! SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Name of product RUBBERCLEAN

1.2. Relevant identified uses of the substance or mixture and uses advised against

No information available.

1.3. Details of the supplier of the safety data sheet

Manufacturer/distributor

TPH Bausysteme GmbH
Nordportbogen 8, D-22848 Norderstedt
Phone +49 (0)40 / 52 90 66 78-0, Fax +49 (0)40 / 52 90 66 78-78
E-Mail info@tph-bausysteme.com
Internet www.tph-bausysteme.com

Advice

E-mail (competent person):
sdb-info@tph-bausysteme.com

1.4. Emergency telephone number

Emergency advice

GIZ-Nord
Phone +49 (0)551 / 19240

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [CLP/GHS]

Hazard classes and Hazard categories	Hazard Statements	Classification procedure
Asp. Tox. 1	**H304**	
Aquatic Chronic 4	**H413**	

Hazard statements for health hazards

H304 **May be fatal if swallowed and enters airways.**

Hazard statements for environmental hazards

H413 **May cause long lasting harmful effects to aquatic life.**

Additional hints

This mixture is classified as hazardous according to Regulation (EC) No 1272/2008 [GHS].

2.2. Label elements

Labelling according to Regulation (EC) No 1272/2008 [CLP/GHS]

GHS08

Signal word

Danger

Hazard statements for health hazards
H304 **May be fatal if swallowed and enters airways.**

Hazard statements for environmental hazards
H413 **May cause long lasting harmful effects to aquatic life.**

Precautionary Statements

Prevention
P273 Avoid release to the environment.

Response
P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor.
P331 Do NOT induce vomiting.

Storage
P405 Store locked up.

Disposal
P501 Dispose of contents/container to local waste disposal company.

Hazardous ingredients for labeling
Hydrocarbons, C11-C12, isoalkanes, < 2 % aromatics

Supplemental Hazard information (EU)

Health properties
Repeated exposure may cause skin dryness or cracking.

2.3. Other hazards
No information available.

! SECTION 3: Composition/ information on ingredients

3.1. Substances
not applicable

3.2. Mixtures
Description
Cleaner for injection pumps

! Hazardous ingredients

CAS No	EC No	Name	[% weight]	Classification according to Regulation (EC) No 1272/2008 [CLP/ GHS]
-	918-167-1	Hydrocarbons, C11-C12, isoalkanes, < 2 % aromatics	<= 100	Asp. Tox. 1, H304 / Aquatic Chronic 4, H413 / Flam. Liq. 3, H226

REACH

CAS No	Name	REACH registration number
-	Hydrocarbons, C11-C12, isoalkanes, < 2 % aromatics	01-2119472146-39-xxxx

Labelling for contents according to regulation (EC) No 648/2004, annex VII
30 % and more aliphatic hydrocarbons

SECTION 4: First aid measures

4.1. Description of first aid measures

General information
Remove contaminated soaked clothing immediately.
Take away from danger area and lay down affected person.

In case of inhalation
Ensure of fresh air.
In the event of symptoms refer for medical treatment.

In case of skin contact
In case of contact with skin wash off immediately with soap and water.
Consult a doctor if skin irritation persists.

In case of eye contact
In case of contact with eyes rinse with plenty of water carefully. In the event of persistent symptoms seek medical treatment.

In case of ingestion
Do not induce vomiting.
Call for a doctor immediately.
Rinse out mouth thoroughly with water.

4.2. Most important symptoms and effects, both acute and delayed

Physician's information / possible symptoms
vomiting
Headache
Nausea
Dizziness

4.3. Indication of any immediate medical attention and special treatment needed

Treatment (Advice to doctor)
Treat symptoms.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media
Alcohol-resistant foam
Dry powder
Carbon dioxide
Water spray jet

Unsuitable extinguishing media
Full water jet

5.2. Special hazards arising from the substance or mixture

In the event of fire the following can be released:
Carbon monoxide (CO)
Carbon dioxide (CO2)

5.3. Advice for firefighters

Special protective equipment for fire-fighters
Use breathing apparatus with independent air supply.
Wear full protective clothing.

Additional information
Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.
Collect contaminated firefighting water separately, must not be discharged into the drains.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures
For non-emergency personnel
Ensure adequate ventilation.
Keep people away and stay on the upwind side.
Use personal protective clothing.

