

Trade name: Nitroverdünner BAG 43041

Substance number: 156300

Version: 5 / CH

Date revised: 17.12.2018

Replaces Version: 4 / CH

Print date: 23.04.19

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

1.1. Product identifier

Nitroverdünner BAG 43041

Item No. 15630000

1.3. Details of the supplier of the safety data sheet

Address/Manufacturer

Hänseler AG

Industriestrasse 35

9100 Herisau

Telephone no. 0041 (0)71 353 58 58

E-mail address of sdb@haenseler.ch

person responsible

for this SDS

1.4. Emergency telephone number

Switzerland :145 / Abroad +41 (0)44 251 51 51

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (Regulation (EC) No. 1272/2008)

Classification (Regulation (EC) No. 1272/2008)

Flam. Liq. 2	H225
Asp. Tox. 1	H304
STOT SE 3	H335
STOT SE 3	H336
Repr. 2	H361d
STOT RE 2	H373
Skin Irrit. 2	H315
Eye Irrit. 2	H319
Aquatic Chronic 3	H412

The product is classified and labelled in accordance with Regulation (EC) No 1272/2008

For explanation of abbreviations see section 16.

2.2. Label elements

Labelling according to regulation (EC) No 1272/2008

Hazard pictograms



Signal word

Danger

Hazard statements

H225	Highly flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.

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H361d	Suspected of damaging the unborn child.
H373	May cause damage to organs through prolonged or repeated exposure.
H412	Harmful to aquatic life with long lasting effects.
H315	Causes skin irritation.
H319	Causes serious eye irritation.

Precautionary statements

P201	Obtain special instructions before use.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P260	Do not breathe dust/fume/gas/mist/vapours/spray.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P301+P310	IF SWALLOWED: Immediately call a POISON CENTER or doctor.
P304+P340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308+P313	IF expoed or concerned: Get medicinal advice/attention.
P331	Do NOT induce vomiting.
P403+P233	Store in a well-ventilated place. Keep container tightly closed.

Hazardous component(s) to be indicated on label (Regulation (EC) No. 1272/2008)

contains	Toluene; 4-Methylpentan-2-ol; 4-Methylpentan-2-one; Acetone; n-Butyl acetate; Hydrocarbons C7-C9, n-alkanes, isoalkanes, cyclics
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SECTION 3: Composition/information on ingredients**Hazardous ingredients****4-Methylpentan-2-one**

CAS No.	108-10-1
EINECS no.	203-550-1
Concentration	>= 25 < 30 %
Classification (Regulation (EC) No. 1272/2008)	
	Flam. Liq. 2 H225
	Acute Tox. 4 H332
	Eye Irrit. 2 H319
	STOT SE 3 H335

Toluene

CAS No.	108-88-3
EINECS no.	203-625-9
Registration no.	01-2119471310-51-XXXX
Concentration	>= 25 < 50 %
Classification (Regulation (EC) No. 1272/2008)	
	Flam. Liq. 2 H225
	Asp. Tox. 1 H304
	Skin Irrit. 2 H315
	Repr. 2 H361d
	STOT SE 3 H336
	STOT RE 2 H373

Additional remarks:

DSD Directive 67/548/EEC, Annex I, Note 4

n-Butyl acetate

CAS No.	123-86-4
EINECS no.	204-658-1
Concentration	>= 25 < 50 %

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Classification (Regulation (EC) No. 1272/2008)

Flam. Liq. 3	H226
STOT SE 3	H336

Hydrocarbons C7-C9, n-alkanes, isoalkanes, cyclics

EINECS no. 920-750-0

Registration no. 01-21199473851-33-XXXX

Concentration >= 20 < 25 %

Classification (Regulation (EC) No. 1272/2008)

Flam. Liq. 2	H225
STOT SE 3	H336
Asp. Tox. 1	H304
Aquatic Chronic 2	H411

Acetone

CAS No. 67-64-1

EINECS no. 200-662-2

Concentration >= 10 < 20 %

Classification (Regulation (EC) No. 1272/2008)

