

Safety data sheet

acc. to Safe Work Australia - Code of Practice



2-Methyltetrahydrofuran SOLVAGREEN® ≥99 %, extra pure

article number: **6845**
Version: **GHS 1.0 en**

date of compilation: 2021-04-28

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

1.1 Product identifier

| | |
|---------------------------------|--------------------------------------------------------------|
| Identification of the substance | 2-Methyltetrahydrofuran SOLVAGREEN® ≥99 %, extra pure |
| Article number | 6845 |
| CAS number | 96-47-9 |

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

| | |
|---------------------------|---------------------------------------------------------------------------------------------------------------|
| Relevant identified uses: | Laboratory chemical Laboratory and analytical use |
| Uses advised against: | Do not use for products which come into contact with foodstuffs. Do not use for private purposes (household). |

1.3 Details of the supplier of the safety data sheet

Carl Roth GmbH + Co KG
Schoemperlenstr. 3-5
D-76185 Karlsruhe
Germany

Telephone: +49 (0) 721 - 56 06 0
Telefax: +49 (0) 721 - 56 06 149
e-mail: sicherheit@carlroth.de
Website: www.carlroth.de

Competent person responsible for the safety data sheet: :Department Health, Safety and Environment

e-mail (competent person): sicherheit@carlroth.de

1.4 Emergency telephone number

| Name | Street | Postal code/city | Telephone | Website |
|------------------------------------------------------|-----------------|--------------------|-----------|---------|
| NSW Poisons Information Centre Childrens Hospital | Hawkesbury Road | 2145 Westmead, NSW | 131126 | |

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification acc. to GHS

| Section | Hazard class | Category | Hazard class and category | Hazard statement |
|---------|-----------------------------------|----------|---------------------------|------------------|
| 2.6 | Flammable liquid | 2 | Flam. Liq. 2 | H225 |
| 3.10 | Acute toxicity (oral) | 4 | Acute Tox. 4 | H302 |
| 3.2 | Skin corrosion/irritation | 2 | Skin Irrit. 2 | H315 |
| 3.3 | Serious eye damage/eye irritation | 1 | Eye Dam. 1 | H318 |

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Supplemental hazard information

| Code | Supplemental hazard information |
|--------|---------------------------------|
| EUH019 | may form explosive peroxides |

For full text of abbreviations: see SECTION 16

The most important adverse physicochemical, human health and environmental effects

The product is combustible and can be ignited by potential ignition sources.

2.2 Label elements

Labelling

Signal word

Danger

Pictograms

GHS02, GHS05,
GHS07



Hazard statements

H225 Highly flammable liquid and vapour
H302 Harmful if swallowed
H315 Causes skin irritation
H318 Causes serious eye damage

Precautionary statements

Precautionary statements - prevention

P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking
P233 Keep container tightly closed
P280 Wear protective gloves

Precautionary statements - response

P302+P352 IF ON SKIN: Wash with plenty of soap and water
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P370+P378 In case of fire: Use sand, carbon dioxide or powder extinguisher for extinction

Precautionary statements - storage

P403+P235 Store in a well-ventilated place. Keep cool

Precautionary statements - disposal

P501 Dispose of contents/container to industrial combustion plant

Supplemental hazard information

EUH019 May form explosive peroxides.

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2.3 Other hazards

Results of PBT and vPvB assessment

According to the results of its assessment, this substance is not a PBT or a vPvB.

SECTION 3: Composition/information on ingredients

3.1 Substances

| | |
|-------------------|----------------------------------|
| Name of substance | 2-Methyltetrahydrofuran |
| Molecular formula | C ₅ H ₁₀ O |
| Molar mass | 86.14 g/mol |
| CAS No | 96-47-9 |

To stabilise:

| Name of substance | Identifier | Wt% | Classification acc. to GHS | Pictograms |
|--------------------------|--------------------|-------|----------------------------|------------|
| Butylated hydroxytoluene | CAS No 128-37-0 | < 0.1 | | |

For full text of abbreviations: see SECTION 16

SECTION 4: First aid measures

4.1 Description of first aid measures



General notes

Take off contaminated clothing.

Following inhalation

Provide fresh air. In all cases of doubt, or when symptoms persist, seek medical advice.

Following skin contact

Rinse skin with water/shower. In case of skin irritation, consult a physician.

Following eye contact

In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist.

Following ingestion

Rinse mouth with water (only if the person is conscious). Call a doctor.

