

Trade name: White spirit

Substance number: 157400

Version: 7 / CH

Date revised: 27.02.2024

Replaces Version: 6 / CH

Print date: 27.02.24

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

1.1. Product identifier

White spirit

Item No. 15740000

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

Use of the substance/preparation

Solvent

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. 3 H226

STOT SE 3 H336

STOT RE 1 H372

Asp. Tox. 1 H304

Aquatic Chronic 2 H411

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

H226

Flammable liquid and vapour.

H336

May cause drowsiness or dizziness.

H372

Causes damage to organs through prolonged or repeated exposure.

H304

May be fatal if swallowed and enters airways.

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H411 Toxic to aquatic life with long lasting effects.

Precautionary statements

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.

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 *** Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%);
Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics

Supplemental information

EUH066 Repeated exposure may cause skin dryness or cracking.

2.3. Other hazards

The product contains no PBT substances. The product contains no vPvB substances. This product does not contain a substance that has endocrine disrupting properties with respect to human. The product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms.

SECTION 3: Composition/information on ingredients *****3.2. Mixtures****Chemical characterization**

White spirit
Mixture of diverse hydrocarbons

Hazardous ingredients *****Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)**

CAS No.	64742-82-1		
EINECS no.	919-446-0		
Registration no.	01-2119458049-33-XXXX		
Concentration	>= 50		%
Classification (Regulation (EC) No. 1272/2008)			

Flam. Liq. 3	H226
Asp. Tox. 1	H304
STOT SE 3	H336
STOT RE 1	H372
Aquatic Chronic 2	H411

Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics

EINECS no.	919-857-5		
Registration no.	01-2119463258-33-XXXX		
Concentration	>= 25	< 50	%
Classification (Regulation (EC) No. 1272/2008)			

Flam. Liq. 3	H226	
STOT SE 3	H336	Nervous system; Route of exposure: inhalative
Asp. Tox. 2	H305	
	EUH066	

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1,2,4-trimethylbenzene

CAS No.	95-63-6			
EINECS no.	202-436-9			
Concentration	>= 2.5	<	10	%
Classification (Regulation (EC) No. 1272/2008)				
	Flam. Liq. 3		H226	
	Acute Tox. 4		H332	
	Skin Irrit. 2		H315	
	Eye Irrit. 2		H319	
	STOT SE 3		H335	
	Aquatic Chronic 2		H411	

cATpE	inhalative, Dust/Mist	1.5	mg/l
ATE	inhalative, Vapors	18	mg/l

Other information

94/69/EG (21. ATP). Content of benzene in the product is smaller than 0.1%. Annotation P is valid. Classification and characterization as may cause cancer (R45) is not necessary.

SECTION 4: First aid measures**4.1. Description of first aid measures****General information**

Remove contaminated clothing immediately and dispose of safely. Adhere to personal protective measures when giving first aid

After inhalation

Ensure supply of fresh air. When spray fog inhaled, seek medical aid immediately and show the physician the packing or the packing label. In case of respiratory arrest induce breathing with a respiratory device. Seek medical advice.

After skin contact

Wash off with soap and water.

After eye contact

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

After ingestion

Rinse out mouth and give plenty of water to drink.

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

Headache, Dizziness, Unconsciousness, Nausea, CNS depression

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. 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, Dry powder, Water spray jet, Extinguish greater fire with water spray or alcohol-resistant foam. Extinguishing measures to suit surroundings

Non suitable extinguishing media

Full water jet

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5.2. Special hazards arising from the substance or mixture

Carbon monoxide (CO); Carbon dioxide (CO₂); Can build mixtures of gas and air which are capable of explosion.

5.3. Advice for firefighters**Special protective equipment for fire-fighting**

Use self-contained breathing apparatus. Wear full protective suit.

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

Prevent spread over a wide area (e.g. by containment or oil barriers). Advise water authority if spillage has entered water course or drainage system.

6.3. Methods and material for containment and cleaning up

Pick up with absorbent material. Dispose of absorbed material in accordance with the regulations. Ensure adequate ventilation.

6.4. Reference to other sections

Information regarding waste disposal, see Section 13. Information regarding personal protective measures, see Section 8. Information regarding Safe handling, see Section 7.

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). Handle and open container with care. Avoid formation of aerosols. Observe safety references and application instructions mentioned on can. Keep away from sources of ignition!

Advice on protection against fire and explosion

Keep away from sources of ignition - No smoking. Take action to prevent static discharges.

7.2. Conditions for safe storage, including any incompatibilities**Requirements for storage rooms and vessels**

Provide solvent-resistant and impermeable floor. Use steel or stainless steel containers.

Hints on storage assembly

Do not store with strong oxidizing agents.

