

Safety Data Sheet

according to Regulation (EC) No 1907/2006



WELDANO TURGA

Revision date: 25.02.2019

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

1.1. Product identifier

WELDANO TURGA

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

Use of the substance/mixture

Welding liquid
Reserved for industrial and professional use.

Uses advised against

none

1.3. Details of the supplier of the safety data sheet

Company name:	MOLL bauökologische Produkte GmbH	
	proclima	
Street:	Rheintalstraße 35 - 43	
Place:	D-68723 Schwetzingen	
Telephone:	+49 (0) 6202 2782-0	Telefax: +49 (0) 6202 2782-21
e-mail:	info@proclima.de	
e-mail (Contact person):	info@proclima.de	
Internet:	http://www.proclima.de	
Responsible Department:	info@proclima.de	

1.4. Emergency telephone

+44 (171) 635 91 91
+49(0) 551 - 1 92 40 (GIZ-Nord, 24h)

number:

Further Information

for professional use only

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Regulation (EC) No. 1272/2008

Hazard categories:
Flammable liquid: Flam. Liq. 2
Acute toxicity: Acute Tox. 4
Serious eye damage/eye irritation: Eye Irrit. 2
Carcinogenicity: Carc. 2
Specific target organ toxicity - single exposure: STOT SE 3
Specific target organ toxicity - single exposure: STOT SE 3
Hazard Statements:
Highly flammable liquid and vapour.
Harmful if swallowed.
Causes serious eye irritation.
Suspected of causing cancer.
May cause respiratory irritation.
May cause drowsiness or dizziness.

2.2. Label elements

Regulation (EC) No. 1272/2008

Hazard components for labelling

Tetrahydrofuran

Signal word: Danger

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Pictograms:



Hazard statements

H225	Highly flammable liquid and vapour.
H302	Harmful if swallowed.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H351	Suspected of causing cancer.

Precautionary statements

P201	Obtain special instructions before use.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233	Keep container tightly closed.
P261	Do not breathe gas/vapour/aerosol.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.
P308+P311	IF exposed or concerned: Call a POISON CENTER/doctor.
P337+P313	If eye irritation persists: Get medical advice/attention.
P403+P235	Store in a well-ventilated place. Keep cool.
P501	Dispose of contents/container to an appropriate recycling or disposal facility.

Special labelling of certain mixtures

EUH019	May form explosive peroxides.
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2.3. Other hazards

Vapours are heavier than air, spread along floors and form explosive mixtures with air. Ignition hazard

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Hazardous components

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	GHS Classification			
109-99-9	Tetrahydrofuran			50-100 %
	203-726-8		01-2119444314-46	
	Flam. Liq. 2, Carc. 2, Acute Tox. 4, Eye Irrit. 2, STOT SE 3, STOT SE 3; H225 H351 H302 H319 H335 H336			
108-94-1	cyclohexanone			2,5-10 %
	203-631-1	606-010-00-7	01-2119453616-35	
	Flam. Liq. 3, Acute Tox. 4; H226 H332			

Full text of H and EUH statements: see section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

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General information

First aider: Pay attention to self-protection! Wear personal protection equipment (refer to section 8).
In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

After inhalation

Remove affected person from the danger area and lay down.
Remove casualty to fresh air and keep warm and at rest.
Provide fresh air. Call a doctor.
Where appropriate artificial ventilation.
If unconscious place in recovery position and seek medical advice.
If breathing is irregular or stopped, administer artificial respiration.
Regulation of the blood circulation, possible shock treatment.

After contact with skin

Take off immediately all contaminated clothing.
Wash contaminated clothing prior to re-use.
Wash with plenty of soap and water.
Self-protection of the first aider: Avoid contact with skin, eyes and clothes.
In case of skin irritation, consult a physician.

After contact with eyes

Rinse immediately carefully and thoroughly with eye-bath or water.
Remove contact lenses, if present and easy to do. Continue rinsing.
In case of eye irritation consult an ophthalmologist.