Flam. Liq. 2	H225
Eye Irrit. 2	H319
STOT SE 3	H336

4-Methylpentan-2-ol

CAS No. 108-11-2

EINECS no. 203-551-7

Concentration >= 1 < 10 %

Classification (Regulation (EC) No. 1272/2008)

Flam. Liq. 3	H226
STOT SE 3	H335

Concentration limits (Regulation (EC) No. 1272/2008)

STOT SE 3	H335	>= 25
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SECTION 4: First aid measures**4.1. Description of first aid measures****General information**

Take affected person to fresh air. Remove contaminated, soaked clothing immediately and dispose of safely. Adhere to personal protective measures when giving first aid

After inhalation

Ensure supply of fresh air. Irregular breathing/no breathing: artificial respiration. In the event of symptoms take medical treatment. If the patient is likely to become unconscious, place and transport in stable sideways position.

After skin contact

Wash off immediately with soap and water and rinse well. Consult a doctor if skin irritation persists.

After eye contact

Separate eyelids, wash the eyes thoroughly with water (15 min.). Take medical treatment.

After ingestion

Do not induce vomiting. Summon a doctor immediately. Rinse out mouth and give plenty of water to drink. Administer activated charcoal.

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

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Irritation of mucosa, Headache, Dizziness, Gastrointestinal complaints, Nausea, Intoxication, Narcosis

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

Hints for the physician / hazards

In the case of swallowing with subsequent vomiting, aspiration of the lungs can occur which can lead to chemical pneumonia or asphyxiation.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Carbon dioxide, Water spray jet, Dry powder, Extinguish greater fire with water spray or alcohol-resistant foam.

Non suitable extinguishing media

Full water jet

5.2. Special hazards arising from the substance or mixture

Carbon monoxide (CO); Forms explosive mixture with air are possible. Carbon dioxide (CO₂)

5.3. Advice for firefighters

Special protective equipment for fire-fighting

Use self-contained breathing apparatus.

Other information

Cool endangered containers with water spray jet.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Wear protective equipment. Keep away unprotected persons.

6.2. Environmental precautions

Do not discharge into the drains/surface waters/groundwater. Prevent spread over a wide area (e.g. by containment or oil barriers). In case the product spills into sewage waters, immediately inform the authorities.

6.3. Methods and material for containment and cleaning up

Take up with absorbent material (eg sand, kieselguhr, universal binder). Dispose of absorbed material in accordance with the regulations. Ensure adequate ventilation.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Provide good ventilation of working area (local exhaust ventilation if necessary). Provide good room ventilation even at ground level (vapours are heavier than air). Keep container tightly closed. Avoid inhalation of vapour and spray mist.

Advice on protection against fire and explosion

Keep away from sources of ignition - No smoking. Take action to prevent static discharges. Use explosion-proof equipment/fittings and non-sparking tools. Vapours can form an explosive mixture with air. Risk of explosion if the liquid enters the drains.

7.2. Conditions for safe storage, including any incompatibilities

Recommended storage temperature

Value	15	25	°C
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Requirements for storage rooms and vessels

explosion proof. Provide solvent-resistant and impermeable floor.

Hints on storage assembly

Do not store with oxidizing agents.

Further information on storage conditions

Keep container tightly closed and dry in a cool, well-ventilated place. Protect from heat and direct sunlight.

SECTION 8: Exposure controls/personal protection**8.1. Control parameters****Exposure limit values****Acetone**

List	SUVA			
Type	MAK			
Value	1200	mg/m ³	500	ppm(V)
Short term exposure limit	2400	mg/m ³	1000	ppm(V)
Status: 2017; Remarks: B ZNS; AugeKT HU & AWKT HU; NIOSH				

4-Methylpentan-2-ol

List	SUVA			
Type	MAK			
Value	85	mg/m ³	20	ppm(V)
Short term exposure limit	85	mg/m ³	20	ppm(V)
Skin resorption / sensibilisation: H; Status: 2017; Remarks: H; ZNS, Auge, OAWKT HU; NIOSH				

4-Methylpentan-2-one

List	SUVA			
Type	MAK			
Value	82	mg/m ³	20	ppm(V)
Short term exposure limit	164	mg/m ³	40	ppm(V)
Skin resorption / sensibilisation: H; Pregnancy group: S; Status: 2017; Remarks: H B SSc; OAW, ZNS, AugeKT HU; DFG, INRS, NIOSH				

