

Safety Data Sheet

Conforms to Regulation (EU) 2015/830 of the Committee of 28 May 2015 amending Regulation (EC) no. 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

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SOLVEWAY

Section 1 IDENTIFICATION OF THE MIXTURE AND COMPANY

1.1. Product identifier

Name: SOLVEWAY
Manufacturer code: 302040-EN
Nomenclature code: 9509_045.20

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

Anti-graffiti solvent
See the label for more information.

1.3. Information concerning the supplier of the safety data sheet

Corporate name: HTS BIO Laboratories
Address: 180-210 avenue de la Roque Forcade
13420 GEMENOS FRANCE
Telephone: +33 4 42 32 00 20
Fax: +33 4 42 32 06 41
Email: contact@htsbio.com
Website: www.htsbio.com

1.4. Emergency telephone number

Poison Control Centre FR: + 33 (0)1 45 42 59 59, BE: + 32 (0)70 245 245
Company/body: INRS

Section 2 IDENTIFICATION OF HAZARDS

2.1. Classification of the substance or mixture

2.1.1. In accordance with regulation (EC) no. 1272/2008 and its adaptations

Not classified

2.2. Label elements

2.2.1. In accordance with regulation (EC) no. 1272/2008 and its adaptations

None

2.2.2. Warning message

None

2.2.3. Product identifier

Contains no ingredient contributing to a hazard

2.2.4. Hazard statements and additional information about hazards

2.2.5. Safety precautions

None

2.3. Other hazards

No other hazard identified in the present state of our knowledge.

Section 3 COMPOSITION/INFORMATION ABOUT THE COMPONENTS

3.1. Substances:

3.2. Mixtures:

Identification	(CE) 1272/2008	Nota	%
Inci: 3-butoxypropan-2-ol Iupac: 3-butoxypropan-2-ol CAS: 5131-66-8 CE: 225-878-4 ID: N/D N° REACH: 01-2119475527-28	Skin Irr. 2, H315 Eye Irrit. 2, H319		>= 5% & < 10%
Inci: terpineol Iupac: terpineol CAS: 8000-41-7 CE: 232-268-1 ID: N/D N° REACH: 01-2119553062-49	Skin Irr. 2, H315 Eye Irrit. 2, H319		>= 1% & < 5%
[1]: Substance for which exist exposure value limits in the workplace			

The other components of this mixture are not classified according to the CLP criteria and/or Directive 67/548/EC or are present in concentrations below the threshold values.

3.3. Substances that are subject of exposure limit values at the workplace:

Refer to paragraph 8

Section 4 FIRST AID

Generally, in case of doubt or if the symptoms persist, always call a doctor.

If the person is unconscious, place in the security recovery position.

NEVER give anything by mouth to an unconscious person.

Turn on side a person lie on his back, who is vomiting.

4.1. Description of first aid:

4.1.1. In case of inhalation:

In case of massive inhalation, move the victim to fresh air.

No adverse effects anticipated by this route of exposure incidental to proper industrial handling.

4.1.2. In case of splashing or contact with eyes:

Rinse the eye thoroughly with lukewarm water (20 to 25 ° C), soft and clean (or with physiological saline), for at least 15 minutes, keeping the eyelids open. Avoid splashing towards the unaffected eye (e.g. using a compress). Water always flows from the nose to the ear. Move the eye in all directions when rinsing.

Take out contact lenses if the victim wears lenses and if it is possible to take them out of the eyes easily. Continue to rinse.

If eye irritation persists, or in case of new symptoms (pain, visual discomfort), consult an ophthalmologist.

4.1.3. In case of contact with skin:

If skin irritation persists, or in case of allergic manifestation, consult a specialist doctor.

4.1.4. In case of ingestion:

Rinse mouth.

Do not induce vomiting, rinse mouth.

Consult a doctor immediately.

Bring to the free air in case of massive inhalation. Keep him in a warm place and at rest. Consult a doctor.

4.2. Main symptoms and effects, both acute and delayed:

The main known symptoms and effects are described on the labeling (see section 2.2) and / or in section 11.

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

Seek advice from a poison control centre or a toxicologist.

Consult your doctor and show this safety data sheet.