After ingestion

If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention. Let water be drunken in little sips (dilution effect).
Do NOT induce vomiting.
Call a physician immediately.
Aspiration hazard - Pneumonia

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

After eye contact: Causes eye irritation.
Following inhalation: Irritation to respiratory tract, Cough, Headache, Dizziness, Inebriation,
Depression of central nervous system
In case of ingestion: Gastrointestinal complaints

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

First Aid, decontamination, treatment of symptoms.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Carbon dioxide (CO₂).
Extinguishing powder
Water mist
alcohol resistant foam
B (Fires of liquids or liquid turning substances).

Unsuitable extinguishing media

Full water jet

5.2. Special hazards arising from the substance or mixture

In case of fire may be liberated: Carbon dioxide, Carbon monoxide
Heating causes rise in pressure with risk of bursting.
Vapours are heavier than air, spread along floors and form explosive mixtures with air.

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5.3. Advice for firefighters

Special protective equipment for firefighters Protective clothing. Full protection suit
In case of fire: Wear self-contained breathing apparatus.
Use water spray jet to protect personnel and to cool endangered containers.

Additional information

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.
Dispose of waste according to applicable legislation.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Wear personal protection equipment (refer to section 8).
See protective measures under point 7 and 8.
Remove persons to safety.
Keep away from sources of ignition - No smoking.
Use only antistatically equipped (spark-free) tools.
Avoid contact with skin, eyes and clothes.
Do not breathe gas/vapour/aerosol.

6.2. Environmental precautions

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil.
Prevent spread over a wide area (e.g. by containment or oil barriers).
In case of entry into waterways, soil or drains, inform the responsible authorities.

6.3. Methods and material for containment and cleaning up

Stop leak if safe to do so.
Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Collect in closed and suitable containers for disposal.
Disposal: see section 13

For cleaning up: Water (with cleaning agent)
Provide fresh air.

6.4. Reference to other sections

See protective measures under point 7 and 8. Disposal: see section 13

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

See section 8.
Wear personal protection equipment (refer to section 8).
Keep container tightly closed.
Do not breathe gas/fumes/vapour/spray.
Room air monitoring
Keep away from sources of ignition - No smoking.
When using do not eat, drink, smoke, sniff.
Avoid contact with skin, eyes and clothes.

Advice on protection against fire and explosion

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
Take action to prevent static discharges.
Use explosion-proof machinery, apparatus, ventilation facilities, tools etc.
Use only antistatically equipped (spark-free) tools.
Vapours can form explosive mixtures with air.
Ground and bond container and receiving equipment.
Potential hazards: Peroxides

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Further information on handling

General health and safety measures:

Wash hands before breaks and after work.

Keep away from food, drink and animal feedingstuffs.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Only allow access to authorised staff.

Keep container tightly closed in a cool, well-ventilated place. Store in a dry place.

Handle and open container with care.

Ground and bond container and receiving equipment.

Keep/Store only in original container.

Suitable container/equipment material: Steel

Ensure adequate ventilation of the storage area.

Hints on joint storage

Keep away from food, drink and animal feedingstuffs.

Further information on storage conditions

Keep away from: Oxidising agent

Keep away from sources of heat (e.g. hot surfaces), sparks and open flames.

storage temperature 15-25 °C

Protect from sunlight.

7.3. Specific end use(s)

No information available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limits (EH40)

CAS No	Substance	ppm	mg/m ³	fibres/ml	Category	Origin
108-94-1	Cyclohexanone	10	41		TWA (8 h)	WEL
		20	82		STEL (15 min)	WEL
109-99-9	Tetrahydrofuran	50	150		TWA (8 h)	WEL
		100	300		STEL (15 min)	WEL

Biological Monitoring Guidance Values (EH40)

CAS No	Substance	Parameter	Value	Test material	Sampling time
108-94-1	Cyclohexanone	cyclohexanol (creatinine)	2 mmol/mol	urine	Post shift

