Wisatyp® SA Solvent

1. Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

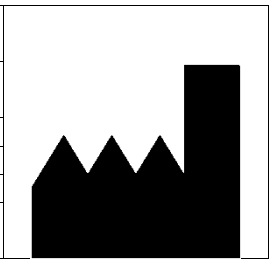
Trade Name	**Wisatyp SA Lösemittel**
Item number	TL 1001.10, TL 1001.1000
BAG-Register number (CH)	CPID: 532165-29 UFI: 5P90-H0PC-F00S-TDU7

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

Relevant identified uses	Solvent, Detergents
Uses advised against	All applications that are not explained in this technical data sheet.
Field for application [SU]	SU22 – Commercial use: Public domain (administration, education, entertainment, services, trade)

1.3 Details of the supplier of the safety data sheet

Supplier	**Wisabax AG** Kleb- und Dichtstoffe
Address	Grossmatte 21 / Postfach CH-6014 Luzern-Littau
Phone	+41 (0)41 250 18 18
Email	info@wisabax.ch
URL	www.wisabax.ch
Information contact	Technical Dept. - Mr B. Wicki Environment Dept. - Mrs E. Svets



1.4 Emergency telephone number

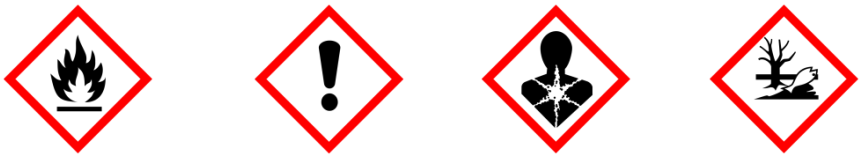
24h emergency number (just possible in switzerland)	**Tel. 145**	
Tox Info Suisse (ancient swiss toxicological infomations centre) **For emergencies from all the countries** 24h accessible in german, french, italian oder english. For not urgent cases see www.toxinfo.ch.	**Tel. +41 (0)44 251 51 51**	

2. Hazards identification

2.1 Classification of the substance or mixture according to (EC) Nr. 1272/2008 (CLP).

Hazard class	Hazard category	Hazard warnings
Flam. Liq.	3	H226 Flammable liquid and vapour
Asp. Tox.	1	H304 May be fatal if swallowed and enters airways.
STOT SE	3	H336 May cause drowsiness or dizziness.
STOT RE	1	H372 Causes damage to organs (central nervous system) through prolonged or repeated exposure.
Aquatic Chronic	2	H411 Toxic to aquatic life with long lasting effects.

2.2 Labelling according to Regulation (EC) Nr. 1272/2008 (CLP)

Pictograms(e)	
Signal word(s)	**Danger**
Hazard warning(s) [H-statements]	H226 Flammable liquid and vapour H304 May be fatal if swallowed and enters airways. H336 May cause drowsiness or dizziness. H372 Causes damage to organs (central nervous system) through prolonged or repeated exposure. H411 Toxic to aquatic life with long lasting effects.
Safety instruction(s) [P-statements]	P102 Keep out of reach of children. P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P260 Do not breathe vapour. P273 Avoid release to the environment. P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER / doctor /… P331 Do NOT induce vomiting. P370_P378a P370 + P378 In case of fire: Use water mist, carbon dioxide, or alcohol-resistant foam to extinguish. P501 Dispose of contents / container in accordance with regional regulations.
Special marking(s) [EUH-Phrases]	EUH066 Repeated exposure may cause skin dryness or cracking.
Contains	hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)

2.3 Other hazards

Persons suffering from allergic reactions to this product should avoid contact with de product.

Results of PBT and vPvB assessment according to Annex XIII of Regulation (EC) No 1907/2006.
PBT: Not applicable vPvB: Not applicable

3. Composition/information on ingredients

3.1 Substances
This product is a mixture, for more see section 3.2.

3.2 Description of the mixture
Mixture of the substances listed below with harmless additions.

Content: 80 % - 100 %

CAS No.: - EG No.: 919-446-0 Index No.: - Reg. No. (REACH): 01-2119458049-33-XXXX	**hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)**	Flam. Liq. 3, H226; STOT RE 1, H372; Asp. Tox. 1, H304; Aquatic Chronic 2, H411; STOT SE 3, H336

Note: H-phrases and abbreviations are detailed in section 16.

