposal plant.

### 2.3. Other hazards which do not result in classification

Other hazards not contributing to the classification : Vapours may form explosive mixture with air.

## SECTION 3: Composition and information on ingredients

Comments : Preparation solved in petroleum spirit.

Name	CAS-No.	%	Classification according to the model Work Health and Safety Regulations (WHS Regulations)
Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, < 3% normal hexane	64742-49-0	< 60	Flam. Liq. 2, H225 Skin Irrit. 2, H315 STOT SE 3, H336 Asp. Tox. 1, H304 Aquatic Chronic 2, H411
Hydrocarbons, C6, iso, < 3% normal hexane	64742-49-0	< 20	Flam. Liq. 2, H225 Skin Irrit. 2, H315 STOT SE 3, H336 Asp. Tox. 1, H304 Aquatic Chronic 2, H411
Other substances (not contributing to the classification of this product)	-	< 20	Not classified
Zinc oxide	1314-13-2	< 2,5	Aquatic Acute 1, H400 Aquatic Chronic 1, H410
Colophony	8050-09-7	< 1	Skin Sens. 1, H317
1,3-benzenediol	108-46-3	< 1	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens. 1, H317 STOT SE 1, H370 STOT SE 2, H371 Aquatic Acute 1, H400 Aquatic Chronic 3, H412
methenamine	100-97-0	< 1	Flam. Sol. 2, H228 Skin Sens. 1, H317
N-(1,3-Dimethylbutyl)-N'-phenyl-p-phenylenediamine	793-24-8	< 0,3	Acute Tox. 4 (Oral), H302 Skin Sens. 1, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410

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Name	CAS-No.	%	Classification according to the model Work Health and Safety Regulations (WHS Regulations)
N-phenyl-1-naphthylamine	90-30-2	< 1	Acute Tox. 4 (Oral), H302 Skin Sens. 1B, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410

### SECTION 4: First aid measures

#### 4.1. Description of necessary first-aid measures

First-aid measures general	: Remove immediately contaminated clothing. In the event of persistent symptoms receive medical treatment. Move the affected person away from the contaminated area.
First-aid measures after inhalation	: Move to fresh air in case of accidental inhalation of vapours or decomposition products. In the event of persistent symptoms receive medical treatment.
First-aid measures after skin contact	: Gently wash with plenty of soap and water. Get medical advice if skin irritation persists.
First-aid measures after eye contact	: Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Consult an eye specialist immediately.
First-aid measures after ingestion	: Rinse mouth with water, do not induce vomiting, call a doctor. Drink plenty of water. Do not give an unconscious person anything to drink. Call a poison center or a doctor if you feel unwell.

#### 4.2. Symptoms caused by exposure

Symptoms/effects	: May cause drowsiness or dizziness.
Symptoms/effects after inhalation	: Aspiration hazard.
Symptoms/effects after skin contact	: Causes skin irritation. May cause sensitisation of susceptible persons by skin contact.

#### 4.3. Medical attention and special treatment

Treatment	: Treat symptomatically.
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### SECTION 5: Fire-fighting measures

#### 5.1. Extinguishing media

Suitable extinguishing media	: Water spray. Dry powder. Foam. Carbon dioxide.
Unsuitable extinguishing media	: high volume water jet.

#### 5.2. Specific hazards arising from the chemical

General measures	: In case of vapour formation use adequate respirator. Ensure adequate ventilation. Evacuate personnel to a safe area. Use personal protective clothing.
Hazardous decomposition products in case of fire	: In case of fire: dangerous decomposition products are formed. Carbon monoxide. Carbon dioxide. Nitrogen oxides.

#### 5.3. Special protective equipment and precautions for fire-fighters

Protection during firefighting	: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.
Hazchem Code	: * 3YE
Other information	: Cool containers at risk with water spray jet. The vapour/air mixture is explosive, even in empty, uncleaned receptacles. Vapours are heavier than air and may spread along floors. Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.

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### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

General measures : In case of vapour formation use adequate respirator. Ensure adequate ventilation. Evacuate personnel to a safe area. Use personal protective clothing.

##### 6.1.1. For non-emergency personnel

Emergency procedures : Ventilate spillage area.

##### 6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

#### 6.2. Environmental precautions

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

#### 6.3. Methods and materials for containment and cleaning up

For containment : Collect spillage.

