Telefax: ++49(0)7041-963429



Safety Data Sheet

according to Regulation (EC) No 1907/2006

Urethane red

Revision date: 10.10.2017 Product code: 165 Page 1 of 8

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

1.1. Product identifier

Urethane red

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

Uses advised against

Reserved for industrial and professional use.

1.3. Details of the supplier of the safety data sheet

Company name: ITW LLC & Co. KG
Street: Mühlackerstrasse 149
Place: D-75417 Mühlacker
Telephone: ++49(0)7041-96340

e-mail: info@itwcp.de

Internet: www.itwcp.de
Responsible Department: Produktsicherheit

1.4. Emergency telephone ++49(0)7041-96340

<u>number:</u> Mo. - Do. 8.00 - 16.30 Fr. 8.00 - 14.00

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Regulation (EC) No. 1272/2008

Hazard categories: Aerosol: Aerosol 1

Specific target organ toxicity - single exposure: STOT SE 3
Specific target organ toxicity - repeated exposure: STOT RE 1
Hazardous to the aquatic environment: Aquatic Acute 1
Hazardous to the aquatic environment: Aquatic Chronic 2

Hazard Statements:

Extremely flammable aerosol.

Pressurised container: May burst if heated. May cause drowsiness or dizziness.

Causes damage to organs through prolonged or repeated exposure.

Very toxic to aquatic life.

Toxic to aquatic life with long lasting effects.

2.2. Label elements

Regulation (EC) No. 1272/2008

Hazard components for labelling

Kohlenwasserstoffe, C9-C12, n-Alkane, Isoalkane, Cyclene, Aromaten, Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatic

Signal word: Danger

Pictograms:









Hazard statements

H222 Extremely flammable aerosol.

H229 Pressurised container: May burst if heated.
H336 May cause drowsiness or dizziness.

H372 Causes damage to organs (Leber) through prolonged or repeated exposure.



according to Regulation (EC) No 1907/2006

Urethane red

Revision date: 10.10.2017 Product code: 165 Page 2 of 8

Precautionary statements

P403+P233 Store in a well-ventilated place. Keep container tightly closed.

P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F. P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P312 Call a doctor if you feel unwell.

P271 Use only outdoors or in a well-ventilated area.
P264 Wash hands thoroughly after handling.

P260 Do not breathe dust/fume/gas/mist/vapours/spray.

P251 Do not pierce or burn, even after use.

Special labelling of certain mixtures

EUH066 Repeated exposure may cause skin dryness or cracking.

Pressurized container. Protect from sunlight and do not expose to temperatures exceeding

50 °C. Do not pierce or burn, even after use.

Do not spray on a naked flame or any incandescent material. Keep away from sources of

ignition - No smoking. Keep out of the reach of children.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Hazardous components

CAS No	Chemical name	Quantity		
	EC No	Index No	REACH No	
	Classification according to Regula	tion (EC) No. 1272/2008 [CLP]	•	
106-97-8	butane	22-40 %		
	203-448-7	601-004-00-0		
	Flam. Gas 1; H220	•		
74-98-6	propane			7-30 %
	200-827-9	601-003-00-5		
	Flam. Gas 1; H220			
	Hydrocarbons, C9-C12, n-alkanes		20-26 %	
	919-446-0		01-2119458049-33	
	Flam. Liq. 3, STOT SE 3, STOT R H336 H372 H304 H400 H411			
78-93-3	butanone; ethyl methyl ketone	0-10 %		
	201-159-0	606-002-00-3		
	Flam. Liq. 2, Eye Irrit. 2, STOT SE	3; H225 H319 H336 EUH066	•	
90989-38-1	Aromatic hydrocarbons, C8 (Xyler	0-10 %		
	292-694-9		01-2119486136-34	
	Flam. Liq. 3, Acute Tox. 4, Acute 1			

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

SECTION 4: First aid measures

4.1. Description of first aid measures

After inhalation

Provide fresh air.

After contact with skin

After contact with skin, wash immediately with: Water. Change contaminated clothing.



ITW LLC & Co. KG

according to Regulation (EC) No 1907/2006

Urethane red

Revision date: 10.10.2017 Product code: 165 Page 3 of 8

After contact with eyes

Rinse immediately carefully and thoroughly with eve-bath or water.