Storage classes

Storage class according to TRGS 510	3	Flammable liquid
Storage category (Switzerland)	3	Flammable liquid

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**

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Exposure limit values *****Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)**

Type	MAK		
Value	525	mg/m ³	100 ml/m ³

1,2,4-trimethylbenzene

List	SUVA		
Type	MAK		
Value	100	mg/m ³	20 ppm(V)
Short term exposure limit	200	mg/m ³	40 ppm(V)

Pregnancy group: S; Remarks: SSc; ZNS, Asthma, Blut; INRS

Derived No/Minimal Effect Levels (DNEL/DMEL)**Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)**

Type of value	Derived No Effect Level (DNEL)		
Reference group	Worker		
Duration of exposure	Long term		
Route of exposure	dermal		
Mode of action	Systemic effects		
Concentration	44		mg/kg/d

Type of value	Derived No Effect Level (DNEL)		
Reference group	Worker		
Duration of exposure	Long term		
Route of exposure	inhalative		
Mode of action	Systemic effects		
Concentration	330		mg/m ³

Type of value	Derived No Effect Level (DNEL)		
Reference group	Consumer		
Duration of exposure	Long term		
Route of exposure	inhalative		
Mode of action	Systemic effects		
Concentration	71		mg/m ³

Type of value	Derived No Effect Level (DNEL)		
Reference group	Consumer		
Duration of exposure	Long term		
Route of exposure	dermal		
Mode of action	Systemic effects		
Concentration	26		mg/kg/d

Type of value	Derived No Effect Level (DNEL)		
Reference group	Consumer		
Duration of exposure	Long term		
Route of exposure	oral		
Mode of action	Systemic effects		
Concentration	26		mg/kg/d

Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics

Type of value	Derived No Effect Level (DNEL)		
Reference group	Worker		
Duration of exposure	Long term		
Route of exposure	dermal		
Mode of action	Systemic effects		
Concentration	208		mg/kg/d

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Type of value	Derived No Effect Level (DNEL)	
Reference group	Worker	
Duration of exposure	Long term	
Route of exposure	inhalative	
Mode of action	Systemic effects	
Concentration	871	mg/m ³
Type of value	Derived No Effect Level (DNEL)	
Reference group	Consumer	
Duration of exposure	Long term	
Route of exposure	dermal	
Mode of action	Systemic effects	
Concentration	125	mg/kg/d
Type of value	Derived No Effect Level (DNEL)	
Reference group	Consumer	
Duration of exposure	Long term	
Route of exposure	inhalative	
Mode of action	Systemic effects	
Concentration	185	mg/m ³
Type of value	Derived No Effect Level (DNEL)	
Reference group	Consumer	
Duration of exposure	Long term	
Route of exposure	oral	
Mode of action	Systemic effects	
Concentration	125	mg/kg/d

8.2. Exposure controls

Exposure controls

See Section 7. No measures exceeding the ones mentioned necessary.

General protective and hygiene measures

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

Respiratory protection

necessary; If workplace limits are exceeded, a respiratory protection approved for this particular job must be worn. At intensive and longer exposition use self-contained breathing apparatus. Short term: filter apparatus; Gas filterA.

Hand protection

Gloves (solvent-resistant)
 Appropriate Material nitrile rubber - NBR
 Material thickness > 0.4 mm
 Breakthrough time > 480 min

Eye protection

Tightly fitting safety glasses

Body protection

Solvent-resistant protective clothing; Fire-resistant antistatic protective clothing

SECTION 9: Physical and chemical properties ***

9.1. Information on basic physical and chemical properties

Physical state liquid

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Colour	colourless		
Odour	of hydrocarbons		
Melting point			
Value	<	-20	°C
Method	ASTM D 97		
Boiling point or initial boiling point and boiling range			
Value	155	to	194 °C
Method	ASTM D-86		
Upper and lower explosive limits			
Lower explosion limit	0.7		%(V)
Upper explosion limit	6		%(V)
Flash point			
Value	41		°C
Viscosity ***			
kinematic			
Value	1.007		mm ² /s
Temperature	40	°C	
kinematic			
Value	1.203		mm ² /s
Temperature	25	°C	
Vapour pressure ***			
Remarks	No data available		
Density and/or relative density			
Value	0.794		g/cm ³
Temperature	15	°C	

9.2. Other information**Solubility in water**

Remarks not determined

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

Vapours can form an explosive mixture with air.

10.4. Conditions to avoid

Protect from heat/overheating. Heat. Flames. Sparks

10.5. Incompatible materials

Reactions with strong oxidising agents.

10.6. Hazardous decomposition products

In the event of fire the following can be released: Carbon monoxide and carbon dioxide, Toxic gases/vapours

SECTION 11: Toxicological information

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11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute oral toxicity (Components)

Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)

Reference substance	Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)		
Species	rat		
LD50	>	15000	mg/kg
Method	OECD 401		

Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics

Species	rat		
LD50	>	5000	mg/kg

Acute dermal toxicity (Components)

Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)

Species	rat		
LD50	>	3400	mg/kg
Method	OECD 402		
Source	Analogous		

Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics

Species	rabbit		
LD50	>	5000	mg/kg

Acute inhalational toxicity

White spirit

ATE	>	100	mg/l
Administration/Form	Vapors		
Method	calculated value (Regulation (EC) No. 1272/2008)		

White spirit

ATE	>	20	mg/l
Administration/Form	Dust/Mist		
Method	calculated value (Regulation (EC) No. 1272/2008)		