Methods for cleaning up : Soak up with inert absorbent material (for example sand, sawdust, a universal binder, silica gel). Shovel or sweep up and put in a closed container for disposal.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

Precautions for safe handling : Use explosion-proof equipment. Take precautionary measures against static discharge. Do not smoke. Keep away from heat and sources of ignition. Vapours are heavier than air and may spread along floors. Use only outdoors or in a well-ventilated area. Keep container tightly closed.

Hygiene measures : Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

#### 7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Ground/bond container and receiving equipment.

Storage conditions : Store in a well-ventilated place. Keep cool. Keep container tightly closed. Store locked up.

Incompatible materials : oxidizing materials.

Information on mixed storage : Keep away from oxidizing agents. Keep away from food, drink and animal feeding stuffs.

### SECTION 8: Exposure controls and personal protection

#### 8.1. Control parameters - exposure standards

##### Zinc oxide (1314-13-2)

##### Australia - Occupational Exposure Limits

Local name	Zinc oxide
OES TWA	10 mg/m <sup>3</sup> dust 5 mg/m <sup>3</sup> fume
OES STEL	10 mg/m <sup>3</sup> fume
Remark (AU)	Dust: (a) This value is for inhalable dust containing no asbestos and < 1% crystalline silica.
Regulatory reference	Workplace exposure standards for airborne contaminants (2022)

#### 8.2. Biological Monitoring

No additional information available

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### 8.3. Engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station.

### 8.4. Individual protection measures, such as personal protective equipment (PPE)

Hand protection : Protective gloves resistant to chemicals made of 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 (EN 166)

Skin and body protection : Solvent-resistant apron. EN 467

Respiratory protection : In case of insufficient ventilation, wear suitable respiratory equipment

Device	Filter type	Condition	Standard
Respiratory protective device with a gas filter	Type A		EN 14387

Environmental exposure controls : Avoid release to the environment.

## SECTION 9: Physical and chemical properties

Physical state : Liquid

Appearance : No data available

Colour : Black

Odour : Hydrocarbon-like

Odour threshold : No data available

pH : No data available

pH solution : No data available

Relative evaporation rate (butylacetate=1) : No data available

Melting point / Freezing point : Melting point: < -50 °C

Boiling point : 60 – 95 °C

Flash point : < -25 °C Naphtha (petroleum)

Auto-ignition temperature : No data available

Flammability (solid, gas) : No data available

Vapour pressure : Vapour pressure: 100 – 200 hPa 20°C

Relative density : No data available

Density : Density: < 1 g/cm<sup>3</sup>

Solubility : immiscible. at 20 °C.

Log Pow : No data available

Viscosity, kinematic : > 20.5 mm<sup>2</sup>/s @ 40 °C

Viscosity, dynamic : < 1200 mPa·s

Explosive properties : Product is not explosive. May form flammable/explosive vapour-air mixture.

Explosive limits : No data available

Minimum ignition energy : No data available

VOC content : < 80 %

Fat solubility : No data available

Additional information : Solvent content < 80%

## SECTION 10: Stability and reactivity

Reactivity : No decomposition if stored and applied as directed.

Chemical stability : Stable under normal conditions.

Possibility of hazardous reactions : Reacts with oxidants.

Conditions to avoid : Vapour/air-mixtures are explosive at intense warming. To avoid thermal decomposition, do not overheat. Heating can release vapours which can be ignited.

Incompatible materials : Oxidizing agent.

Hazardous decomposition products : Carbon monoxide. Carbon dioxide. Nitrogen oxides.

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### SECTION 11: Toxicological information

Acute toxicity (oral) : Not classified  
Acute toxicity (dermal) : Not classified  
Acute toxicity (inhalation) : Not classified

<b>Zinc oxide (1314-13-2)</b>	
LD50 oral rat	> 5000 mg/kg (OECD 401 method)
LD50 dermal rat	> 2000 mg/kg bodyweight (OECD 402 method)
LC50 Inhalation - Rat	> 5.7 mg/l/4h

<b>Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, &lt; 3% normal hexane (64742-49-0)</b>	
LD50 oral rat	> 2000 mg/kg
LD50 dermal rat	> 2000 mg/kg
LC50 Inhalation - Rat	> 20 mg/l/4h