4.2 Most important symptoms and effects, both acute and delayed

Irritation, Risk of serious damage to eyes, Risk of blindness, Vomiting, Headache, Cough, Dyspnoea, Drowsiness, Narcosis, Unconsciousness

4.3 Indication of any immediate medical attention and special treatment needed

none

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SECTION 5: Firefighting measures

5.1 Extinguishing media



Suitable extinguishing media

co-ordinate firefighting measures to the fire surroundings
water spray, alcohol resistant foam, dry extinguishing powder, BC-powder, carbon dioxide (CO₂)

Unsuitable extinguishing media

water jet

5.2 Special hazards arising from the substance or mixture

Combustible. In case of insufficient ventilation and/or in use, may form flammable/explosive vapour-air mixture. Solvent vapours are heavier than air and may spread along floors. Places which are not ventilated, e.g. unventilated below ground level areas such as trenches, conduits and shafts, are particularly prone to the presence of flammable substances or mixtures. Vapours are heavier than air, spread along floors and form explosive mixtures with air. Vapours may form explosive mixtures with air.

Hazardous combustion products

In case of fire may be liberated: Carbon monoxide (CO), Carbon dioxide (CO₂)

5.3 Advice for firefighters

In case of fire and/or explosion do not breathe fumes. Fight fire with normal precautions from a reasonable distance. Wear self-contained breathing apparatus.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures



For non-emergency personnel

Use personal protective equipment as required. Avoid contact with skin, eyes and clothes. Do not breathe vapour/spray. Avoidance of ignition sources.

6.2 Environmental precautions

Keep away from drains, surface and ground water. Danger of explosion.

6.3 Methods and material for containment and cleaning up

Advice on how to contain a spill

Covering of drains.

Advice on how to clean up a spill

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents).

Other information relating to spills and releases

Place in appropriate containers for disposal. Ventilate affected area.

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6.4 Reference to other sections

Hazardous combustion products: see section 5. Personal protective equipment: see section 8. Incompatible materials: see section 10. Disposal considerations: see section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Provision of sufficient ventilation.

Measures to prevent fire as well as aerosol and dust generation



Keep away from sources of ignition - No smoking.

Take precautionary measures against static discharge. Due to danger of explosion, prevent leakage

of vapours into cellars, flues and ditches.

Advice on general occupational hygiene

Wash hands before breaks and after work. Keep away from food, drink and animal feedingstuffs. When using do not smoke.

7.2 Conditions for safe storage, including any incompatibilities

Keep container tightly closed.

Incompatible substances or mixtures

Observe hints for combined storage.

Protect against external exposure, such as

UV-radiation/sunlight, contact with air/oxygen

Consideration of other advice:

Ground/bond container and receiving equipment.

Ventilation requirements

Use local and general ventilation.

Specific designs for storage rooms or vessels

Recommended storage temperature: 15 – 25 °C

7.3 Specific end use(s)

No information available.

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SECTION 8: Exposure controls/personal protection

8.1 Control parameters

National limit values

Occupational exposure limit values (Workplace Exposure Limits)

Data are not available.

Human health values

| Relevant DNELs and other threshold levels | | | | |
|-------------------------------------------|-------------------------|------------------------------------|-------------------|----------------------------|
| Endpoint | Threshold level | Protection goal, route of exposure | Used in | Exposure time |
| DNEL | 200.2 mg/m ³ | human, inhalatory | worker (industry) | chronic - systemic effects |
| DNEL | 200.2 mg/m ³ | human, inhalatory | worker (industry) | acute - systemic effects |
| DNEL | 30.52 mg/kg bw/day | human, dermal | worker (industry) | chronic - systemic effects |
| DNEL | 30.52 mg/kg bw/day | human, dermal | worker (industry) | acute - systemic effects |

| Relevant DNELs of components of the mixture | | | | | | |
|---------------------------------------------|----------|-----------|-----------------------|------------------------------------|-------------------|----------------------------|
| Name of substance | CAS No | End-point | Threshold level | Protection goal, route of exposure | Used in | Exposure time |
| Butylated hydroxytoluene | 128-37-0 | DNEL | 19 mg/kg bw/day | human, dermal | worker (industry) | acute - systemic effects |
| Butylated hydroxytoluene | 128-37-0 | DNEL | 18 mg/m ³ | human, inhalatory | worker (industry) | acute - systemic effects |
| Butylated hydroxytoluene | 128-37-0 | DNEL | 3.5 mg/m ³ | human, inhalatory | worker (industry) | chronic - systemic effects |
| Butylated hydroxytoluene | 128-37-0 | DNEL | 0.5 mg/kg bw/day | human, dermal | worker (industry) | chronic - systemic effects |