Section 5 FIRE-FIGHTING MEASURES

5.1. Extinguishing agents

All extinguishing agents are authorized: foam, sand, carbon dioxide, water, powder.

Extinguishing media which must not be used: Water jet (risk of fire spreading)

5.2. Special hazards arising from the substance or mixture:

Possibly, and because of the presence of organic matter, a fire could produce a thick black smoke. The exposure to the products of decomposition could involve health risks.

Do not breathe fumes.

5.3. Advice for fire-fighters:

Full protective clothing.

Wear self-contained respiratory protective device (insulating stand-alone respiratory protective device).

Cool the containers exposed to fire by spraying water.

Avoid spraying water directly on the storage tank to avoid any spillover of the product.

Do not allow extinguishing water to enter sewers and waterways. To be treated as hazardous waste.

Consider the residues of extinguishing media as dangerous products. Dispose of them according to the indications in section 13.

Take measures against electrostatic charges.

Section 6 MEASURES IN CASE OF ACCIDENTAL SPILLAGE

6.1. Personal precautions, protective equipment and emergency procedures:

6.1.1. For non-rescuers:

- Avoid contact with the eyes.
- Alert / evacuate people in the immediate area.
- Shut off the source of the spill.
- Isolate the contaminated area.
- Put on personal protective equipment (see section 8).
- Refer to section 6.3 for methods of containment and cleaning up.
- In the event of a sign of seriousness, alert the emergency services.

6.1.2. For rescuers:

- Responders will be equipped with personal protective equipment (see section 8).

6.2. Precautions for environmental protection:

- Contain and collect leaks with non-combustible absorbent materials, for example : sand, soil, vermiculite, diatomaceous earth in drums for disposal of waste.
- Prevent any entry into waterways, sewers, basements or confined spaces.

6.3. Methods and material for containment and cleaning up:

- Stop the leak if it can be done without risk.
- Do not walk in or touch the spilled product.
- Prevent any entry into waterways, sewers, basements or confined spaces.
- Collect the liquid using an absorbent product (sand, kieselguhr, neutralizing acid, universal binder, sawdust, soil, etc.) in drums for disposal of waste.
- Use clean tools to collect the absorbed product.

6.4. Reference to other sections:

- Refer to section 8 for PPE.
- Refer to section 4 for first aid measures.
- Refer to section 5 for fire fighting measures.
- Refer to section 13 for management of contaminated absorbents.

Section 7 HANDLING AND STORAGE

7.1. Precautions for safe handling:

- Handle in well-ventilated areas.
- Never open the packaging by applying pressure.
- Wear the personal protective equipment indicated in section 8.
- Do not swallow.
- Avoid contact with eyes, skin and clothing.

7.1.1. Fire prevention:

- Observe storage compatibility (see paragraph 7.2).

7.1.2. Environmental Protection :

- Avoid contamination of sewers.
- Do not discharge into waste water or watercourses.

7.1.3. Work hygiene instructions:

- Wash hands after each use, and before eating, drinking or smoking.
- It is prohibited to smoke, eat or drink on the premises where the preparation is used.
- Do not wear soiled work clothes in places such as offices, seminar rooms, relaxation areas, company restaurants or cafeteria.
- Change work clothes frequently and wash them before reuse, especially if they have been contaminated with dangerous chemicals.
- Store work clothes separate from street clothes.

7.2. Pre-requisites to ensure the safety of the storage, taking into account any possible incompatibilities:

7.2.1. Storage

- Store hermetically closed in a dry, well-ventilated and cool place.
- Store in the original container.
- Keep away from food and drink, including those for animals.
- Keep out of reach of children.
- Respect the expiration date indicated on the packaging.
- Store away from all sources of heat and incompatible materials (see section 10).
- Controlled and limited access (keep locked). Avoid the presence of piping in the room. Control the humidity.
- The opened packaging must be carefully closed and kept in the vertical position.
- Store safe from frost.

7.2.2. Materials recommended:

- Use only specially approved packaging for material / product.
- Store in the original container.

7.2.3. Inadvisable material:

- None

7.3. Specific end use(s):

- Refer to the label and the technical data sheet.
- Do not mix different cleaners.

