

Safety Data Sheet
BELTRACO COLOR TRANSFER BLOCKER



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

1.1. Product identifier

Mixture identification:

Trade name:

BELTRACO COLOR TRANSFER BLOCKER (250 ML)

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

Recommended use:

Mixtures for the industrial and/or professional care and maintenance of leather items.

Uses advised against:

Stick to the recommended use.

1.3. Details of the supplier of the safety data sheet

Supplier:

Beltraco Benelux B.V.

Biestkampweg 21, 5249 JV Rosmalen, Nederland

Tel.: +31 (0)73 645 03 43

E-Mail: info@beltraco.nl

www.beltraco.nl

1.3. Antigifcentrum

Dutch National Poison Information Center (UMC Utrecht)

Intended only to inform professional responders of acute poisonings

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

EC regulation criteria 1272/2008 (CLP)

⚠ Warning, Flam. Liq. 3, Flammable liquid and vapour.

⚠ Warning, STOT SE 3, May cause drowsiness or dizziness.

EUH066 Repeated exposure may cause skin dryness or cracking.

Adverse physicochemical, human health and environmental effects:

No other hazards

2.2. Label elements

Hazard pictograms:



Warning

Hazard statements:

H226 Flammable liquid and vapour.

H336 May cause drowsiness or dizziness.

Precautionary statements:

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P261 Avoid breathing vapours/spray.

P312 Call a POISON CENTER or a doctor if you feel unwell.

P370+P378 In case of fire: Use CO₂, foam, dry extinguishers, nebulised water to extinguish.

P403+P233 Store in a well-ventilated place. Keep container tightly closed.

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

Special Provisions:

EUH066 Repeated exposure may cause skin dryness or cracking.

Contains

n-butyl acetate

Special provisions according to Annex XVII of REACH and subsequent amendments:

None

2.3. Other hazards

vPvB Substances: None - PBT Substances: None

Other Hazards:

No other hazards.













SECTION 3: Composition/information on ingredients

3.1. Substances

Not available

3.2. Mixtures

Hazardous components within the meaning of the CLP regulation and related classification (The higher extreme values, if indicated, are to be considered excluded):

| Qty | Name | Ident. Number | Classification |
|-----------|----------------------|---|--|
| 80% - 90% | n-butyl acetate | Index number: 607-025-00-1 CAS: 123-86-4 EC: 204-658-1 REACH No.: 01-2119485493-29 |  2.6/3 Flam. Liq. 3 H226  3.8/3 STOT SE 3 H336 EUH066 |
| 7% - 10% | 1-methoxy-2-propanol | Index number: 603-064-00-3 CAS: 107-98-2 EC: 203-539-1 REACH No.: 01-2119457435-35 |  2.6/3 Flam. Liq. 3 H226  3.8/3 STOT SE 3 H336 |
| 3% - 5% | ethyl acetate | Index number: 607-022-00-5 CAS: 141-78-6 EC: 205-500-4 REACH No.: 01-2119475103-46 |  2.6/2 Flam. Liq. 2 H225  3.3/2 Eye Irrit. 2 H319  3.8/3 STOT SE 3 H336 EUH066 |
| 1% - 3% | e-caprolactam | Index number: 613-069-00-2 CAS: 105-60-2 EC: 203-313-2 REACH No.: 01-2119457029-36 |  3.3/2 Eye Irrit. 2 H319  3.8/3 STOT SE 3 H335  3.2/2 Skin Irrit. 2 H315  3.1/4/Oral Acute Tox. 4 H302  3.1/4/Inhal Acute Tox. 4 H332 |

For the full text of the hazard statements (H) see section16.

SECTION 4: First aid measures

4.1. Description of first aid measures

In case of skin contact:

Immediately take off all contaminated clothing.

Areas of the body that have - or are only even suspected of having - come into contact with the product must be rinsed immediately with plenty of running water and possibly with soap.

Wash thoroughly the body (shower or bath).

In case of eyes contact:

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

In case of Ingestion:

Do not under any circumstances induce vomiting. OBTAIN A MEDICAL EXAMINATION IMMEDIATELY.