Acute inhalative toxicity (Components)

1,2,4-trimethylbenzene

Species	rat		
LC50		18	mg/l
Duration of exposure		4	h
Administration/Form	Vapors		

Skin corrosion/irritation

White spirit

Remarks	Repeated and prolonged skin contact may lead to defatting and irritation of the skin.
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Skin corrosion/irritation (Components)

Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)

evaluation	non-irritant
Method	OECD 404
Source	Analogous

Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics

evaluation	slightly irritant
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Serious eye damage/irritation (Components)

Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)

evaluation	slightly irritant
Method	OECD 405

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Source Analogous

Sensitization (Components)**Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)**

evaluation non-sensitizing

Method OECD 406

Source Analogous

Reproduction toxicity (Components)**Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)**

evaluation No negative effects

Source Analogous

Carcinogenicity (Components)**Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)**

evaluation No negative effects

Source Analogous

Specific Target Organ Toxicity (STOT) (Components)**Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)**

evaluation May cause drowsiness or dizziness.

Route of exposure inhalative

Source Analogous

11.2 Information on other hazards**Endocrine disrupting properties with respect to humans****White spirit**

The product does not contain a substance that has endocrine disrupting properties with respect to humans.

SECTION 12: Ecological information *****12.1. Toxicity****Fish toxicity (Components)****Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)**Species rainbow trout (*Oncorhynchus mykiss*)

LL50 10 to 30 mg/l

Duration of exposure 96 h

Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromaticsSpecies rainbow trout (*Oncorhynchus mykiss*)

LL50 > 1000 mg/l

Duration of exposure 96 h

Daphnia toxicity (Components)**Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)**Species *Daphnia magna*

EL50 10 22 mg/l

Duration of exposure 48 h

Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)Species *Daphnia magna*

LOEC 0.203 mg/l

Duration of exposure 21 d

Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)Species *Daphnia magna*

NOEC 0.097 mg/l

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Duration of exposure 21 d

Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics

Species	Daphnia magna		
EL0	1000		mg/l
Duration of exposure	48	h	

Algae toxicity (Components)**Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)**

Species	Raphidocelis subcapitata		
EL50	4.6	10	mg/l
Duration of exposure	72	h	

Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)

Species	Raphidocelis subcapitata		
NOELR	1		mg/l
Duration of exposure	72	h	

Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics

Species	Pseudokirchneriella subcapitata		
EL50	> 1000		mg/l

Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics

Species	Pseudokirchneriella subcapitata		
NOELR	100		mg/l

12.2. Persistence and degradability**Biodegradability (Components)****Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)**

Value	74.7	%
Duration of test evaluation	28	d
	Readily biodegradable	

Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics

Value	80	%
Duration of test evaluation	28	d
	Readily biodegradable	

12.3. Bioaccumulative potential**Octanol/water partition coefficient (log Pow) (Components)****Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics**

Remarks	Due to the distribution coefficient n-octanol/water, accumulation in organisms is possible.
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12.4. Mobility in soil**Mobility in soil (Components)****Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)**

Will not adsorb on soil.

Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics

Adsorbs on soil.

Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics

Slightly mobile in soils

Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics

The product is insoluble and floats on water.

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

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The product contains no PBT substances

White spirit

The product contains no vPvB substances.

12.6 Endocrine disrupting properties**Endocrine disrupting properties with respect to the environment****White spirit**

The product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms.

12.7. Other adverse effects**General information**

Do not allow it to reach ground water, water bodies or sewage system. Toxic to aquatic life. May cause long lasting harmful effects to aquatic life.

General information / ecology

Product is hazardous to water. Toxic for aquatic organisms.

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.

EWC waste code

Should not be released into the sanitary sewer system.

Disposal recommendations for packaging

Disposal in compliance with local and national regulations.

SECTION 14: Transport information ***

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	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. (Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%))	FLAMMABLE LIQUID, N.O.S. (Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%))	FLAMMABLE LIQUID, N.O.S. (Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%))
14.3. Transport hazard class(es)	3	3	3
Label			
14.4. Packing group	III	III	III
Limited Quantity	5 l		
Transport category	3		
14.5. Environmental hazards		Marine Pollutant	

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 2

Remarks Derivation of WGK according to Annex 1 No. 5.2 AwSV

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

EUH066	Repeated exposure may cause skin dryness or cracking.
H226	Flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H305	May be harmful 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.
H372	Causes damage to organs through prolonged or repeated exposure.
H411	Toxic to aquatic life with long lasting effects.

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CLP categories listed in Chapter 3

Acute Tox. 4	Acute toxicity, Category 4
Aquatic Chronic 2	Hazardous to the aquatic environment, chronic, Category 2
Aquatic Chronic 2	Hazardous to the aquatic environment, chronic, Category 2
Asp. Tox. 1	Aspiration hazard, Category 1
Asp. Tox. 2	Aspiration hazard, Category 2
Eye Irrit. 2	Eye irritation, Category 2
Flam. Liq. 3	Flammable liquid, Category 3
Skin Irrit. 2	Skin irritation, Category 2
STOT RE 1	Specific target organ toxicity - repeated exposure, Category 1
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.