| Relevant PNECs of components of the mixture | | | | | | |
|---------------------------------------------|----------|-----------|-----------------|-------------------|------------------------------|------------------------------|
| Name of substance | CAS No | End-point | Threshold level | Organism | Environmental compartment | Exposure time |
| Butylated hydroxytoluene | 128-37-0 | PNEC | 8.33 mg/kg | aquatic organisms | water | short-term (single instance) |
| Butylated hydroxytoluene | 128-37-0 | PNEC | 1.99 µg/l | aquatic organisms | water | intermittent release |
| Butylated hydroxytoluene | 128-37-0 | PNEC | 0.199 µg/l | aquatic organisms | freshwater | short-term (single instance) |
| Butylated hydroxytoluene | 128-37-0 | PNEC | 0.02 µg/l | aquatic organisms | marine water | short-term (single instance) |
| Butylated hydroxytoluene | 128-37-0 | PNEC | 0.17 mg/l | aquatic organisms | sewage treatment plant (STP) | short-term (single instance) |
| Butylated hydroxytoluene | 128-37-0 | PNEC | 99.6 µg/kg | aquatic organisms | freshwater sediment | short-term (single instance) |

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| Relevant PNECs of components of the mixture | | | | | | |
|---------------------------------------------|----------|-----------|-----------------|-----------------------|---------------------------|------------------------------|
| Name of substance | CAS No | End-point | Threshold level | Organism | Environmental compartment | Exposure time |
| Butylated hydroxy-toluene | 128-37-0 | PNEC | 9.96 µg/kg | aquatic organisms | marine sediment | short-term (single instance) |
| Butylated hydroxy-toluene | 128-37-0 | PNEC | 47.69 µg/kg | terrestrial organisms | soil | short-term (single instance) |

8.2 Exposure controls

Individual protection measures (personal protective equipment)

Eye/face protection



Use safety goggle with side protection.

Skin protection



• hand protection

Wear suitable gloves. Chemical protection gloves are suitable, which are tested according to EN 374. 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. The times are approximate values from measurements at 22 ° C and permanent contact. Increased temperatures due to heated substances, body heat etc. and a reduction of the effective layer thickness by stretching can lead to a considerable reduction of the breakthrough time. If in doubt, contact manufacturer. At an approx. 1.5 times larger / smaller layer thickness, the respective breakthrough time is doubled / halved. The data apply only to the pure substance. When transferred to substance mixtures, they may only be considered as a guide.

• type of material

Butyl caoutchouc (butyl rubber)

• material thickness

0,7mm

• breakthrough times of the glove material

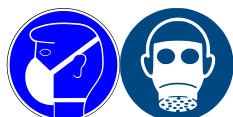
>10 minutes (permeation: level 1), >480 minutes (permeation: level 6)

• other protection measures

Take recovery periods for skin regeneration. Preventive skin protection (barrier creams/ointments) is recommended.

Flame-retardant protective clothing.

Respiratory protection



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Respiratory protection necessary at: Aerosol or mist formation. Type: A (against organic gases and vapours with a boiling point of > 65 °C , colour code: Brown).

Environmental exposure controls

Keep away from drains, surface and ground water.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

| | |
|----------------------------------------------------------|--------------------------------------------------|
| Physical state | liquid |
| Colour | colourless |
| Odour | like ether |
| Melting point/freezing point | <-20 °C at 1,013 hPa (ECHA) |
| Boiling point or initial boiling point and boiling range | 78 °C at 1,013 hPa (ECHA) |
| Flammability | flammable liquid in accordance with GHS criteria |
| Lower and upper explosion limit | 1.2 vol% - 5.7 vol% |
| Flash point | -10 °C at 101.3 kPa (ECHA) |
| Auto-ignition temperature | 260 °C at 100.9 kPa (ECHA) |
| Decomposition temperature | not relevant |
| pH (value) | not determined |
| Kinematic viscosity | 0.576 mm ² /s at 20 °C |

Solubility(ies)

Water solubility 140 g/l (ECHA)

Partition coefficient

Partition coefficient n-octanol/water (log value): 1.1 (pH value: 7, 20 °C) (ECHA)

Vapour pressure 140 hPa at 25 °C

Density 0.86 g/cm³ at 20 °C

Relative vapour density 2.97 (air = 1)

Particle characteristics not relevant (liquid)

Other safety parameters

Oxidising properties none

9.2 Other information

Information with regard to physical hazard classes: There is no additional information.