In case of Inhalation:

Remove casualty to fresh air and keep warm and at rest.

In case of respiratory problems, medical care is needed.

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

For the most important symptoms and effects, caused by exposure, see the label (section 2) and/or section 11.

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

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

Treatment:

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:

CO₂, foam, dry extinguishers, nebulised water.

Extinguishing media which must not be used for safety reasons:

Do not use jets of water as it can cause the spread of fire.

Water can be used to cool containers exposed to flames to prevent explosions.

5.2. Special hazards arising from the substance or mixture

IN THE EVENT OF FIRE

Excess pressure may form in containers exposed to fire at a risk of explosion.

Do not inhale combustion gases.

Burning produces heavy smoke.

5.3. Advice for firefighters

Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

Move undamaged containers from immediate hazard area if it can be done safely.

EQUIPMENT

Fire fighting clothing i. e. fire kit (BS EN 469), gloves (BS EN 659) and boots (HO specification A29 and A30) in combination with self-contained open circuit positive pressure air breathing apparatus (BN EN 137).

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Wear personal protection equipment.

Eliminate all unguarded flames and possible sources of ignition. Do not smoke.

Remove persons to safety.

See protective measures under point 7 and 8.

6.2. Environmental precautions

Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains.

In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

Suitable material for taking up: inert absorbing material.

6.3. Methods and material for containment and cleaning up

Stop the leak or spill if this is not a risk. Use inert absorbent material to surround the contaminated area.

Collect the product wearing, if necessary, appropriate protective equipment for a possible recovering or for

disposal. Dispose in line with current laws and norms. Do not pour into drains.

6.4. Reference to other sections

See also section 8 and 13

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Do not eat or drink while working. Do not smoke.

Avoid contact with skin and eyes, inhalation of vapours and mists.

Avoid contemporary handling of any incompatible materials (see section 10).

Don't use empty container before they have been cleaned.

Before making transfer operations, assure that there aren't any incompatible material residuals in the containers.

Contaminated clothing should be changed before entering eating areas.

Wash hands thoroughly after shift.

See also section 8 for recommended protective equipment.

7.2. Conditions for safe storage, including any incompatibilities

Store in a well-ventilated place at a temperature between +5/40°C.

Always keep in a well ventilated place.

Keep away from unguarded flame, sparks, and heat sources. Avoid direct exposure to sunlight.

Keep away from food, drink and feed.

Incompatible materials:

None in particular. See also section 10.

Instructions as regards storage premises:

Cool and adequately ventilated.

7.3. Specific end use(s)

None in particular, except those listed in paragraph 1.2.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Source: GESTIS International Limit Values Database

n-butyl acetate - CAS: 123-86-4

ACGIH - TWA(8h): 50 ppm - STEL: 150 ppm - Notes: Eye and URT irr

TLV-ACGIH - TWA: 713 mg/m³, 150 ppm - STEL: 950 mg/m³, 200 ppm

Deutschaland (AGS) - TWA: 300 mg/m³, 62 ppm - STEL(): 600 mg/m³, 124 ppm

Deutschaland (DFG) - TWA: 480 mg/m³, 100 ppm - STEL(): 960 mg/m³, 200 ppm

España - TWA: 724 mg/m³, 150 ppm - STEL: 965 mg/m³, 200 ppm

France - TWA: 710 mg/m³, 150 ppm - STEL: 940 mg/m³, 200 ppm

Österreich - TWA: 480 mg/m³, 100 ppm - STEL: 480 mg/m³, 100 ppm - Notes: TWA = MAK Langzeitwert