Toluene

List	SUVA			
Type	MAK			
Value	190	mg/m ³	50	ppm(V)
Short term exposure limit	760	mg/m ³	200	ppm(V)
Skin resorption / sensibilisation: H; Pregnancy group: S; Status: 2017; Remarks: H OL B R2F R2D SSc; Sehen, ZNS; DFG, HSE, INRS, NIOSH				

n-Butyl acetate

List	SUVA			
Type	MAK			
Value	480	mg/m ³	100	ppm(V)
Short term exposure limit	960	mg/m ³	200	ppm(V)
Pregnancy group: S; Status: 2017; Remarks: SSc; AugeKT HU & OAWKT HU; INRS, NIOSH				

8.2. Exposure controls**General protective and hygiene measures**

Keep away from food-stuffs, beverages and feed-stocks. Wash hands before breaks and after work. Avoid contact with skin and eyes. Hold eye wash fountain available. Do not inhale gases/vapours/aerosols. At work do not eat, drink, smoke or take drugs.

Respiratory protection

Breathing apparatus in the event of aerosol or mist formation. Gas filter class A1.

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Hand protection

Gloves (solvent-resistant)
 Appropriate Material Fluoro carbon rubber - FKM
 Appropriate Material Butyl rubber - Butyl
 Not suitable: rubber gloves
 Not suitable: PVC gloves
 Not suitable: leather gloves
 Not suitable: gloves made of thick material

Eye protection

Tightly fitting safety glasses

Body protection

Solvent-resistant protective clothing

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Form	liquid	
Colour	colourless	
Melting point		
Remarks	not determined	
Initial boiling point and boiling range		
Value	55	°C
Method	DIN 51761	
Flash point		
Value	-18	°C
Method	DIN 51755	
Vapour pressure		
Value	35	hPa
Source	Estimated value	
Density		
Value	0.813	g/cm ³
Temperature	20	°C

9.2. Other information**Solvent content**

Value 100 %

Other information

Forms explosive mixture with air are possible.

SECTION 10: Stability and reactivity**10.1. Reactivity**

No decomposition if stored and applied as directed.

10.2. Chemical stability

No decomposition if stored and applied as directed.

10.3. Possibility of hazardous reactions

To avoid thermal decomposition, do not overheat.

10.4. Conditions to avoid

Keep away from sources of heat and ignition. Heat. Flames. Sparks

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10.5. Incompatible materials

Strong oxidising agents

10.6. Hazardous decomposition productsIrritant gases/vapours, Flammable gases/vapours, In the event of fire the following can be released:
Carbon monoxide**Other information**

Formation of explosive gas/air mixtures.

SECTION 11: Toxicological information**11.1. Information on toxicological effects****Acute oral toxicity (Components)****Hydrocarbons C7-C9, n-alkanes, isoalkanes, cyclics**

Species	rat		
LD50	<	5000	mg/kg
Method	OECD 401		

Acetone

Species	rat		
LD50		5800	mg/kg
Method	OECD 401		

Toluene

Species	rat		
LD50		5580	mg/kg
Duration of exposure	-		
Method	OECD 401		

4-Methylpentan-2-one

Species	rat		
LD50		2080	mg/kg
Method	OECD 401		

n-Butyl acetate

Species	rat		
LD50		10760	mg/kg
Method	OECD 423		

4-Methylpentan-2-ol

Species	rat		
LD50		2590	mg/kg
Method	OECD 401		

Acute dermal toxicity (Components)**Hydrocarbons C7-C9, n-alkanes, isoalkanes, cyclics**

Species	rabbit		
LD50	>	2800	mg/kg
Method	OECD 402		

Acetone

Species	rabbit		
LD50	>	15800	mg/kg

4-Methylpentan-2-one

Species	rat		
LD50	>	16000	mg/kg

Toluene

Species	rabbit		
LD50	>	5000	mg/kg

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n-Butyl acetate

Species	rabbit		
LD50	>	14112	mg/kg
Method	OECD 402		

4-Methylpentan-2-ol

Species	rabbit		
LD50		2870	mg/kg
Method	OECD 402		

Acute inhalational toxicity

ATE		44	mg/l
Administration/Form	Vapors		
Method	calculated value (Regulation (EC) No. 1272/2008)		
ATE		6	mg/l
Administration/Form	Dust/Mist		
Method	calculated value (Regulation (EC) No. 1272/2008)		