6.2. Environmental precautions
Do not discharge into the drains or bodies of water..
Do not discharge into the subsoil/soil.

6.3. Methods and material for containment and cleaning up
Take up with absorbent material (e.g. general-purpose binder).
After taking up the material dispose according to regulation.

Additional Information
Informations for disposal see chapter 13.

6.4. Reference to other sections
No information available.

SECTION 7: Handling and storage

7.1. Precautions for safe handling
Advice on safe handling
Avoid formation of aerosols.
Provide good room ventilation even at ground level (vapours are heavier than air).

General protective measures
Do not inhale gases/vapours/aerosols.

Hygiene measures
At work do not eat, drink and smoke.
Remove soiled or soaked clothing immediately.
Work in rooms with good ventilation.
Keep separated from food and feed.
Wash hands before breaks and after work.

Advice on protection against fire and explosion
Keep away from sources of ignition - No smoking
The product is combustible.
Vapours can form an explosive mixture with air.
Take precautionary measures against static discharges.

7.2. Conditions for safe storage, including any incompatibilities
Requirements for storage rooms and vessels
Keep in closed original container.
Prevent penetration into the ground.

Advice on storage compatibility
Do not store together with oxidizing agents.

Further information on storage conditions
Keep container dry and store at cool and aired place.

Storage group 10

7.3. Specific end use(s)
No information available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.2. Exposure controls
Respiratory protection
In case of insufficient ventilation or long-term effect use breathing apparatus.
Short term: filter apparatus, combination filter A-P2

Hand protection
Synthetic rubber gloves

Eye protection
tightly fitting goggles

Other protection measures
protective clothing

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	**Colour**	**Odour**
liquid	colourless	characteristic

Odour threshold
not determined

Important health, safety and environmental information

	Value	Temperature	at	Method	Remark
pH value	not applicable				
Acid number	not applicable				
boiling range	184 - 205 °C				
solidifying temperature	-20 °C				
Flash point	61 °C			DIN 51755	
Vapourisation rate	ca. 115				
Flammable (solid)	not applicable				
Flammability (gas)	not applicable				

	Value	Temperature	at	Method	Remark
Ignition temperature	No data available				
Self ignition temperature	> 200 °C				
Lower explosion limit	0,5 Vol-%				
Upper explosion limit	6 Vol-%				
Vapour pressure	1 hPa	20 °C			
Relative density	ca. 0,76 g/cm3	20 °C		DIN EN ISO 2811-1	
Bulk density	not applicable				
Vapour density	No data available				
Solubility in water		20 °C			more or less insoluble
Solubility/other			not determined		
Partition coefficient n-octanol/water (log P O/W)	No data available				
Decomposition temperature	No data available				
Viscosity dynamic	ca. 2,5 mPa*s	20 °C		DIN EN ISO 2555	
Viscosity kinematic	1,9 mm2/s	20 °C			
Solvent separation test	not determined				
Solvent content	100 %				
Water content	not determined				
Solids content	not applicable				
Combustion value	not determined				

Oxidising properties
not applicable

Explosive properties
no

9.2. Other information
Vapours are heavier than air.

SECTION 10: Stability and reactivity

10.1. Reactivity
No information available.

10.2. Chemical stability
No information available.

10.3. Possibility of hazardous reactions
No information available.

10.4. Conditions to avoid
No information available.

10.5. Incompatible materials
Substances to avoid
Reactions with oxidising agents.

10.6. Hazardous decomposition products
Carbon monoxide and carbon dioxide.

Thermal decomposition

Remark No decomposition if used as directed.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity/Irritation/Sensitization

	Value/Validation	Species	Method	Remark
LD50 acute oral	> 5000 mg/kg	rat	OECD 401	
LD50 acute dermal	> 5000 mg/kg	rabbit	OECD 402	
LC50 acute inhalation	No data available			
Skin irritation	low irritant effect			
Eye irritation	low irritant			
Skin sensitization	non-sensitizing			
Sensitization respiratory system	non-sensitizing			

Subacute Toxicity - Carcinogenicity

	Value	Species	Method	Validation

	Value	Species	Method	Validation
Subacute Toxicity	not determined			
Subchronic Toxicity	not determined			
Chronic Toxicity	not determined			
Mutagenicity				No experimental information on genotoxicity in vitro available.
Reproduction-Toxicity				No indications of toxic effects were observed in reproduction studies in animals.
Carcinogenicity				No indications of carcinogenic effects are available from long-term trials.