Section 8 EXPOSURE CONTROL /INDIVIDUAL PROTECTION

8.1. Control parameters:

8.1.2. Occupational exposure limit values :

Components showing threshold values to be monitor through a workstation:

None

8.2. Exposure controls:

8.2.1. Appropriate technical controls:

Use clean and properly maintained personal protective equipment. Check condition before use.

Store personal protective equipment in a clean place, away from the work area.

Ensure adequate ventilation, if possible, by aspiration to workstations and extraction generally suitable.

If the ventilation is inadequate to maintain concentrations of solvent vapors in the exposure limits, wear breathing apparatus.

Maintaining local and workstations in a perfect state of cleanliness, clean them frequently.

8.2.2. Personal protection measures:

Personal protective equipment (PPE) must be worn in addition to the collective protection equipment put in place (section 7).

For fire-specific personal protective equipment, see section 5.

8.2.3. Protection of eyes and face:

Avoid contact with eyes.

Wearing glasses does not constitute protection.

8.2.4. Protection of hands:

Use solvent resistant gloves.

8.2.5. Protection of skin:

8.2.6. Respiratory Protection:

When workers are facing concentrations above the exposure limit, they must wear appropriate and approved masks (with adapted cartridge).

Section 9 CHEMICAL AND PHYSICAL PROPRIETES

CHEMICAL AND PHYSICAL PROPRIETES

Information on basic physical and chemical properties:

Physical state: LIQUID

Aspect: Clear liquid

Colour: Transparent

Odour : characteristic fragrance

Density: 0.985 - 1.005

PH of the preparation: 2.4 - 3.4

Viscosity: 0 - 20 cP (19-21°C)

Boiling point/interval: N/D

Melting point/interval: N/D

Auto-ignition temperature: N/D

Decomposition point/interval: N/D

Flash point interval: N/D

Vapour pressure: N/D

diluted pH of the preparation: N/D

Other information:

Water solubility (g/L): N/D

Maximum VOC content: 59.08 %

Bulk density: N/D

Section 10 STABILITY AND REACTIVITY

10.1. Reactivity:

No hazardous reactions if used as prescribed and stored as per the recommendations of section 7.

Dangerous reaction with bleach (sodium hypochlorite) with formation of chlorine gas, product highly toxic.

10.2. Chemical stability:

Thermally stable at typical temperatures of use and storage (see section 7).

At extreme temperatures (<5 ° C or> 35 ° C) or under significant UV exposure, the properties of the product may be impaired.

10.3. Possibility of hazardous reactions:

Dangerous reaction with bleach (sodium hypochlorite) with formation of chlorine gas, product highly toxic.

10.4. Conditions to be avoided:

Do not mix with other products.

10.5. Incompatible materials:

10.6. Hazardous decomposition products:

Hazardous decomposition products are not expected to form under normal storage conditions.

Thermal decomposition products / combustion products: see section 5.

Above the flashpoint, an explosive mixture can be formed.

Section 11 TOXICOLOGICAL INFORMATIONS

11.1. Information on toxicological effects:

11.1.1. Substances:

Not concerned

11.1.2. Mixtures:

The product has not been tested. The toxicological data is deduced from the properties of different constituents.

11.1.2.1. Acute toxicity

Based on available data, the criteria for classification of acute toxicity are not met
Toxicity of raw materials:

IUPAC name	CAS number	EC number	DL50 oral (mg/Kg)	DL50 dermal (mg/Kg)	LC50 inhalation	Specie	Time (h)
3-butoxypropan-2-ol	5131-66-8	225-878-4	3300	-	-	Rat	NC
3-butoxypropan-2-ol	5131-66-8	225-878-4	-	2001	-	Rat	NC
3-butoxypropan-2-ol	5131-66-8	225-878-4	-	-	3.5 mg/L (vapor)	Rat	NC
terpineol	8000-41-7	232-268-1	4300	-	-	Rat	NC
terpineol	8000-41-7	232-268-1	-	2001	-	Rat	NC

11.1.2.2. Skin corrosion / skin irritation

Not classified vis-à-vis the irritation under the CLP Regulation 1278/2008.

11.1.2.3. Serious eye damage / eye irritation

Not classified vis-à-vis the corrosivity under the CLP Regulation 1278/2008.

11.1.2.4. Respiratory or skin sensitization

Not classified vis-à-vis the creation of awareness under the CLP Regulation 1278/2008.