Acute inhalative toxicity (Components)**Hydrocarbons C7-C9, n-alkanes, isoalkanes, cyclics**

Species	rat		
LC50	>	23.3	mg/l
Duration of exposure		4	h
Method	OECD 403		

Acetone

Species	rat		
LC50	appr.	76	mg/l
Duration of exposure		4	h

4-Methylpentan-2-one

Species	rat		
LC50	>	2000	ppm(V)
Duration of exposure		4	h

4-Methylpentan-2-one

Species	rat		
NOAEC		450	ppm(V)
Administration/Form	Vapors		

Toluene

Species	Rats (male/female)		
LC50		28.1	mg/l
Duration of exposure		4	h
Method	OECD 403		

Toluene

Species	rat (male)		
LC50		25.7	mg/l
Administration/Form	Vapors		
Method	OECD 403		

Toluene

Species	rat (female)		
LC50		30	mg/l
Administration/Form	Vapors		
Method	OECD 403		

n-Butyl acetate

Species	rat		
LC50		23.4	mg/l
Duration of exposure		4	h
Administration/Form	Dust/Mist		

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Method OECD 403

4-Methylpentan-2-ol

Species rat
 LC50 < 16 mg/l
 Method OECD 403

Skin corrosion/irritation

Remarks Irritating effects on the skin and mucous membrane.
 Remarks Repeated and prolonged skin contact may lead to defatting and irritation of the skin.

Serious eye damage/irritation

Remarks Irritates the eyes.

Sensitization

Remarks No sensitization effect known.

Sensitization (Components)**4-Methylpentan-2-one**

Species guinea pig
 evaluation non-sensitizing
 Method OECD 406

n-Butyl acetate

Species guinea pig
 evaluation non-sensitizing
 Method OECD 406

n-Butyl acetate

Species mouse
 evaluation non-sensitizing

Subacute, subchronic, chronic toxicity

Remarks Repeated absorption/exposure may cause disorder of liver and kidneys.

Mutagenicity (Components)**Acetone**

evaluation No mutagenicity according to various in vitro tests.

Reproduction toxicity (Components)**4-Methylpentan-2-ol**

Route of exposure inhalative
 Dose 4.16 mg/l
 evaluation No negative effects
 Remarks Test conducted with a similar formulation.

Carcinogenicity (Components)**4-Methylpentan-2-ol**

Dose 1.84 mg/l
 Remarks No evidence available on carcinogenicity.

Experience in practice

Can be absorbed through skin.

Other information

When inhaled or swallowed depending on the time and amount, it can give rise to the following symptoms: narcosis, headache, dizziness...

SECTION 12: Ecological information**12.1. Toxicity**

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Fish toxicity

Reference substance	Toluene		
Species	goldfish (<i>Carassius auratus</i>)		
LC50	13		mg/l
Duration of exposure	96	h	

Fish toxicity (Components)**Hydrocarbons C7-C9, n-alkanes, isoalkanes, cyclics**

Species	rainbow trout (<i>Oncorhynchus mykiss</i>)		
LLC	>	13.4	mg/l
Duration of exposure	96	h	

Acetone

Species	rainbow trout (<i>Oncorhynchus mykiss</i>)		
LC50	5540		mg/l
Duration of exposure	96	h	

Toluene

Species	<i>Oncorhynchus kisutch</i>		
LC50	5.5		mg/l
Duration of exposure	96	h	

n-Butyl acetate

Species	Fathead minnow (<i>Pimephales promelas</i>)		
LC50	18		mg/l
Duration of exposure	96	h	

4-Methylpentan-2-ol

Species	Fathead minnow (<i>Pimephales promelas</i>)		
LC50	>	92.4	mg/l
Method	OECD 203		