STEL = Kurzzeitwert

Polska - TWA: 200 mg/m³ - STEL: 950 mg/m³

România - TWA: 715 mg/m³, 150 ppm - STEL(): 950 mg/m³, 200 ppm

Sverige - TWA: 500 mg/m³, 100 ppm - STEL(): 700 mg/m³, 150 ppm

United Kingdom - TWA: 724 mg/m³, 150 ppm - STEL: 966 mg/m³, 200 ppm

People's Republic of China - TWA: 200 mg/m³ - STEL(): 300 mg/m³

1-methoxy-2-propanol - CAS: 107-98-2

ACGIH - TWA(8h): 50 ppm - STEL: 100 ppm - Notes: A4 - Eye and URT irr

TLV-ACGIH - TWA: 184 mg/m³, 50 ppm - STEL: 368 mg/m³, 100 ppm

EU - TWA(8h): 375 mg/m³, 100 ppm - STEL: 563 mg/m³, 150 ppm - Notes: Skin

Deutschaland (AGS) - TWA: 370 mg/m³, 100 ppm - STEL(): 740 mg/m³, 200 ppm

Deutschaland (DFG) - TWA: 370 mg/m³, 100 ppm - STEL: 740 mg/m³, 200 ppm

España - TWA: 375 mg/m³, 100 ppm - STEL: 568 mg/m³, 150 ppm - Notes: Skin
 France - TWA: 188 mg/m³, 50 ppm - STEL: 375 mg/m³, 100 ppm - Behaviour: Binding
 Italia - TWA: 375 mg/m³, 100 ppm - STEL: 568 mg/m³, 150 ppm - Notes: Skin
 Nederland - TWA: 375 mg/m³ - STEL: 563 mg/m³
 Österreich - TWA: 187 mg/m³, 50 ppm - STEL: 187 mg/m³, 50 ppm - Notes: TWA = MAK Langzeitwert STEL = Kurzzeitwert
 România - TWA: 375 mg/m³, 100 ppm - STEL(): 568 mg/m³, 150 ppm
 Sverige - TWA: 190 mg/m³, 50 ppm - STEL(): 568 mg/m³, 150 ppm
 Türkiye - TWA: 375 mg/m³, 100 ppm - STEL(): 568 mg/m³, 150 ppm
 United Kingdom - TWA: 375 mg/m³, 100 ppm - STEL: 560 mg/m³, 150 ppm
 ethyl acetate - CAS: 141-78-6
 ACGIH - TWA(8h): 400 ppm - Notes: URT and eye irr
 TLV-ACGIH - TWA: 1441 mg/m³, 400 ppm
 EU - TWA(8h): 734 mg/m³, 200 ppm - STEL: 1468 mg/m³, 400 ppm
 Deutschland (AGS) - TWA: 1500 mg/m³, 400 ppm - STEL(): 3000 mg/m³, 500 ppm
 Deutschland (DFG) - TWA: 750 mg/m³, 200 ppm - STEL(): 1500 mg/m³, 400 ppm
 España - TWA: 1460 mg/m³, 400 ppm
 France - TWA: 1400 mg/m³, 400 ppm
 Österreich - TWA: 1050 mg/m³, 300 ppm - STEL: 2100 mg/m³, 600 ppm - Notes: TWA = MAK Langzeitwert STEL = Kurzzeitwert
 Polska - TWA: 200 ppm - STEL: 600 ppm
 România - TWA: 400 mg/m³, 111 ppm - STEL(): 500 mg/m³, 139 ppm
 Sverige - TWA: 500 mg/m³, 150 ppm - STEL(): 1100 mg/m³, 300 ppm
 United Kingdom - TWA: 730 mg/m³, 200 ppm - STEL: 1460 mg/m³, 400 ppm
 People's Republic of China - TWA: 200 mg/m³ - STEL(): 300 mg/m³
 e-caprolactam - CAS: 105-60-2
 EU - TWA(8h): 10 mg/m³ - STEL: 40 mg/m³
 ACGIH - TWA(8h): 5 mg/m³ - Notes: (IFV), A5 - URT irr

Legal base:

TLV-ACGIH: ACGIH 2014 and updates
 UE European Union: Directive 2000/39/CE**
 Deutschland (AGS): Technische Regeln für Gefahrstoffe, Arbeitsplatzgrenzwerte, TRGS 900**
 Deutschland (DFG): MAK-und BAT-Werte-Liste 2012**
 España: INSHT Limites de exposición profesional para agentes químicos en España 2015**
 France: Valeurs limites d'exposition professionnelle aux agents chimiques en France. ED 984. INRS (2006)**
 Italia: Decreto Ministeriale 26/02/2004**
 Nederland: Nationale wettelijke publieke grenswaarden**
 Österreich: Grenzwerteverordnung 2003 - GVK 2003**
 România: HOTARÂRE Nr. 1218 din 6 septembrie 2006 and Complement from 2012 at www.mmuncii.ro**
 Sverige: Occupational Exposure Limit Values, Statute Book of the Swedish Work Environment Authority, AFS 2011:18, English Translation**
 United Kingdom: EH40/2005 Workplace exposure limits**

**and updates

DNEL Exposure Limit Values

n-butyl acetate - CAS: 123-86-4

Consumer: 2 mg/kg - Exposure: Human Oral - Frequency: Short Term, systemic effects
 Consumer: 2 mg/kg - Exposure: Human Oral - Frequency: Long Term, systemic effects
 Worker Industry: 600 mg/m - Consumer: 300 mg/m - Exposure: Human Inhalation - Frequency: Short Term, local effects
 Worker Industry: 600 mg/m - Consumer: 300 mg/m - Exposure: Human Inhalation - Frequency: Short Term, systemic effects
 Worker Industry: 300 mg/m - Consumer: 35.7 mg/m - Exposure: Human Inhalation - Frequency: Long Term, local effects

Worker Industry: 300 mg/m - Consumer: 35.7 mg/m - Exposure: Human Inhalation - Frequency: Long Term, systemic effects

Worker Industry: 11 mg/kg - Consumer: 6 mg/kg - Exposure: Human Dermal - Frequency: Short Term, systemic effects

Worker Industry: 11 mg/kg - Consumer: 6 mg/kg - Exposure: Human Dermal - Frequency: Long Term, systemic effects

1-methoxy-2-propanol - CAS: 107-98-2

Consumer: 3.3 mg/kg - Exposure: Human Oral - Frequency: Long Term, systemic effects

Worker Industry: 369 mg/m - Consumer: 43.9 mg/m - Exposure: Human Inhalation - Frequency: Long Term, systemic effects

Worker Industry: 553.5 mg/m - Exposure: Human Inhalation - Frequency: Short Term, local effects

Worker Industry: 50.6 mg/kg - Consumer: 18.1 mg/kg - Exposure: Human Dermal - Frequency: Long Term, systemic effects

ethyl acetate - CAS: 141-78-6

Worker Industry: 1468 mg/m - Consumer: 734 mg/m - Exposure: Human Inhalation - Frequency: Short Term, systemic effects

Worker Industry: 1468 mg/m - Consumer: 734 mg/m - Exposure: Human Inhalation - Frequency: Short Term, local effects

Worker Industry: 63 mg/kg - Consumer: 37 mg/m - Exposure: Human Dermal - Frequency: Long Term, systemic effects

Worker Industry: 734 mg/m - Consumer: 367 mg/m - Exposure: Human Inhalation - Frequency: Long Term, systemic effects

Worker Industry: 734 mg/m - Consumer: 367 mg/m - Exposure: Human Inhalation - Frequency: Long Term, local effects

Consumer: 4.5 mg/kg - Exposure: Human Oral - Frequency: Long Term, systemic effects