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DNEL/DMEL values

CAS No	Substance			
DNEL type		Exposure route	Effect	Value
109-99-9	Tetrahydrofuran			
Consumer DNEL, long-term		inhalation	systemic	13 mg/m ³
Consumer DNEL, acute		inhalation	systemic	52 mg/m ³
Consumer DNEL, long-term		inhalation	local	75 mg/m ³
Consumer DNEL, acute		inhalation	local	150 mg/m ³
Consumer DNEL, long-term		dermal	systemic	1,5 mg/kg bw/day
Consumer DNEL, long-term		oral	systemic	1,5 mg/kg bw/day
Worker DNEL, long-term		inhalation	systemic	72,4 mg/m ³
Worker DNEL, acute		inhalation	systemic	96 mg/m ³
Worker DNEL, long-term		inhalation	local	150 mg/m ³
Worker DNEL, acute		inhalation	local	300 mg/m ³
Worker DNEL, long-term		dermal	systemic	12,6 mg/kg bw/day
108-94-1	cyclohexanone			
Consumer DNEL, acute		inhalation	systemic	20 mg/m ³
Worker DNEL, long-term		inhalation	systemic	40 mg/m ³
Worker DNEL, acute		inhalation	systemic	80 mg/m ³
Worker DNEL, long-term		inhalation	local	40 mg/m ³
Worker DNEL, acute		inhalation	local	80 mg/m ³
Worker DNEL, long-term		dermal	systemic	4 mg/kg bw/day
Worker DNEL, acute		dermal	systemic	4 mg/kg bw/day
Consumer DNEL, long-term		inhalation	systemic	10 mg/m ³
Consumer DNEL, long-term		inhalation	local	20 mg/m ³
Consumer DNEL, acute		inhalation	local	50 mg/m ³
Consumer DNEL, long-term		dermal	systemic	1 mg/kg bw/day
Consumer DNEL, acute		dermal	systemic	1 mg/kg bw/day
Consumer DNEL, long-term		oral	systemic	1,5 mg/kg bw/day
Consumer DNEL, acute		oral	systemic	1,5 mg/kg bw/day

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PNEC values

CAS No	Substance	
Environmental compartment		Value
109-99-9	Tetrahydrofuran	
Freshwater		4,32 mg/l
Freshwater (intermittent releases)		21,6 mg/l
Marine water		0,432 mg/l
Freshwater sediment		23,3 mg/kg
Marine sediment		2,33 mg/kg
Secondary poisoning		67 mg/kg
Micro-organisms in sewage treatment plants (STP)		4,6 mg/l
Soil		2,13 mg/kg
108-94-1	cyclohexanone	
Freshwater		0,033 mg/l
Freshwater (intermittent releases)		0,329 mg/l
Marine water		0,003 mg/l
Freshwater sediment		0,249 mg/kg
Marine sediment		0,025 mg/kg
Micro-organisms in sewage treatment plants (STP)		10 mg/l
Soil		0,03 mg/kg

8.2. Exposure controls

Appropriate engineering controls

- Provide adequate ventilation as well as local exhaust at critical locations.
- Use explosion-proof [electrical/ventilating/lighting/] equipment.
- Reference to other sections :7
- Make available sufficient washing facilities
- Carry out filling operations only at stations with exhaust ventilation facilities.

Protective and hygiene measures

- Work in well-ventilated zones or use proper respiratory protection.
- Only wear fitting, comfortable and clean protective clothing.
- Avoid contact with skin, eyes and clothes.
- Wash hands and face before breaks and after work and take a shower if necessary .
- Wash hands thoroughly after handling.
- Take off contaminated clothing and wash it before reuse .
- When using do not eat, drink, smoke, sniff.
- Before starting work, apply solvent-resistant skincare preparations.