4-Methylpentan-2-one

Species	zebra fish (<i>Brachydanio rerio</i>)		
LC50	>	179	mg/l
Duration of exposure	96	h	
Method	OECD 203		

Daphnia toxicity

Reference substance	Toluene		
Species	<i>Daphnia magna</i>		
EC50	11.5		mg/l
Duration of exposure	48	h	
Reference substance	Naphtha (Petroleum), hydrotreated light; low boiling point hydrogen treated		
Species	<i>Daphnia magna</i>		
EC50	<	10	mg/l

Daphnia toxicity (Components)**Hydrocarbons C7-C9, n-alkanes, isoalkanes, cyclics**

Species	<i>Daphnia magna</i>		
	3		mg/l
Duration of exposure	48	h	
Remarks	Test conducted with a similar formulation.		

Hydrocarbons C7-C9, n-alkanes, isoalkanes, cyclics

Species	<i>Daphnia magna</i>		
NOEC	0.17		mg/l
Duration of exposure	21	d	

Hydrocarbons C7-C9, n-alkanes, isoalkanes, cyclics

Species	<i>Daphnia magna</i>		
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LOEC	0.32		mg/l
Duration of exposure	21	d	

Toluene

Species	Ceriodaphnia spec		
LC50	3.78		mg/l
Duration of exposure	48	h	

n-Butyl acetate

Species	Daphnia magna		
EC50	44		mg/l
Duration of exposure	48	h	

Acetone

Species	Daphnia magna		
LC50	8000		mg/l
Duration of exposure	48	h	

4-Methylpentan-2-ol

Species	Daphnia magna		
EC50	337		mg/l
Duration of exposure	48	h	
Method	OECD 202		

4-Methylpentan-2-one

Species	Daphnia magna		
EC50	> 200		mg/l
Duration of exposure	48	h	

4-Methylpentan-2-one

Species	Daphnia magna		
NOEC	30	to	35
Duration of exposure	21	d	
Method	OECD 211		

Algae toxicity

Reference substance	Toluene		
IC50	12		mg/l
Duration of exposure	72	h	
Reference substance	Naphtha (Petroleum), hydrotreated light; low boiling point hydrogen treated Naphtha		
IC50	< 100		mg/l

Algae toxicity (Components)**Hydrocarbons C7-C9, n-alkanes, isoalkanes, cyclics**

Species	Pseudokirchneriella subcapitata		
NOEC	10		mg/l
Duration of exposure	72	h	

Hydrocarbons C7-C9, n-alkanes, isoalkanes, cyclics

Species	Pseudokirchneriella subcapitata		
EC50	10	to	30
Duration of exposure	72	h	
Source	BM000318 SDS Brenntag 20140730.pdf		

Toluene

Species	Chlamydomonas angulosa		
EC50	134		mg/l
Duration of exposure	3	h	
Source	LS-3542-00 SDS Brenntag 20160517		

n-Butyl acetate

Species	Desmodesmus subspicatus		
EC50	647.7		mg/l

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Duration of exposure 72 h

n-Butyl acetateSpecies Desmodesmus subspicatus
NOEC 200 mg/l**Acetone**NOEC 430 mg/l
Duration of exposure 96 h**4-Methylpentan-2-ol**Species Pseudokirchneriella subcapitata
334 mg/l
Duration of exposure 96 h
Method OECD 201**Bacteria toxicity**Reference substance Naphtha (Petroleum), hydrotreated light; low boiling point hydrogen treated Naphtha
< 10 mg/l**Bacteria toxicity (Components)****Toluene**Species Nitrosomonas sp
EC50 84 mg/l
Duration of exposure 24 h**Acetone**Species activated sludge
1000 mg/l
Duration of exposure 0.5 h
Method OECD 209**4-Methylpentan-2-ol**Species activated sludge
EC50 > 100 mg/l
Duration of exposure 3 h
Method OECD 209**4-Methylpentan-2-one**Species Pseudomonas putida
275 mg/l
Duration of exposure 16 h**n-Butyl acetate**Species Tetrahymena
IC50 356 mg/l
Duration of exposure 40 h**12.2. Persistence and degradability****Biodegradability**

evaluation Moderately/partially biodegradable

Biodegradability (Components)**Acetone**Value 91 %
Duration of test 28 d
evaluation Readily biodegradable
Method OECD 301 B**4-Methylpentan-2-ol**Value 85 %
Duration of test 28 d

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Method OECD 301
Remarks The product is readily biodegradable according to OECD criteria.