PNEC Exposure Limit Values

n-butyl acetate - CAS: 123-86-4

Target: Microorganisms in sewage treatments - Value: 35.6 mg/l

Target: Fresh Water - Value: 0.18 mg/l

Target: Freshwater sediments - Value: 0.981 mg/kg

Target: Marine water - Value: 0.018 mg/l

Target: Marine water sediments - Value: 0.0981 mg/kg

Target: Soil (agricultural) - Value: 0.0903 mg/kg

1-methoxy-2-propanol - CAS: 107-98-2

Target: Fresh Water - Value: 10 mg/l

Target: Freshwater sediments - Value: 52 mg/kg

Target: Marine water - Value: 1 mg/l

Target: Marine water sediments - Value: 5.2 mg/kg

Target: Soil (agricultural) - Value: 4.59 mg/kg

Target: Microorganisms in sewage treatments - Value: 100 mg/l

ethyl acetate - CAS: 141-78-6

Target: Fresh Water - Value: 0.24 mg/l

Target: Marine water - Value: 0.024 mg/l

Target: Freshwater sediments - Value: 1.15 mg/kg

Target: Marine water sediments - Value: 0.115 mg/kg

Target: Soil (agricultural) - Value: 0.148 mg/kg

Target: Microorganisms in sewage treatments - Value: 650 mg/l

Target: Food chain - Value: 0.2 g/kg - Type of hazard: Secondary poisoning

Biological Exposure Index

1-methoxy-2-propanol - CAS: 107-98-2

Value: 15 mg/L - medium: Urine - Biological Indicator: Propyleneglycol 1-methyl ether - Sampling Period: End of turn (TRGS 903)

8.2. Exposure controls

As the adoption of adequate preventive measures must always take priority over personal protective

equipment, make sure that:

- in case of inhalation exposure limit values, the workplace is well ventilated through an effective local aspiration system or other technical equipment, in order to maintain airborne levels below the exposure limits values
- if inhalation exposure limit values are not applicable, a good general ventilation is generally sufficient for most operations
- an emergency shower with face and eye wash station is available
- personal protective equipment is CE marked, in compliance with applicable standards

Individual protection measures

Use in well-ventilated areas. Do not breathe vapours. Do not get in eyes and on skin.

Adopt a correct personal hygiene. Do not consume or store food in the work areas.

Wash hands before smoking or eating.

Eye protection:

Use eye protecting goggles suitable to chemical risks.

Protection for skin:

Use clothing that provides comprehensive protection to the skin.

Protection for hands:

Protect hands with gloves suitable for protection against chemical agents (see standard EN 374).

In case of short-term exposure (splash protection):

Nitrile, neoprene or butyl rubber gloves

Breakthrough time: 30 min

Minimum thickness: 0.4 mm

In case of long-term exposure:

Butyl rubber, Viton or nitrile gloves

Breakthrough time: 480 min

Minimum thickness: 0.7 mm

The information provided here is indicative. The following parameters should be considered when choosing work glove material: degradation, failure time and permeability.

In case of chemical mixtures, the work gloves' resistance to chemical agents should be checked before use, as it can be unpredictable. The gloves' wear time depends on the duration and frequency of use.

Respiratory protection:

In case of inadequate ventilation, prolonged exposure or mists/vapours/aerosol exposure (eg. spray application) use a respiratory protective equipment (eg. full face mask according to the DIN EN 136 standard with A Filter for organic gases and vapours according to DIN EN 141).

Thermal Hazards:

None

Environmental exposure controls:

The emissions generated by manufacturing processes, including those generated by ventilation equipment, should be checked to ensure compliance with environmental standards.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| Properties | Value | Method: | Notes: |
|--|--------------------|---|--------|
| Appearance and colour: | Liquid, colourless | UNI EN ISO 15528:2003 (3.11+6.7)/UNI EN ISO 1513:1996 | -- |
| Odour: | characteristic | -- | -- |
| Odour threshold: | Not available | -- | -- |
| pH: | Not Relevant* | -- | -- |
| Melting point / freezing point: | <0 °C | Expert judgement | -- |
| Initial boiling point and boiling range: | >80 °C | Expert judgement | -- |
| Flash point: | 23 °C | Expert judgement | -- |

| | | | |
|---|---------------------------------|-------------------|----|
| Evaporation rate: | Not available | -- | -- |
| Solid/gas flammability: | Not Relevant* | -- | -- |
| Upper/lower flammability or explosive limits: | Not available | -- | -- |
| Vapour pressure: | Not available | -- | -- |
| Vapour density: | Not available | -- | -- |
| Relative density: | 0.88 +/- 0.05 g/cm ³ | UNI EN ISO 2811-1 | -- |
| Solubility in water: | not miscible | -- | -- |
| Solubility in oil: | miscible in organic solvents | -- | -- |
| Partition coefficient (n-octanol/water): | Not available | -- | -- |
| Auto-ignition temperature: | Not available | -- | -- |
| Decomposition temperature: | Not available | -- | -- |
| Viscosity: | Not available | -- | -- |
| Explosive properties: | Not Relevant* | -- | -- |
| Oxidizing properties: | Not Relevant* | -- | -- |

*Data not applicable or not relevant due to the nature of the product and / or on account of its chemical composition.