Eye/face protection

- Face protection shield
- goggles (Tightly sealed safety glasses.)
- Eye glasses with side protection

Hand protection

- Suitable gloves type: DIN EN 374
- Butyl caoutchouc (butyl rubber)
- Unsuitable material: PVC (polyvinyl chloride), CR (polychloroprene, chloroprene rubber), NR (natural rubber, natural latex)
- Thickness of the glove material >0,6 mm (Butyl caoutchouc (butyl rubber))
- Breakthrough time (maximum wearing time) >480 min
- Breakthrough times and swelling properties of the material must be taken into consideration.

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The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

Check leak tightness/impermeability prior to use.

Skin protection

Wear anti-static footwear and clothing

Wear suitable protective clothing.

Respiratory protection

If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn.

The filter class must be suitable for the maximum contaminant concentration (gas/vapour/aerosol/particulates) that may arise when handling the product. If the concentration is exceeded, self-contained breathing apparatus must be used. Suitable respiratory protection apparatus:

Observe the wear time limits according to GefStoffV in combination with the rules for using respiratory protection apparatus (BGR 190).

Suitable respiratory protection apparatus: type A - Colour brown Concentration air > Occupational exposure limit values

Environmental exposure controls

No information available.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state:	Liquid
Colour:	colourless
Odour:	characteristic

Test method

pH-Value:	not determined
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Changes in the physical state

Melting point:	-50 °C
Initial boiling point and boiling range:	65 °C
Sublimation point:	not determined
Softening point:	not determined
Pour point:	not determined
Flash point:	0 °C
Sustaining combustion:	No data available

Flammability

Solid:	not applicable
Gas:	not applicable

Explosive properties

not explosive according to EU A.14 In use, may form flammable/explosive vapour-air mixture.

Lower explosion limits:	1,1 vol. %
Upper explosion limits:	12 vol. %
Ignition temperature:	230 °C

Auto-ignition temperature

Solid:	not determined
Gas:	not determined
Decomposition temperature:	not determined

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Oxidizing properties

The product is not: Spontaneously flammable.

Vapour pressure:	173 hPa
Vapour pressure:	not determined
Density:	0,88 g/cm ³
Bulk density:	not determined
Water solubility:	partially soluble

Solubility in other solvents

No information available.

Partition coefficient:	not determined
Viscosity / dynamic:	not determined
Viscosity / kinematic: (at 40 °C)	not determined
Vapour density:	not determined
Evaporation rate:	not determined
Solvent content:	100%

9.2. Other information

Solid content:	not determined
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No information available.

SECTION 10: Stability and reactivity

10.1. Reactivity

Ignition hazard, Vapours are heavier than air, spread along floors and form explosive mixtures with air.

10.2. Chemical stability

No information available.

10.3. Possibility of hazardous reactions

In use, may form flammable/explosive vapour-air mixture.
Violent reaction with: Oxidizing agent
Formation of: Peroxides

10.4. Conditions to avoid

Safe handling: see section 7
Keep away from sources of heat (e.g. hot surfaces), sparks and open flames.
Use only antistatically equipped (spark-free) tools.
Use explosion-proof [electrical/ventilating/lighting/] equipment.
Keep away from sources of ignition - No smoking.
Keep away from heat.

10.5. Incompatible materials

Oxidizing agent

10.6. Hazardous decomposition products

Hazardous combustion products: Carbon dioxide, Carbon monoxide

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity

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

cyclohexanone:

List substance (Regulation (EC) No. 1272/2008, Annex VI, part 3), no classification Acute toxicity (oral)

Experimental data = Acute Toxicity, Category 4 oral

ATEmix calculated

ATE (oral) 1833,3 mg/kg

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
109-99-9	Tetrahydrofuran				
	oral	LD50 1650 mg/kg	Rat	Study report (1978)	Conducted according to a published proce
	dermal	LD50 > 2000 mg/kg	Rat	Study report (2009)	OECD Guideline 402
	inhalation (4 h) vapour	LC50 60 mg/l	Rat	literature infomation	
108-94-1	cyclohexanone				
	oral	LD50 1620 mg/kg	Rat	American Ind. Hyg. Ass. J. 30, 470 - 476	The test substance is introduced in to t
	inhalation (4 h) vapour	LC50 > 6,2 mg/l	Rat	Study report (1979)	BASF-internal standards; estimation of t
	inhalation aerosol	ATE 1,5 mg/l			