4-Methylpentan-2-one

Value 83 %
Duration of test 28 d
evaluation Readily biodegradable
Method OECD 301

Toluene

Value 86 %
Duration of test 20 d
Remarks The product is readily biodegradable according to OECD criteria.

n-Butyl acetate

Value 83 %
Duration of test 28 d
evaluation Readily biodegradable
Method OECD 301

Chemical oxygen demand (COD) (Components)**Acetone**

Value 2100 mg/g

Toluene

Value 700 mg/g

Biochemical oxygen demand (BOD5) (Components)**Acetone**

Value 1900 mg/g
Duration of test 5 d

12.3. Bioaccumulative potential**Octanol/water partition coefficient (log Pow) (Components)****Acetone**

log Pow -0.24

12.4. Mobility in soil**General information**

For this subsection there is no ecotoxicological data available on the product as such.

12.5. Results of PBT and vPvB assessment**General information**

There are no data available on the mixture itself.

12.6. Other adverse effects**General information**

There are no data available on the mixture itself.

General information / ecology

Harmful to aquatic organisms. Do not allow it to reach ground water, water bodies or sewage system.
Hazard for drinking water supplies.

SECTION 13: Disposal considerations**13.1. Waste treatment methods****Disposal recommendations for the product**

Disposal in compliance with local and national regulations.
EWC waste code No not dispose with rubbish.

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EWC waste code




Should not be released into the sanitary sewer system.

Disposal recommendations for packaging

Unpurified packings can contain mixtures of gas and air which are capable of explosion.

Disposal in compliance with local and national regulations.

SECTION 14: Transport information

	Land transport ADR/RID	Marine transport IMDG/GGVSee	Air transport ICAO/IATA
Tunnel restriction code	D/E		
14.1. UN number	1993	1993	1993
14.2. UN proper shipping name	FLAMMABLE LIQUID, N.O.S. (4-Methylpentan-2-one)	FLAMMABLE LIQUID, N.O.S. (4-Methylpentan-2-one)	FLAMMABLE LIQUID, N.O.S. (4-Methylpentan-2-one)
14.3. Transport hazard class(es)	3	3	3
Label			
14.4. Packing group	II	II	II
Special provision	640D		
Limited Quantity	1 I		
Transport category	2		

SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****Water Hazard Class (Germany)**

Water Hazard Class (Germany) WGK 3

Remarks Classification according to Annex 4 VwVwS

National regulations SwitzerlandSwiss Toxicity Class 4
SFOPH T no. 610184**15.2. Chemical safety assessment**

For this substance a chemical safety assessment has not been carried out.

SECTION 16: Other information**Hazard statements listed in Chapter 3**H225 Highly flammable liquid and vapour.
H226 Flammable liquid and vapour.

Trade name: Nitroverdünner BAG 43041

Substance number: 156300

Version: 5 / CH

Date revised: 17.12.2018

Replaces Version: 4 / CH

Print date: 23.04.19

H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H361d	Suspected of damaging the unborn child.
H373	May cause damage to organs through prolonged or repeated exposure.

CLP categories listed in Chapter 3

Acute Tox. 4	Acute toxicity, Category 4
Asp. Tox. 1	Aspiration hazard, Category 1
Eye Irrit. 2	Eye irritation, Category 2
Flam. Liq. 2	Flammable liquid, Category 2
Flam. Liq. 3	Flammable liquid, Category 3
Repr. 2	Reproductive toxicity, Category 2
Skin Irrit. 2	Skin irritation, Category 2
STOT RE 2	Specific target organ toxicity - repeated exposure, Category 2
STOT SE 3	Specific target organ toxicity - single exposure, Category 3

Supplemental information

Relevant changes compared with the previous version of the safety data sheet are marked with: ***
This information is based on our present state of knowledge. However, it should not constitute a guarantee for any specific product properties and shall not establish a legally valid relationship.