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Other safety characteristics:

There is no additional information.

SECTION 10: Stability and reactivity

10.1 Reactivity

It's a reactive substance. Risk of ignition. Vapours may form explosive mixtures with air. May form explosive peroxides.

If heated

Risk of ignition.

10.2 Chemical stability

Reactivity if exposed to air. May cause decomposition by long-term light influence.

10.3 Possibility of hazardous reactions

Violent reaction with: strong oxidiser, Bases, Strong acid

10.4 Conditions to avoid

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

10.5 Incompatible materials

Rubber articles, plastics

10.6 Hazardous decomposition products

Hazardous combustion products: see section 5. Peroxides.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Classification acc. to GHS

Acute toxicity

Harmful if swallowed.

| Acute toxicity | | | | | |
|--------------------|----------|---------------|---------|--------|--------|
| Exposure route | Endpoint | Value | Species | Method | Source |
| inhalation: vapour | LC50 | 6,000 mg/l/4h | rat | | TOXNET |
| oral | LD50 | >300 mg/kg | rat | | ECHA |
| dermal | LD50 | >2,000 mg/kg | rat | | ECHA |

Acute toxicity of components of the mixture

| Name of substance | CAS No | Exposure route | Endpoint | Value | Species |
|--------------------------|----------|----------------|----------|--------------|---------|
| Butylated hydroxytoluene | 128-37-0 | oral | LD50 | >6,000 mg/kg | rat |
| Butylated hydroxytoluene | 128-37-0 | dermal | LD50 | >2,000 mg/kg | rat |

Skin corrosion/irritation

Causes skin irritation.

Serious eye damage/eye irritation

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Causes serious eye damage.

Respiratory or skin sensitisation

Shall not be classified as a respiratory or skin sensitiser.

Germ cell mutagenicity

Shall not be classified as germ cell mutagenic.

Carcinogenicity

Shall not be classified as carcinogenic.

Reproductive toxicity

Shall not be classified as a reproductive toxicant.

Specific target organ toxicity - single exposure

Shall not be classified as a specific target organ toxicant (single exposure).

Specific target organ toxicity - repeated exposure

Shall not be classified as a specific target organ toxicant (repeated exposure).

Aspiration hazard

Shall not be classified as presenting an aspiration hazard.

Symptoms related to the physical, chemical and toxicological characteristics

• If swallowed

vomiting, nausea

• If in eyes

Causes serious eye damage, risk of blindness

• If inhaled

drowsiness, narcosis, unconsciousness, cough, headache, Dyspnoea

• If on skin

causes skin irritation

• Other information

none

11.2 Endocrine disrupting properties

Not listed.

SECTION 12: Ecological information

12.1 Toxicity

Shall not be classified as hazardous to the aquatic environment.

| Aquatic toxicity (acute) | | | |
|--------------------------|-----------|-----------------------|---------------|
| Endpoint | Value | Species | Exposure time |
| LC50 | >100 mg/l | fish | 96 h |
| EC50 | >139 mg/l | aquatic invertebrates | 48 h |
| ErC50 | >104 mg/l | algae | 72 h |

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| Aquatic toxicity (acute) of components of the mixture | | | | | |
|-------------------------------------------------------|----------|----------|------------|-----------------------|---------------|
| Name of substance | CAS No | Endpoint | Value | Species | Exposure time |
| Butylated hydroxytoluene | 128-37-0 | LC50 | >0.57 mg/l | fish | 96 h |
| Butylated hydroxytoluene | 128-37-0 | EC50 | 0.48 mg/l | aquatic invertebrates | 48 h |
| Butylated hydroxytoluene | 128-37-0 | ErC50 | >0.4 mg/l | algae | 72 h |

| Aquatic toxicity (chronic) | | | |
|----------------------------|-------------|----------------|---------------|
| Endpoint | Value | Species | Exposure time |
| EC50 | >1,000 mg/l | microorganisms | 3 h |

| Aquatic toxicity (chronic) of components of the mixture | | | | | |
|---------------------------------------------------------|----------|----------|------------|-----------------------|---------------|
| Name of substance | CAS No | Endpoint | Value | Species | Exposure time |
| Butylated hydroxytoluene | 128-37-0 | EC50 | 0.096 mg/l | aquatic invertebrates | 21 d |

Biodegradation

Data are not available.