4. First aid measures

4.1 Description of first aid measures

General information	Observe the general rules of first aid measures. Refresh occasionally your knowledge. If medical advice is required, have this safety data sheet, the packaging or the label ready.
Following inhalation	Remove affected person from the danger area. Supply fresh air. Loosen restrictive clothing. Place in a resting position. Consult a doctor depending on the symptoms. If not breathing provide immediately artificial respiration and obtain medical treatment. In case of unconsciousness bring person in recovery position and take medical advice.
Following skin contact	Remove contaminated clothing immediately. Wash skin with much water and soap. Consult a doctor depending ond the symptoms, if possible, show this container or label.
Following eye contact	Remove contact lenses if present and if possible. Rinse open eyes for several minutes under running water. Depending on the symptoms (e.g. redness), consult an ophthalmologist.
Following ingestion	Rinse mouth thoroughly with water. Keep airways free. Telephone the emergency number or consult a doctor. If it is possible, present this safety data sheet or product label. In the event of vomiting, keep your head tilted forwards to prevent stomach contents from entering the lungs. Do NOT induce vomiting! H304 May be fatal if swallowed and enters airways.

4.2 Most important symptoms and effects, both acute and delayed
It may, in particular trough prolonged or repeated exposure the following symptoms may occur. Pulmonary oedema. See section 11.

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

5. Firefighting measures

5.1 Extinguishing media
Always adapt firefighting measures to the surroundings and the size of the fire.

Suitable extinguishing media: Water spray jet, Dry powder fire extinguishers, Alcohol-resistant foam, Carbon dioxide
Unsuitable extinguishing media: Full water jet

5.2 Special hazards arising from the substance or mixture
Combustible. Formation of explosive mixtures possible with air. Dangerous vapour, havier than air. Through distribution near the ground, a re-ignition to distant ignition sources is possible. The product floats on the water and does not dissolve.
Formation of toxic gases is possible during heating or in case of fire:
Carbon oxide. Toxic gases.

5.3 Advice for fire-fighters
Do not inhale combustion gases. Wear breathing apparatus with own air supply. Wear full protection depending on fire class. Use water spray to cool endangered containers. Dispose contaminated fire extinguishing water according to official directives.

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures
Keep away from sources of ignition. No smoking. Arrange for sufficient air supply. Avoid eye and skin contact as well as inhalation. Keep away unnecessary people from the scene of an accident; ideally contrary to the wind direction. Danger of slipping.

6.2 Environmental precautions
Do not empty into drains. Prevent surface and ground-water infiltration, as well as ground penetration. Eliminating a leak, if this can done safely. When accidental discharge into channelization has happened, inform the corresponding officials.

6.3 Methods and material for containment and cleaning up
Absorb bigger quantities with fluid-binding material (e.g. universal binder, sand, diatomaceous earth, sawdust) and dispose of according to section 13.

6.4 Reference to other sections
Personal protective equipment see section 8. Waste disposal see section 13.

7. Handling and storage

7.1 Precautions for safe handling
Keep away from sources of ignition – No smoking Avoid inhaling the vapors. Ensure good ventilation. If necessary suction measures at the workplace or on the processing machines required. Take measures against electrostatic charge. Avoid eye and skin contact. Open and handle receptacle with care. Eating, drinking, smoking, as well as food-storage, is prohibited in workspace. Notes note on the packaging and current technical data sheet. Use working methods according to operating instructions.
Wash contaminated clothing before reuse. General hygiene measures for the handling of chemicals are applicable. Wash hands before breaks and after work. Keep away from food, drink and animal feedingstuffs. Take off contaminated clothing and protective equipment before entering eating areas.

7.2 Conditions for safe storage, including any incompatibilities
To avoid the unauthorized and children and kept in a safe place. Keep container tightly closed and in a well-ventilated place. Store only in original container and keep locked up. Follow the particular storage conditions. Do not store together with oxidizing and self-igniting products. Recommendation: Solvent resistant floor. Protect them from direct sunlight and heat. Store in a dry place. Keep cool

7.3 Specific end uses
Solvent - See technical data sheet and the product imprint.

8. Exposure controls/personal protection

8.1 Control parameters

Components with limit values that require monitoring at the workplace: -

MAK = Maximum Workplace Concentration (TLV = Threshold Limit Value)
CH It's a swiss limit, edited by SUVA. If there is no limit from SUVA it's a work place limit (AGW) from Germany or another European state.