After ingestion

If swallowed, immediately drink: Water.

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

No data available

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

No data available

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Carbon dioxide (CO2). Foam. Extinguishing powder.

Unsuitable extinguishing media

Water with tenside additive. Water.

5.2. Special hazards arising from the substance or mixture

Combustible. Vapours may form explosive mixtures with air. Heating causes rise in pressure with risk of bursting.

5.3. Advice for firefighters

In case of fire: Wear self-contained breathing apparatus.

Additional information

Use water spray jet to protect personnel and to cool endangered containers.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Remove all sources of ignition.

6.2. Environmental precautions

Do not allow to enter into surface water or drains. Explosion hazard.

6.3. Methods and material for containment and cleaning up

Ventilate affected area.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

If handled uncovered, arrangements with local exhaust ventilation have to be used. Do not breathe gas/fumes/vapour/spray.

Advice on protection against fire and explosion

Keep away from sources of ignition - No smoking.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep container tightly closed. Keep in a cool, well-ventilated place. Keep away from sources of ignition - No smoking.

Advice on storage compatibility

Do not store together with: Material, rich in oxygen, oxidizing.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters



according to Regulation (EC) No 1907/2006

Urethane red

Revision date: 10.10.2017 Product code: 165 Page 4 of 8

Exposure limits (EH40)

CAS No	Substance	ppm	mg/m³	fibres/ml	Category	Origin
78-93-3	Butan-2-one (methyl ethyl ketone)	200	600		TWA (8 h)	WEL
		300	899		STEL (15 min)	WEL
106-97-8	Butane	600	1450		TWA (8 h)	WEL
		750	1810		STEL (15 min)	WEL

Biological Monitoring Guidance Values (EH40)

CAS No	Substance	Parameter	Value	Test material	Sampling time
78-93-3	Butan-2-one	butan-2-one	70 µmol/L	urine	Post shift

8.2. Exposure controls

Appropriate engineering controls

If handled uncovered, arrangements with local exhaust ventilation have to be used. Do not breathe gas/fumes/vapour/spray.

Protective and hygiene measures

Change contaminated clothing. Wash hands before breaks and after work. When using do not eat or drink.

Eye/face protection

Tightly sealed safety glasses.

Hand protection

DIN EN 374 Tested protective gloves are to be worn: NBR (Nitrile rubber) 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. NBR (Nitrile rubber)

Skin protection

Protective clothing:

Respiratory protection

In case of inadequate ventilation wear respiratory protection.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state: Aerosol

Colour:

Odour: characteristic

Test method

Changes in the physical state

Initial boiling point and boiling range:

Flash point:

<0 °C

Lower explosion limits:

1,4 vol. %

Upper explosion limits:

9,4 vol. %

Ignition temperature:

365 °C

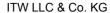
Vapour pressure:

2100 hPa

(at 20 °C)

Vapour pressure: 4900 hPa

(at 50 °C)





according to Regulation (EC) No 1907/2006

Urethane red

Revision date: 10.10.2017 Product code: 165 Page 5 of 8

Density: 0,87 g/cm³

SECTION 10: Stability and reactivity

10.1. Reactivity

No data available

10.2. Chemical stability

No data available

10.3. Possibility of hazardous reactions

No data available

10.4. Conditions to avoid

Keep away from heat. Ignition hazard.

10.5. Incompatible materials

No data available

10.6. Hazardous decomposition products

No data available

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity

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

CAS No	Chemical name					
	Exposure route	Dose		Species	Source	Method
106-97-8	butane					
	inhalative (4 h) gas	LC50 ppm	273000	Rat	GESTIS	
90989-38-1	1 Aromatic hydrocarbons, C8 (Xylene)					
	oral	LD50 mg/kg	3523	Rat		
	dermal	LD50 mg/kg	12126	Rabbit		
	inhalative (4 h) vapour	LC50	27,1 mg/l	Rat		
	inhalative gas	ATE ppm	4500			

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.

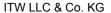
STOT-single exposure

May cause drowsiness or dizziness. ((Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatic); (butanone; ethyl methyl ketone))

STOT-repeated exposure

Repeated exposure may cause skin dryness or cracking.