Specific target organ toxicity (single exposure)
No indications of critical properties.

Specific target organ toxicity (repeated exposure)
No indications of critical properties.

Aspiration hazard
May be fatal if swallowed and enters airways.

Experiences made from practice
Frequent contact specially if dried out may cause skin and eye irritations.

Additional information
The declarations of toxicology refer to main component.

SECTION 12: Ecological information

12.1. Toxicity

Ecotoxicological effects

	Value	Species	Method	Validation
Fish	LL0 1000 mg/l (96 h)	Oncorhynchus mykiss		
Daphnia	EL0 1000 mg/l (48 h)	Daphnia magna		
Algae	EL0 1000 mg/l (72 h)	Pseudokirchneriella subcapitata		
Bacteria	No data available			

12.2. Persistence and degradability

	Elimination rate	Method of analysis	Method	Validation

	Elimination rate	Method of analysis	Method	Validation
Physico-chemical degradability	not determined			
Biological degradability	31,3 % (28 d)		OECD 301 F	potentially biodegradable
Degradability	not determined			
Biological eliminability	not determined			
Degradability according to WRMG	not determined			

12.3. Bioaccumulative potential
The product has not been tested. Because of the product's consistency and low solubility in water bioavailability is not likely.

12.4. Mobility in soil
No data available

12.5. Results of PBT and vPvB assessment
No information available.

12.6. Other adverse effects
No information available.

Behaviour in sewage plant
not determined

Respiration inhibition of activated sluge

	Value	Method	Remark
EC 50	not determined		

Additional ecological information

	Value	Method	Remark
OC	not determined		
COD	not determined		
BOD	not determined		
AOX	No data available		

Contains following heavy metals and compounds of the 76/464/EWG
no

General regulation
Product is not allowed to be discharged into the ground water or aquatic environment.
Product is not allowed to be discharged into aquatic environment, drains or sewage treatment plants.
The information to ecology refers to main component.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste code No.	Name of waste
16 03 05*	organic wastes containing hazardous substances

Wastes marked with an asterisk are considered to be hazardous waste pursuant to Directive 2008/98/EC on hazardous waste.

Recommendations for the product
Remove in accordance with local official regulations.

Recommendations for packaging
Contaminated packaging should be emptied as far as possible and after appropriate cleansing may be taken fot reuse.
Packaging that cannot be cleaned should be disposed of like the product.

SECTION 14: Transport information

	ADR/RID	IMDG	IATA-DGR
14.1. UN number	-	-	-
14.2. UN proper shipping name	-	-	-
14.3. Transport hazard class(es)	-	-	-
14.4. Packing group	-	-	-
14.5. Environmental hazards	-	-	-

14.6. Special precautions for user
No information available.

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code
No information available.

Land and inland navigation transport ADR/RID
No dangerous goods as defined by these transport regulations.

Marine transport IMDG
No dangerous goods as defined by these transport regulations.

Air transport ICAO/IATA-DGR
No dangerous goods as defined by these transport regulations.

Transport/further information
No dangerous goods as defined by the transport regulations - ADR/RID, IMDG, ICAO/IATA-DGR.

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

VOC standard

VOC content 100 %

National regulations

Other regulations, restrictions and prohibition regulations
ZH 1/118 "Working with health hazard substances (for the workers) (M 050)"
ZH 1/319 "Data Sheet: Solvents (M 017)"
ZH 1/425 "Cold cleaner - Data sheet"

Water hazard class 1 Mixture-WGK

Decree for case of interference/remarks Accident decree, addendum II: not named.

15.2. Chemical Safety Assessment

No information available.

SECTION 16: Other information

Recommended uses and restrictions
National and local regulations concerning chemicals shall be observed.

Further information
The information contained herein is based on the state of our knowledge. It characterizes the product with regard to the appropriate safety precautions. It does not represent a guarantee of the properties of the product.

Indication of changes: "!" = Data changed compared with the previous version. Previous version: 4.0

H226 Flammable liquid and vapour.
H304 May be fatal if swallowed and enters airways.
H413 May cause long lasting harmful effects to aquatic life.