8.2 Exposure controls

CAS No.: - EG No.: 919-446-0 Index No.: - Reg. No. (REACH): 01-2119458049-33-XXXX	**hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)** consumer: DNEL: 26 mg/kg [oral, long-term, systemic effects]; consumer: DNEL: 26 mg/kg [dermal exposure route, long-term, systemic effects]; consumer: DNEL: 71 mg/m3 [inhalative, long-term, systemic effects]; employee: DNEL: 330 mg/m3 [inhalative, long-term, systemic effects]; employee: DNEL: 44 mg/kg [dermal exposure route, long-term, systemic effects]

8.2.1 Appropriate engineering controls
Ensure good ventilation, e.g. by local suction, general exhaust air.
Comply with the workplace exposure limits.
If limits can't be adhered to, use appropriate respiratory protection.

8.2.2 Personal protective equipment

General data	Select personal protective equipment according to the CEN standards; discuss protective equipment with the supplier.
Eye/face protection	Tight-fitting protective goggles with side protection shield (EN 166).
Hand-/Body protection	Use chemical-resistant protective gloves according to EN 374.
Protective clothing	Wear suitable protective clothing, e.g long-sleeved clothes and safety shoes according to EN ISO 20345.
Respiratory protection	Use self-contained breathing apparatus. Filter A2 P2 according to EN 14387 (Colour code brown, white). Follow the wear time limits for breathing apparatus.

Hygiene measures	Do not eat, drink or smoke while at work. Wash hands before breaks and after work.
Thermal hazards	Not applicable.

On the basis of the contents and our experience the following non-binding recommendations for the selection of the material of the protective gloves (minimum layer thickness: 0.4 mm):

Recommended glove material:	Flourinated rubber (FKM) Nitrile rubber/Nitrile latex (NBR)
Inappropriate glove material:	Textile Materials

The selection of suitable depends upon the material, and also upon the quality of the gloves. The degree of protection will vary from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the materials used for gloves cannot be predetermined; it is therefore necessary to check this before using the product.
The manufacturer's information on permeability and breakthrough times of the protective gloves must be observed and followed.

8.2.3 Environmental exposure controls
More information that is detailed is not available yet.

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state	Liquid
Colour	colourless, transparent - yellow
Density	Ca. 0.77 g/ml (20°C)
Viscosity	1 mm^2/s (20°C)
Odour	Characteristic
pH-level	Not determined
Melting point/freezing point	Not determined
Initial boiling point/boiling range	135-220°C
Decomposition temperature	Not determined
Rate of evaporation	0.13 (n-butyl acetate = 1)
Flashpoint	>30°C
Auto-ignition temperature	Not determined
Lower explosive limits	0.6 Vol.-%
Upper explosive limits	7.0 Vol.-%
Vapour pressure	< 27 hPa (20°C)
Vapour density (Air = 1)	> 1
Explosive properties	The product is not explosive. In use, may form flammable/explosive vapour-air mixture.
Oxidising properties	Not determined

9.2 Other information

Solubility in / Miscibility with water.	Immiscible with water
Solubility in / Miscibility in	Most of organic solvents
Partition coefficient n-Octanol/Water	Not determined
Conductivity	Not determined
VOC-content (EU)	100%
VOC-content (CH)	100%

10. Stability and reactivity

10.1 Reactivity
The product has not been tested.

10.2 Chemical stability
The product is stable when properly stored and handled.

10.3 Possibility of hazardous reactions
No effects are known if used as intended.

10.4 Conditions to avoid
Heating, open flame, ignition sources.
Electrostatic charge.

10.5 Incompatible materials
Oxidizer

10.6 Hazardous decomposition products
No decomposition if used according to specifications.
In case of fire or extreme heat, see section 5.2.

11. Toxicological information

11.1 Information on toxicological effects

By swallowing:	Harmful to health.
By skin contact:	Degreases the skin and makes it dry and rough. Längerer oder wiederholter Hautkontakt kann zu Dermatitis führen.
Skin sensitisation:	No sensitisation reactions have been observed.
Experience on humans:	Inhalation headaches, dizziness, fatigue, nausea and vomiting. Even the smallest amounts that enter the lungs when swallowed or during subsequent vomiting can lead to pulmonary oedema or pneumonia.

11.2. Toxicological information of hazardous ingredients

CAS No.: - EG No.: 919-446-0 Index No.: - Reg. No. (REACH): 01-2119458049-33-XXXX	**hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)** acute toxicity: LD50: >15‘000 mg/kg [oral, rat, OECD 401, analogy reasoning]; acute toxicity: >3‘400 mg/kg [dermal exposure route, rat, OECD 402, analogy reasoning]; corrosive/irritant effect on the skin: non-irritant [OECD 404, analogy reasoning]; leichte Augenreizung: [OECD 405, Analogie]; skin sensitisation: no [OECD 406, analogy reasoning]; Degreases the skin and makes it dry and rough. Längerer oder wiederholter Hautkontakt kann zu Dermatitis führen. symptoms: headaches, dizziness, fatigue, nausea and vomiting. Even the smallest amounts that enter the lungs when swallowed or during subsequent vomiting can lead to pulmonary oedema or pneumonia.