Irritation and corrosivity

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

Sensitising effects

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

Carcinogenic/mutagenic/toxic effects for reproduction

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

STOT-single exposure

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

STOT-repeated exposure

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

Aspiration hazard

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

Further information

The product has not been tested.

SECTION 12: Ecological information

12.1. Toxicity

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

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CAS No	Chemical name					
	Aquatic toxicity	Dose	[h] [d]	Species	Source	Method
109-99-9	Tetrahydrofuran					
	Acute fish toxicity	LC50 2160 mg/l	96 h	Pimephales promelas	Center for Lake Superior Environmental S	OECD Guideline 203
	Fish toxicity	NOEC 216 mg/l	33 d	Pimephales promelas	Environmental toxicology and chemistry 4	Effect on hatching rate, survival and gr
108-94-1	cyclohexanone					
	Acute fish toxicity	LC50 527 - 732 mg/l	96 h	Pimephales promelas	Center for Lake Superior Environmental S	Test method of the U.S. EPA Committee on
	Acute algae toxicity	ErC50 > 100 mg/l	72 h	Desmodemus subspicatus	REACH Registration Dossier	OECD Guideline 201
	Acute crustacea toxicity	EC50 > 100 mg/l	48 h	Daphnia magna	REACH Registration Dossier	OECD Guideline 202
	Acute bacteria toxicity	(> 1000 mg/l)	0,5 h	activated sludge, domestic	J WPCF 60(10): 1850-1856. (1988)	OECD Guideline 209

12.2. Persistence and degradability

Some of the components are poorly biodegradable.

CAS No	Chemical name			
	Method	Value	d	Source
	Evaluation			
109-99-9	Tetrahydrofuran			
	OECD 301D	39%	28	
	Evidence for inherent biodegradability.			

12.3. Bioaccumulative potential

No indication of bioaccumulation potential.

Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
109-99-9	Tetrahydrofuran	0,45
108-94-1	cyclohexanone	0,86

12.4. Mobility in soil

Tetrahydrofuran
log Koc 1,26-1,37
cyclohexanone
log Koc 1,18

12.5. Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

12.6. Other adverse effects

No information available.

Further information

slightly hazardous to water (WGK 1)

SECTION 13: Disposal considerations

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13.1. Waste treatment methods

Advice on disposal

Dispose of waste according to applicable legislation.

The allocation of waste identity numbers/waste descriptions must be carried out according to the EEC, specific to the industry and process.
hazardous waste

Waste disposal number of waste from residues/unused products

070304 WASTES FROM ORGANIC CHEMICAL PROCESSES; wastes from the MFSU of organic dyes and pigments (except 06 11); other organic solvents, washing liquids and mother liquors; hazardous waste

Waste disposal number of contaminated packaging

150110 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); packaging containing residues of or contaminated by hazardous substances; hazardous waste

Contaminated packaging

Completely emptied packages can be recycled.
Dispose of waste according to applicable legislation.

For cleaning up Water (with cleaning agent)

SECTION 14: Transport information

Land transport (ADR/RID)

14.1. UN number:	UN 2056
14.2. UN proper shipping name:	TETRAHYDROFURAN
14.3. Transport hazard class(es):	3
14.4. Packing group:	II
Hazard label:	3
Classification code:	F1
Limited quantity:	1 L
Excepted quantity:	E2
Transport category:	2
Hazard No:	33
Tunnel restriction code:	D/E

Inland waterways transport (ADN)