11.1.2.5. Carcinogenicity

Not classified vis-à-vis the carcinogenicity under the CLP Regulation 1278/2008.

11.1.2.6. Germ cell mutagenicity

Not classified vis-à-vis the mutagenicity under the CLP Regulation 1278/2008.

11.1.2.7. Reproductive toxicity

Not classified vis-à-vis the reproductive toxicity under the CLP Regulation 1278/2008.

11.1.2.8. Specific toxicity for target organ only - single exposure

Not classified with regard to specific toxicity for certain target organs - single exposure within the meaning of CLP regulation 1272/2008.

11.1.2.9. Specific toxicity for target organ only - repeated exposure

Not classified with regard to specific toxicity for certain target organs - repeated exposure within the meaning of CLP regulation 1272/2008.

11.1.2.10. Aspiration hazard

Not classified as regards aspiration hazard within the meaning of CLP regulation 1272/2008.

11.1.2.11. Interactive effects

No significant interactive effects or critical hazards known for this mixture.

11.1.3. Other toxicity information

Respiratory irritation, nausea, dizziness and disorders of consciousness. Depression of the central nervous system with headache and drowsiness. The latter generally decline at the end of the exposure.
Contains a solvent, emits high concentrations vapors if it is heated.

Section 12 ECOLOGICAL INFORMATION

Avoid release to the environment.

12.1. Toxicity:

Not classified with regard to the danger for the aquatic environment within the meaning of the CLP regulation 1272/2008.

12.1.1. Substances:

Ecotoxicity of raw materials contained in the formulation:

IUPAC name	CAS number	EC number	CL(E) 50	Specie	Time (h)
3-butoxypropan-2-ol	5131-66-8	225-878-4	560	Fish	96
3-butoxypropan-2-ol	5131-66-8	225-878-4	1001	Daphnia	48
terpineol	8000-41-7	232-268-1	62-80	Fish	96
terpineol	8000-41-7	232-268-1	73	Daphnia	48
terpineol	8000-41-7	232-268-1	68	Green algae	72

12.1.2. Mixtures:

No aquatic toxicity data is available on the mixture.

12.2. Persistence and degradability:

Degradability data of the raw materials contained in the formulation:

IUPAC name	CAS number	EC number	Conclusion degradability
3-butoxypropan-2-ol	5131-66-8	225-878-4	The substance is considered to be easily degraded
terpineol	8000-41-7	232-268-1	The substance is considered to be easily degraded

12.3. Bioaccumulative potential:

Bioaccumulation data of the raw materials contained in the formulation:

IUPAC name	CAS number	EC number	Partition coefficient n-octanol / water (Log Pow)	Bio-concentration factor (BCF)	Interpretation bioaccumulation
3-butoxypropan-2-ol	5131-66-8	225-878-4	1.2	0	Non-bioaccumulative substance

No bioaccumulation data is available on the mixture.

12.4. Mobility in soil:

No additional data available.

12.5. Results of PBT and vPvB evaluations

The substances in this mixture have not been evaluated for persistence, bioaccumulation and toxicity (PBT). No specific data is available for the evaluation of the mixture.

12.6. Other adverse effects:

No additional data available.

Section 13 CONSIDERATIONS RELATING TO DISPOSAL:

Appropriate waste management of the mixture and / or its container must be determined in accordance with the provisions of Directive 2008/98 / EC.

Respect your discharge convention and the ICPE (facilities classified for environmental protection) regulations.

13.1. Waste treatment methods:

13.1.1. Waste:

Recycle or dispose in accordance with the laws in force, preferably by a collector or an approved company.
Do not discharge the product in drains or waterways.

13.1.2. Soiled Packaging:

Empty the container completely. Keep the label(s) on the container.
Do not reuse the packaging.

13.1.3. Waste codes:

07 06 01 aqueous washing liquids and mother liquors

15 01 02 plastic packaging

20 01 13 * solvents

The following regulations have been taken into account:

- Directive 2008/98 / EC relating to waste
- Decision 2014/955 / EU listing the waste referred to in article 7 of directive 2008/98 / EC
- Regulation (EU) N ° 1357/2014 replacing Annex III of Directive 2008/98 / EC (Properties which make waste hazardous)

Section 14 TRANSPORT INFORMATION

In accordance with the ADR requirements:

14.1. UN Number:

None

14.2. UN shipping name:

None

14.3. Hazard class(es) for transport:

None

14.4. Packaging group:

None

14.5. Hazards for the environment:

None

14.6. Special precautions for user:

Handling precautions: refer to point 7.1.