12. Ecological information

12.1 Toxicity

The product/mixture is classified as dangerous for the environment. The product/mixture is classified as hazardous to the aquatic environment – chronic.	
Aquatic toxicity Germany (Self-classification)	WGK 2 Clearly hazardous to water

12.2 Persistence and degradability
The product is biodegradable.
The product floats on the water and does not dissolve.
The product evaporates easily - even from the water surface.

12.3 Bioaccumulative potential

Partition coefficient n-octanol/water	

12.4 Mobility in soil
The product evaporates easily - even from the water surface.

12.5 Results of PBT and vPvB assessment
See section 2.3.

12.6 Other adverse effects
Do not allow product to reach ground water, water course or sewag system.

12.7 Additional ecotoxicological information

CAS No.: - EG No.: 919-446-0 Index No.: - Reg. No. (REACH): 01-2119458049-33-XXXX	**hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)** acute toxicity, fish: LL50: 10-30 mg/l/96h [Oncorhynchus mykiss (rainbow trout)]; acute toxicity, daphnia: EL50: 10-22 mg/l/48h [Daphnia magna, large water flea]; acute toxicity, algae: EL50: 4.6-10 mg/l/72h [Pseudokirchneriella subcapitata (green algae)]; acute toxicity, algae: NOELR: 1 mg/l/72h [Pseudokirchneriella subcapitata (green algae)]; LOEC: 0.203 mg/l/21d [Daphnia magna, large water flea]; NOEC: 0.097 mg/l/21d [Daphnia magna, large water flea]

13. Disposal considerations

13.1 Waste treatment methods

Waste disposal according to official state regulations.

Waste treatment options: 07 01 04 – Other organic solvents, washing liquids and mother liquors 14 06 03 – Other solvents and solvent mixtures
Contaminated packages: Disposal must be made according to official regulations. If possible empty packaging completely. Packagings that cannot be cleaned are to be disposed off in the same manner as the product. Uncontaminated and cleaned packaging can be recycled. Uncleaned container do not perforate, cut up or weld. Residues may cause an explosion hazard. 15 01 01 – Paper and cardboard packaging. 15 01 04 – Metallic packaging.
The waste code numbers mentioned are recommendations based on the probable use of the product. The particular application and local disposal situation obtaining for the user may lead to other waste codes being assigned as well.

14. Transport information

14.1 UN-Number:
ADR, RID, ADN, IMDG, IATA: **UN 1300**

14.2 UN proper shipping name
ADR, RID: UN 1300 TURPENTINE OIL SUBSTITUTE,
IMDG, IATA: FLAMMABLE LIQUID, N.O.S. (TURPENTINE SUBSTITUTE)

14.3 Transport hazard class(es):

ADR, RID, ADN, IMDG, IATA: 3

Flammable liquids
Flammable liquids

14.4 Packing group:
ADR, RID, ADN, IMDG, IATA: III

14.5 Enviromental hazards:

Dangerous to the environment: Yes
Marine pollutant: Yes

14.6 Special precautions for user:

Kemmler number:	30
EMS number:	F-E, S-E

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code: Not applicable, because of general cargo and not bulk cargo.

14.8 Additional information:

ADR / RID: LQ – Limited Quantities:	1 L
ADR / RID: Tunnel restriction code:	D/E
UN "Model Regulation":	UN1300, FLAMMABLE LIQUID liquid, 3, III

15. Regulatory information

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

Classification and labelling see section 2.
Classification of the preparation has been done by calculation or based on studies/test on the product itself or experience with similar mixtures.

Further national and further regulations, limitations and legal requirements

Water hazard class (WGK) see section 12.1.
Observe employment restrictions for young people (CH: SR 822.115).
Chemicals regulation (ChemV), ordinance on chemicals risk reduction (ChemRRV), Luftreinhalte-Verordnung (LRV), Ordinance on protection against major accidents (StFV), professional association principles/industrial medicine regulations

15.2 Chemical Safety Assessment
A chemical safety assessment is not provided for mixtures.

16. Other information

Hazards used in the document (H-phrases):

H226 Flammable liquid and vapour
H304 May be fatal if swallowed and enters airways.
H336 May cause drowsiness or dizziness.
H372 Causes damage to organs (central nervous system) through prolonged or repeated exposure.
H411 Toxic to aquatic life with long lasting effects.
EUH066 Repeated exposure may cause skin dryness or cracking.