14.1. UN number:	UN 2056
14.2. UN proper shipping name:	TETRAHYDROFURAN
14.3. Transport hazard class(es):	3
14.4. Packing group:	II
Hazard label:	3
Classification code:	F1
Limited quantity:	1 L
Excepted quantity:	E2

Marine transport (IMDG)

14.1. UN number:	UN 2056
14.2. UN proper shipping name:	TETRAHYDROFURAN
14.3. Transport hazard class(es):	3
14.4. Packing group:	II
Hazard label:	3

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Special Provisions: -
Limited quantity: 1 L
Excepted quantity: E2
EmS: F-E, S-D

Air transport (ICAO-TI/IATA-DGR)

14.1. UN number: UN 2056
14.2. UN proper shipping name: TETRAHYDROFURAN
14.3. Transport hazard class(es): 3
14.4. Packing group: II
Hazard label: 3
Limited quantity Passenger: 1 L
Passenger LQ: Y341
Excepted quantity: E2
IATA-packing instructions - Passenger: 353
IATA-max. quantity - Passenger: 5 L
IATA-packing instructions - Cargo: 364
IATA-max. quantity - Cargo: 60 L

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: no

14.6. Special precautions for user

No information available.

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

No information available.

SECTION 15: Regulatory information

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

EU regulatory information

Restrictions on use (REACH, annex XVII):

Entry 3: cyclohexanone

2010/75/EU (VOC): 100 % (880 g/l)
Information according to 2012/18/EU (SEVESO III): P5c FLAMMABLE LIQUIDS

National regulatory information

Employment restrictions: Observe restrictions to employment for juvenils according to the 'juvenile work protection guideline' (94/33/EC).
Water contaminating class (D): 1 - slightly water contaminating

15.2. Chemical safety assessment

For the following substances of this mixture a chemical safety assessment has been carried out:
Tetrahydrofuran
cyclohexanone

SECTION 16: Other information

Abbreviations and acronyms

ADR: Accord européen sur le transport des marchandises dangereuses par Route
(European Agreement concerning the International Carriage of Dangerous Goods by Road)
RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer
(Regulations Concerning the International Transport of Dangerous Goods by Rail)
IMDG: International Maritime Code for Dangerous Goods

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IATA: International Air Transport Association
IATA-DGR: Dangerous Goods Refulations by the "International Air Transport Association" (IATA)
ICAO: International Civil Aviation Organization
ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)
CAS: Chemical Abstracts Service (division of the American Chemical Society)
GHS: Globally Harmonized System of Classification and Labelling of Chemicals
CLP: Regulation on Classification, Labelling and Packaging of Substances and Mixtures,
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
EC50: Effectice concentration, 50 percent
DNEL: Derived No Effect Level
PNEC: Predicted No Effect Concentration
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative

Classification for mixtures and used evaluation method according to Regulation (EC) No. 1272/2008 [CLP]

Classification	Classification procedure
Flam. Liq. 2; H225	On basis of test data
Acute Tox. 4; H302	Calculation method
Eye Irrit. 2; H319	Calculation method
Carc. 2; H351	Calculation method
STOT SE 3; H335	Calculation method
STOT SE 3; H336	Calculation method

Relevant H and EUH statements (number and full text)

H225 Highly flammable liquid and vapour.
H226 Flammable liquid and vapour.
H302 Harmful if swallowed.
H319 Causes serious eye irritation.
H332 Harmful if inhaled.
H335 May cause respiratory irritation.
H336 May cause drowsiness or dizziness.
H351 Suspected of causing cancer.

Further Information

The information is based on present level of our knowledge. It does not, however, give assurances of product properties and establishes no contract legal rights. The receiver of our product is singularly responsible for adhering to existing laws and regulations.

Identified uses

No	Short title	SU main	SU	PC	PROC	ERC	AC	Specification
1	Beschichtung	-	-	-	-	-	-	2

SU main: Main user groups

PC: Product categories

ERC: Environmental release categories

SU: Sectors of use

PROC: Process categories

AC: Article categories

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