12.2 Process of degradability

Theoretical Oxygen Demand: 2.6 mg/mg
Theoretical Carbon Dioxide: 2.555 mg/mg

| Process of degradability | | |
|--------------------------|------------------|------|
| Process | Degradation rate | Time |
| oxygen depletion | 2 % | 28 d |

| Degradability of components of the mixture | | | | | | |
|--------------------------------------------|----------|----------------|------------------|------|--------|--------|
| Name of substance | CAS No | Process | Degradation rate | Time | Method | Source |
| Butylated hydroxytoluene | 128-37-0 | biotic/abiotic | <10 % | 20 d | | |

12.3 Bioaccumulative potential

Does not significantly accumulate in organisms.

| | |
|---------------------------|---------------------------------|
| n-octanol/water (log KOW) | 1.1 (pH value: 7, 20 °C) (ECHA) |
|---------------------------|---------------------------------|

| Bioaccumulative potential of components of the mixture | | | | |
|--------------------------------------------------------|----------|-------|---------|----------|
| Name of substance | CAS No | BCF | Log KOW | BOD5/COD |
| Butylated hydroxytoluene | 128-37-0 | 598.4 | 5.1 | |

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12.4 Mobility in soil

Data are not available.

12.5 Results of PBT and vPvB assessment

Data are not available.

12.6 Endocrine disrupting properties

Not listed.

12.7 Other adverse effects

Data are not available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods



This material and its container must be disposed of as hazardous waste. Dispose of contents/container in accordance with local/regional/national/international regulations.

Sewage disposal-relevant information

Do not empty into drains.

Waste treatment of containers/packagings

Only packagings which are approved (e.g. acc. to the Dangerous Goods Regulations) may be used.

Relevant provisions relating to waste(Basel Convention)

Properties of waste which render it hazardous

H3 Flammable liquids

13.3 Remarks

Waste shall be separated into the categories that can be handled separately by the local or national waste management facilities. Please consider the relevant national or regional provisions.

SECTION 14: Transport information

14.1 UN number

| | |
|-----------|------------|
| UN RTDG | UN 2536 |
| IMDG-Code | UN 2536 |
| ICAO-TI | UN 2536 |

14.2 UN proper shipping name

| | |
|-----------|-----------------------|
| UN RTDG | METHYLTETRAHYDROFURAN |
| IMDG-Code | METHYLTETRAHYDROFURAN |
| ICAO-TI | Methyltetrahydrofuran |

14.3 Transport hazard class(es)

| | |
|-----------|---|
| UN RTDG | 3 |
| IMDG-Code | 3 |



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| | |
|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------|
| ICAO-TI | 3 |
| 14.4 Packing group | |
| UN RTDG | II |
| IMDG-Code | II |
| ICAO-TI | II |
| 14.5 Environmental hazards | non-environmentally hazardous acc. to the dangerous goods regulations |
| 14.6 Special precautions for user | |
| There is no additional information. | |
| 14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code | |
| The cargo is not intended to be carried in bulk. | |
| 14.8 Information for each of the UN Model Regulations | |
| Transport information National regulations Additional information (UN RTDG) | |
| UN number | 2536 |
| Class | 3 |
| Packing group | II |
| Danger label(s) | 3 |
|  | |
| Special provisions (SP) | - UN RTDG |
| Excepted quantities (EQ) | E2 UN RTDG |
| Limited quantities (LQ) | 1 L UN RTDG |
| International Maritime Dangerous Goods Code (IMDG) - Additional information | |
| Proper shipping name | METHYLTETRAHYDROFURAN |
| Particulars in the shipper's declaration | UN2536, METHYLTETRAHYDROFURAN, 3, II, -10°C C.C. |
| Marine pollutant | - |
| Danger label(s) | 3 |
|  | |
| Special provisions (SP) | - |
| Excepted quantities (EQ) | E2 |
| Limited quantities (LQ) | 1 L |
| EmS | F-E, S-D |
| Stowage category | B |

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International Civil Aviation Organization (ICAO-IATA/DGR) - Additional information

| | |
|------------------------------------------|--------------------------------------|
| Proper shipping name | Methyltetrahydrofuran |
| Particulars in the shipper's declaration | UN2536, Methyltetrahydrofuran, 3, II |
| Danger label(s) | 3 |



| | |
|--------------------------|-----|
| Excepted quantities (EQ) | E2 |
| Limited quantities (LQ) | 1 L |

SECTION 15: Regulatory information

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

There is no additional information.

National regulations(Australia)

Australian Inventory of Chemical Substances(AICS)

Substance is listed.