<b>Hydrocarbons, C6, iso, &lt; 3% normal hexane (64742-49-0)</b>	
LD50 oral rat	> 2000 mg/kg
LD50 dermal rat	> 2000 mg/kg
LC50 Inhalation - Rat	> 20 mg/l/4h

<b>N-(1,3-Dimethylbutyl)-N'-phenyl-p-phenylenediamine (793-24-8)</b>	
ATE AU (oral)	500 mg/kg bodyweight

<b>1,3-benzenediol (108-46-3)</b>	
ATE AU (oral)	500 mg/kg bodyweight

<b>N-phenyl-1-naphthylamine (90-30-2)</b>	
ATE AU (oral)	500 mg/kg bodyweight

Skin corrosion/irritation : Causes skin irritation.  
Serious eye damage/irritation : Not classified  
Respiratory or skin sensitisation : Not classified  
Germ cell mutagenicity : Not classified  
Carcinogenicity : Not classified  
Reproductive toxicity : Not classified  
STOT-single exposure : May cause drowsiness or dizziness.  
STOT-repeated exposure : Not classified  
Aspiration hazard : Not classified  
Potential adverse human health effects and symptoms : Contact with the eyes is likely to be irritating. High concentration of vapours may induce: headache, nausea, dizziness. A longer or repeated contact may lead to irritation of eyes and mucous membranes. Repeated or prolonged exposure may cause skin irritation and dermatitis, due to degreasing properties of the product. Lead has cumulative properties, wherefore lead compounds can be health-damaging in the event of long-term or frequent exposure. Following symptoms are resulting from chronic lead uptake: fatigue, headaches, constipation and colic. May cause sensitisation of susceptible persons by skin contact

### SECTION 12: Ecological information

#### 12.1. Ecotoxicity

Ecology - general : Toxic to aquatic life with long lasting effects.  
Hazardous to the aquatic environment, short-term (acute) : Not classified

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Hazardous to the aquatic environment, long-term (chronic) : Toxic to aquatic life with long lasting effects.

Other information : Do not flush into surface water or sewer system.

Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, < 3% normal hexane (64742-49-0)	
LC50 fish 1	1 – 10 mg/l
EC50 Daphnia 1	1 – 10 mg/l
Hydrocarbons, C6, iso, < 3% normal hexane (64742-49-0)	
LC50 fish 1	1 – 10 mg/l
EC50 Daphnia 1	1 – 10 mg/l

### 12.2. Persistence and degradability

Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, < 3% normal hexane (64742-49-0)	
Persistence and degradability	Readily biodegradable.

### 12.3. Bioaccumulative potential

Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, < 3% normal hexane (64742-49-0)	
Bioaccumulative potential	Potentially bioaccumulable.

### 12.4. Mobility in soil

No additional information available

### 12.5. Other adverse effects

Ozone : Not classified  
Other adverse effects : Low hazard to waters.

## SECTION 13: Disposal considerations

Waste treatment methods : Recycling is preferred to disposal or incineration. Can be incinerated according to local regulations. Dispose of contents/container in accordance with licensed collector's sorting instructions.

Product/Packaging disposal recommendations : Packaging that cannot be cleaned should be disposed of like the product. Contaminated packaging should be emptied as far as possible and after appropriate cleansing may be taken for reuse. Empty containers should be taken for local recycling, recovery or waste disposal.

Additional information : Flammable vapours may accumulate in the container.

## SECTION 14: Transport information

In accordance with ADG / IMDG / IATA

ADG	IMDG	IATA
14.1. UN number		
1133	1133	1133
14.2. UN Proper Shipping Name		
ADHESIVES	ADHESIVES (Naphtha (petroleum))	Adhesives
14.3. Transport hazard class(es)		
3	3	3

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ADG	IMDG	IATA
<b>14.4. Packing group</b>		
II - Substances presenting medium danger	II	II
<b>14.5. Environmental hazards</b>		
Dangerous for the environment: Yes	Dangerous for the environment: Yes Marine pollutant: Yes	Dangerous for the environment: Yes

### 14.6. Special precautions for user

Specific storage requirement : No data available  
Shock sensitivity : No data available

### 14.7. Additional information

Other information : No supplementary information available

### Transport by road and rail

UN-No. (ADG) : 1133  
Limited quantities (ADG) : 5I  
Packing instructions (ADG) : P001, IBC02  
Special packing provisions (ADG) : PP1  
Portable tank and bulk container instructions (ADG) : T4  
Portable tank and bulk container special provisions (ADG) : TP1, TP8