Other recommended sources for more information:
- Federal Office of Public Health (Switzerland): www.bag.admin.ch (German/French/Italian/English)

List of relevant abbreviations that may be used in the document:

Abbreviation	Full text / Meaning
ADR	Accord européen realtif au transport international des marchandises Dangereuses par Route (= European agreement concerning the international carriage of dangerouse goods by road)
AGW, Spb.-Üf.	AGW = Arbeitsplatzgrenzwert (occupational limit value), Spb.-Üf. = Spitzenbegrenzung (peak limit) – Überschreitungsfaktor (exceedance factor) (1 bis 8) and category (I, II) for short-term values (TRGS 900, germany)
AOEL	Acceptable Operator Exposure Level
Aquatic Acute	Hazardous to the aquatic environment - Acute
Aquatic Chronic	Hazardous to the aquatic environment – Chronic
Asp. Tox.	Aspiration hazard (Danger when inhaling)
ATE	Acute Toxicity Estimates
BAG	Office for health (Bundesamt für Gesundheit, Schweiz)
BAT	Biological tolerance values at the workplace (Biologische Arbeitsstofftoleranzwerte, Schweiz)
BG	Trade association (Berufsgenossenschaft)
BGR	Trade association regulations (Berufsgenossenschaftliche Regeln)
BGV	Trade association regulations (Berufsgenossenschaftliche Vorschrift)
Carz.	Carcinogenic substance
CAS-Nr.	Chemical Abstracts Service
CH	Swiss confederation (from the latin Confoederatio Helvetica)

CH: MAK:	Swiss limit of maximum allowable concentration, issued by the swiss accident insurance fund. (Schweizerischen Unfallversicherungsanstalt (SUVA)
CLP	Classification, Labelling and Packaing (REGULATION (EG) Nr. 1272/2008)
CPID	Chemical Product IDentification.
DMEL	Derived Minimum Effect Level
DNEL	Derived No Effect Level
EG-Nr.	Substances of the EC material inventory, consisting of 7 digits (Syntax: XXX-XXX-X). Comprises waste materials (EINECS), new substances (ELINCS) as well as the No-Longer-Polymers-Liste (NLP-Liste).
EINECS	European Inventory of Existing Commercial Chemical Substances
ELINCS	European List of Notified Chemical Substances
Eye Irrit.	Eye irritant, depending on the category Eye irritation possible to serious eye damage.
Flam. Gas	Flammable gas
Flam. Liq.	Flammable liquid
Flam. Sol.	Flammable solid
GHS	Globally Harmonized System of Classification and Labelling of Chemicals
IATA	International Air Transport Association
IMDG-Code	International Maritime Code for Dangerous Goods
Index-Nr.	Indexation of dangerous substances of appendix 5 in the VO(EG)1272/2008 (or annex I of directive 67/548/EWG) with the following syntax: XXX-XXX-XX-X
LC	Lethal concentration
LD	Lethal (fatal) dose
LD50	Lethal dose, 50%
Met. Corr.	On metal corrosive acting substance or mixture
Muta.	Substance with germ cell mutagenicity
NOAEL	No Observed Adverse Effect Level
NOEC	No Observed Effect Concentration
NOEL	No Observed Effect Level
Ozone	Hazardous for the ozone layer
PBT	Persistent, bioaccumulative, and toxic
PNEC	Predicted No Effect Concentration
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals (Verordnung (EG) Nr. 1907/2006 zur Registrierung, Bewertung, Zulassung und Beschränkung chemischer Stoffe)
Repr.	Reproductive toxicity
Resp. Sens.	Sensitising for respiratory tract
SCL	Specific concentration limits
Skin Irrit.	Skin irritant – corrosive/irritant to skin
Skin Sens.	Sensitising for the skin
STOT RE	Specific target organ toxicity – repeated exposure
STOT SE	Specific target organ toxicity – single exposure
TRGS	Technical rules on hazardous substances
VOC	Volatile organic compounds
VOCV	VOC-regulation (Swiss)
vPvB	Very persistent and very bioaccumulative

Department issuing data specification sheet: See section 1.3.
This safety data sheet replaces all previous versions.

Disclaimer: The specifications rest on the today's stand of our knowledge. It does not constitute a legally binding assurance of specific product properties.

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