National inventories

| Country | Inventory | Status |
|---------|------------|---------------------|
| AU | AICS | substance is listed |
| CA | NDSL | substance is listed |
| CN | IECSC | substance is listed |
| EU | ECSI | substance is listed |
| EU | REACH Reg. | substance is listed |
| JP | ISHA-ENCS | substance is listed |
| KR | KECI | substance is listed |
| MX | INSQ | substance is listed |
| NZ | NZIoC | substance is listed |
| PH | PICCS | substance is listed |
| TW | TCSI | substance is listed |
| US | TSCA | substance is listed |

Legend

| | |
|------------|-------------------------------------------------------------------------|
| AICS | Australian Inventory of Chemical Substances |
| ECSI | EC Substance Inventory (EINECS, ELINCS, NLP) |
| IECSC | Inventory of Existing Chemical Substances Produced or Imported in China |
| INSQ | National Inventory of Chemical Substances |
| ISHA-ENCS | Inventory of Existing and New Chemical Substances (ISHA-ENCS) |
| KECI | Korea Existing Chemicals Inventory |
| NDSL | Non-domestic Substances List (NDSL) |
| NZIoC | New Zealand Inventory of Chemicals |
| PICCS | Philippine Inventory of Chemicals and Chemical Substances (PICCS) |
| REACH Reg. | REACH registered substances |
| TCSI | Taiwan Chemical Substance Inventory |
| TSCA | Toxic Substance Control Act |

15.2 Chemical Safety Assessment

No Chemical Safety Assessment has been carried out for this substance.

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SECTION 16: Other information

Abbreviations and acronyms

| Abbr. | Descriptions of used abbreviations |
|-----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| BCF | Bioconcentration factor |
| BOD | Biochemical Oxygen Demand |
| CAS | Chemical Abstracts Service (service that maintains the most comprehensive list of chemical substances) |
| COD | Chemical oxygen demand |
| DGR | Dangerous Goods Regulations (see IATA/DGR) |
| DNEL | Derived No-Effect Level |
| EC50 | Effective Concentration 50 %. The EC50 corresponds to the concentration of a tested substance causing 50 % changes in response (e.g. on growth) during a specified time interval |
| EINECS | European Inventory of Existing Commercial Chemical Substances |
| ELINCS | European List of Notified Chemical Substances |
| EmS | Emergency Schedule |
| ErC50 | ≡ EC50: in this method, that concentration of test substance which results in a 50 % reduction in either growth (EbC50) or growth rate (ErC50) relative to the control |
| GHS | "Globally Harmonized System of Classification and Labelling of Chemicals" developed by the United Nations |
| IATA | International Air Transport Association |
| IATA/DGR | Dangerous Goods Regulations (DGR) for the air transport (IATA) |
| ICAO | International Civil Aviation Organization |
| ICAO-TI | Technical instructions for the safe transport of dangerous goods by air |
| IMDG | International Maritime Dangerous Goods Code |
| IMDG-Code | International Maritime Dangerous Goods Code |
| LC50 | Lethal Concentration 50%: the LC50 corresponds to the concentration of a tested substance causing 50 % lethality during a specified time interval |
| LD50 | Lethal Dose 50 %: the LD50 corresponds to the dose of a tested substance causing 50 % lethality during a specified time interval |
| log KOW | n-Octanol/water |
| MARPOL | International Convention for the Prevention of Pollution from Ships (abbr. of "Marine Pollutant") |
| NLP | No-Longer Polymer |
| PBT | Persistent, Bioaccumulative and Toxic |
| PNEC | Predicted No-Effect Concentration |
| UN RTDG | UN Recommendations on the Transport of Dangerous Good |
| vPvB | Very Persistent and very Bioaccumulative |

Key literature references and sources for data

Safe Work Australia's Code of Practice for Labelling of Workplace Hazardous Chemicals (under WHS Regulations).

Safety data sheet

acc. to Safe Work Australia - Code of Practice



2-Methyltetrahydrofuran SOLVAGREEN® ≥99 %, extra pure

article number: **6845**

UN Recommendations on the Transport of Dangerous Good. International Maritime Dangerous Goods Code (IMDG). Dangerous Goods Regulations (DGR) for the air transport (IATA).

List of relevant phrases (code and full text as stated in chapter 2 and 3)

| Code | Text |
|------|-------------------------------------|
| H225 | Highly flammable liquid and vapour. |
| H302 | Harmful if swallowed. |
| H315 | Causes skin irritation. |
| H318 | Causes serious eye damage. |

Disclaimer

This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product.