### Transport by sea

UN-No. (IMDG) : 1133  
Limited quantities (IMDG) : 5 L  
Excepted quantities (IMDG) : E2  
Packing instructions (IMDG) : P001  
Special packing provisions (IMDG) : PP1  
IBC packing instructions (IMDG) : IBC02  
Tank instructions (IMDG) : T4  
Tank special provisions (IMDG) : TP1, TP8  
EmS-No. (Fire) : F-E - FIRE SCHEDULE Echo - NON-WATER-REACTIVE FLAMMABLE LIQUIDS  
EmS-No. (Spillage) : S-D - SPILLAGE SCHEDULE Delta - FLAMMABLE LIQUIDS  
Stowage category (IMDG) : B

### Air transport

UN-No. (IATA) : 1133  
PCA Excepted quantities (IATA) : E2  
PCA Limited quantities (IATA) : Y341  
PCA limited quantity max net quantity (IATA) : 1L  
PCA packing instructions (IATA) : 353  
PCA max net quantity (IATA) : 5L  
CAO packing instructions (IATA) : 364  
CAO max net quantity (IATA) : 60L  
Special provisions (IATA) : A3  
ERG code (IATA) : 3L

### 14.8. Hazchem or Emergency Action Code

Hazchem Code : \* 3YE



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### SECTION 15: Regulatory information

#### 15.1. Safety, health and environmental regulations specific for the product in question

##### Australian Industrial Chemicals Introduction Scheme (AICIS)

Australian Inventory of Industrial Chemicals (AICIS) : All the chemicals contained in this product are listed introductions Inventory) status

##### Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP)

Relevant Poisons Schedule number : Labelling requirements for SUSMP do not apply to a poison that is packed and sold solely for industrial, laboratory or manufacturing use. However, this product is labelled in accordance with the Safe Work Australia "Code of Practice" for workplace substances.

#### 15.2. International agreements

No additional information available

### SECTION 16: Other information

Revision date : 27/04/2023

Other information : Data of sections 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.

#### Abbreviations and acronyms:

ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
DOT	Department of Transport
TDG	Transportation of Dangerous Goods
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006
GHS	Globally Harmonized System of Classification, Labelling and Packaging of Chemicals
IARC	International Agency for Research on Cancer
vPvB	Very Persistent and Very Bioaccumulative
PBT	Persistent Bioaccumulative Toxic
PNEC	Predicted No-Effect Concentration
CAS	CAS (Chemical Abstracts Service) number
IBC-Code	International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk
ATE	Acute Toxicity Estimate
CLP	Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008
BCF	Bioconcentration factor
MARPOL 73/78	MARPOL 73/78: International Convention for the Prevention of Pollution From Ships
ADG	Transport of Australian Dangerous Goods

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Classification	
Flam. Liq. 2	H225
Skin Irrit. 2	H315
STOT SE 3	H336
Aquatic Chronic 2	H411

Full text of H-statements	
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Acute 1	Hazardous to the aquatic environment – Acute Hazard, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment – Chronic Hazard, Category 1
Aquatic Chronic 2	Hazardous to the aquatic environment – Chronic Hazard, Category 2
Aquatic Chronic 3	Hazardous to the aquatic environment – Chronic Hazard, Category 3
Asp. Tox. 1	Aspiration hazard, Category 1
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Flam. Liq. 2	Flammable liquids, Category 2
Flam. Sol. 2	Flammable solids, Category 2
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1	Skin sensitisation, Category 1
Skin Sens. 1B	Skin sensitisation, category 1B
STOT SE 1	Specific target organ toxicity – single exposure, Category 1
STOT SE 2	Specific target organ toxicity – Single exposure, Category 2
STOT SE 3	Specific target organ toxicity – Single exposure, Category 3, Narcosis
H225	Highly flammable liquid and vapour
H228	Flammable solid
H302	Harmful if swallowed
H304	May be fatal if swallowed and enters airways
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H318	Causes serious eye damage
H336	May cause drowsiness or dizziness
H370	Causes damage to organs
H371	May cause damage to organs
H400	Very toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects
H411	Toxic to aquatic life with long lasting effects
H412	Harmful to aquatic life with long lasting effects

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should therefore not be construed as guaranteeing any specific property of the product.