Causes damage to organs (Leber) through prolonged or repeated exposure. ((Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatic))





according to Regulation (EC) No 1907/2006

Urethane red

Revision date: 10.10.2017 Product code: 165 Page 6 of 8

Aspiration hazard

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

Additional information on tests

The classification was carried out according to the calculation method of the Preparations Directive (1999/45/EC).

SECTION 12: Ecological information

12.1. Toxicity

CAS No	Chemical name						
	Aquatic toxicity	Dose		[h] [d]	Species	Source	Method
90989-38-1	Aromatic hydrocarbons, C8 (Xylene)						
	Acute fish toxicity	LC50	2,6 mg/l	96 h	Fisch		
	Acute algae toxicity	ErC50	2,6 mg/l	72 h	Alge		

12.3. Bioaccumulative potential

Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
106-97-8	butane	2,89
74-98-6	propane	2,36

Further information

Do not allow to enter into surface water or drains. The classification was carried out according to the calculation method of the Preparations Directive (1999/45/EC).

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Advice on disposal

Dispose of waste according to applicable legislation.

Waste disposal number of waste from residues/unused products

160504 WASTES NOT OTHERWISE SPECIFIED IN THE LIST; gases in pressure containers and

discarded chemicals; gases in pressure containers (including halons) containing hazardous

substances

Classified as hazardous waste.

Waste disposal number of contaminated packaging

150104 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND

PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately

collected municipal packaging waste); metallic packaging

Contaminated packaging

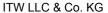
Non-contaminated packages may be recycled. Handle contaminated packages in the same way as the substance itself.

SECTION 14: Transport information

Land transport (ADR/RID)

14.1. UN number:UN195014.2. UN proper shipping name:AEROSOLS

14.3. Transport hazard class(es): 2
Hazard label: 2.1





according to Regulation (EC) No 1907/2006

Urethane red

Revision date: 10.10.2017 Product code: 165 Page 7 of 8



Classification code: 5F

Special Provisions: 190 327 625

Limited quantity: 1 L
Transport category: 2
Tunnel restriction code: D

Other applicable information (land transport)

FΛ

Inland waterways transport (ADN)

14.1. UN number:UN195014.2. UN proper shipping name:AEROSOLS

14.3. Transport hazard class(es):2Hazard label:2.1



Classification code: 5F

Special Provisions: 190 327 344 625

Limited quantity: 1 L

Other applicable information (inland waterways transport)

E0

Marine transport (IMDG)

14.1. UN number:UN195014.2. UN proper shipping name:AEROSOLS

14.3. Transport hazard class(es): 2
14.4. Packing group: -

Hazard label: 2, see SP63

Special Provisions: 63, 190, 277, 327, 344, 959

Limited quantity: See SP277 EmS: F-D, S-U

Other applicable information (marine transport)

EC

Air transport (ICAO-TI/IATA-DGR)

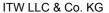
14.1. UN number: UN1950

14.2. UN proper shipping name: AEROSOLS, flammable

14.3. Transport hazard class(es):2.1Hazard label:2.1



Special Provisions: A145 A167 Limited quantity Passenger: 30 kg G





according to Regulation (EC) No 1907/2006

_	rot	na	nΔ	red

Revision date: 10.10.2017 Product code: 165 Page 8 of 8

IATA-packing instructions - Passenger:203IATA-max. quantity - Passenger:75 kgIATA-packing instructions - Cargo:203IATA-max. quantity - Cargo:150 kg

Other applicable information (air transport)

E0 : Y203

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: no

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 29: Aromatic hydrocarbons, C8 (Xylene)

2004/42/EC (VOC): 58,82 % (511,734 g/l)

Extremely flammable das

National regulatory information

SECTION 16: Other information

H220

Relevant H and EUH statements (number and full text)

11220	Extremely naminable gas.
H222	Extremely flammable aerosol.
H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H229	Pressurised container: May burst if heated.
H304	May be fatal if swallowed and enters airways.
H312	Harmful in contact with skin.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H336	May cause drowsiness or dizziness.
H372	Causes damage to organs (Leber) through prolonged or repeated exposure.
H372	Causes damage to organs through prolonged or repeated exposure.
H400	Very toxic to aquatic life.
H411	Toxic to aquatic life with long lasting effects.
EUH066	Repeated exposure may cause skin dryness or cracking.

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