None

14.7. Transportation in bulk according to Annex II of MARPOL 73/78 Convention and IBC Code:

Not applicable

14.8. List of materials subject to ADR regulation

None

Section 15 REGULATORY INFORMATION

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

15.1.1. Information relating to the classification and labelling as given in Section 2

The following regulations have been taken into consideration:

- Regulation (EC) No. 1272/2008 amended by Regulation (EU) No. 2019/521 (ATP 12)

15.1.2. Detergent composition (EC Regulation 648/2004 and 907/2006):

Scent; limonene.

15.1.3. Nomenclature of classified installations:

2630 - Manufacture of or based on detergents and soaps

No additional data available.

15.1.4. Occupational diseases according to the Labour Code (Source: INRS):

General Scheme Table 4BIS: Gastrointestinal disorders caused by benzene, toluene, xylenes and all products containing

General Plan Table 84: disorders caused by liquid organic solvents for professional use: aliphatic or cyclic saturated or unsaturated liquid hydrocarbons and mixtures thereof; liquid halogenated hydrocarbons; nitrates aliphatic hydrocarbons; alcohols, glycols, glycol ethers; ketones; aldehydes; aliphatic and cyclic ethers, including tetrahydrofuran it; esters; dimethylformamide and dimethylacetamide; acetonitrile and propionitrile; pyridine; dimethyl sulfone and dimethylsulfoxide.

15.1.5. Biocide statement

Not concerned

15.1.6. SVHC substances:

The mixture does not contain 'Substances of very high concern' (SVHC) > = 0.1% published by the European Chemicals Agency (ECHA) by: [l'article 57 du REACH](#).

15.2. Assessment of chemical safety

No chemical safety assessment has been carried out by the supplier for the mixture.

The information from the assessment of chemical safety of the substances present in the product is included in the appropriate sections of this Safety Data Sheet, wherever necessary.

Section 16 OTHER INFORMATION

16.1. Wording of the phrases mentioned in paragraph 3:

SGH07 Exclamation mark

H315 Causes skin irritation.

H319 Causes serious eye irritation.

(CE) 1272/2008

SGH07 Exclamation mark

H315 Causes skin irritation.

H319 Causes serious eye irritation.

16.2. Abbreviations and acronyms

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road

IMDG: International Maritime Dangerous Goods.

IATA: International Air Transport Association.

ICAO: International Civil Aviation Organization.

RID: Regulations concerning the International carriage of Dangerous goods by rail.

LC50: Lethal concentration that causes 50% mortality in the population of organisms studied, for a given time, by single dose.

LD 50: Lethal dose causing 50% mortality in the population of organisms studied, for a given time, by single dose.

ETA = Estimated Acute Toxicity

AISE = International Association of Soap, Detergent and Maintenance Products

CLP = Regulation 1272/2008/EC on the classification, labelling and packaging of substances and mixtures

ELV : Exposure limit value

TWA: time weighted average at the workplace

16.3. Modifications

No modifications

16.4. Bibliographical references:

None

This sheet complements the technical instructions for use but it does not replace them. The information that it contains is based on the actual state of our knowledge pertaining to the product concerned, on the date of update. It is provided in good faith. The attention of the users is also drawn to the risks possibly incurred when a product is used for purposes other than those for which it is intended. It does not, in any way, exempt the user from knowing and applying the texts regulating its activity. The user should take the precautions related to the use that he/she makes of the product, known to it, under his/her sole responsibility. All the mentioned regulatory requirements merely intended to help the recipient to fulfil the obligations incumbent upon him/her when using a hazardous product. This list should not be considered exhaustive. It does not exempt the user from ensuring that no other obligations are incumbent upon him/her owing to the texts other than those cited and govern the possession and use of the product, for which he/she is solely responsible. The information provided in this sheet is required under the order of 21/02/90 and must be regarded as a description of the safety requirements relating to our product and not as a guarantee of the properties of the same.

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