9.2. Other information

| Properties | Value | Method: | Notes: |
|--------------------------------------|---------------|---------|--------|
| Miscibility: | Not available | -- | -- |
| Fat Solubility: | Not available | -- | -- |
| Conductivity: | Not available | -- | -- |
| Substance Groups relevant properties | Not available | -- | -- |

*Data not applicable or not relevant due to the nature of the product and / or on account of its chemical composition.

VOC total content: 94-96%

SECTION 10: Stability and reactivity

10.1. Reactivity

Stable under normal conditions

10.2. Chemical stability

Stable under normal conditions

10.3. Possibility of hazardous reactions

None in particular in the normal conditions of use.

10.4. Conditions to avoid

The product is stable under normal storage/use conditions.

10.5. Incompatible materials

10.6. Hazardous decomposition products

May produce toxic and noxious fumes in case of fire.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

In the absence of experimental data for the product itself, health hazards are evaluated according to the properties of the substances it contains, using the criteria specified in the applicable regulation for classification.

STOT-single exposure

This product contains highly volatile substances, which may cause serious depression of the central nervous system (CNS) and have negative effects, such as drowsiness, dizziness, slow reflexes, narcosis.

Further information
No one in particular.

Toxicological information of the product:

- a) acute toxicity
Not classified
Based on available data, the classification criteria are not met
- b) skin corrosion/irritation
Not classified
Based on available data, the classification criteria are not met
- c) serious eye damage/irritation
Not classified
Based on available data, the classification criteria are not met
- d) respiratory or skin sensitisation
Not classified
Based on available data, the classification criteria are not met
- e) germ cell mutagenicity
Not classified
Based on available data, the classification criteria are not met
- f) carcinogenicity
Not classified
Based on available data, the classification criteria are not met
- g) reproductive toxicity
Not classified
Based on available data, the classification criteria are not met
- h) STOT-single exposure
The product is classified: STOT SE 3 H336
- i) STOT-repeated exposure
Not classified
Based on available data, the classification criteria are not met
- j) aspiration hazard
Not classified
Based on available data, the classification criteria are not met

Toxicological information of the main substances found in the product:

n-butyl acetate - CAS: 123-86-4

- a) acute toxicity:
Test: LD50 - Route: Oral - Species: Rat > 6500 mg/kg
Test: LD50 - Route: Skin - Species: Rat > 5000 mg/kg
Test: LC50 - Route: Inhalation Vapour - Species: Rat = 21.1 mg/l - Duration: 4h

1-methoxy-2-propanol - CAS: 107-98-2

- a) acute toxicity:
Test: LD50 - Route: Oral - Species: Rat = 5300 mg/kg
Test: LD50 - Route: Skin - Species: Rabbit = 13000 mg/kg
Test: LC50 - Route: Inhalation - Species: Rat = 54.6 mg/l - Duration: 4h

ethyl acetate - CAS: 141-78-6

- a) acute toxicity:
Test: LD50 - Route: Oral - Species: Rat = 5620 mg/kg
Test: LC50 - Route: Inhalation - Species: Rabbit = 1600 mg/kg

Further information
No one in particular.

SECTION 12: Ecological information

12.1. Toxicity

Adopt sound working practices, so that the product is not released into the environment.

Not classified for environmental hazards

Based on available data, the classification criteria are not met

12.2. Persistence and degradability

None

Not available

12.3. Bioaccumulative potential

Not available

12.4. Mobility in soil

Not available

12.5. Results of PBT and vPvB assessment

vPvB Substances: None - PBT Substances: None

12.6. Other adverse effects

None

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Recover, if possible. Send to authorised disposal plants or for incineration under controlled conditions. In so doing, comply with the local and national regulations currently in force.

SECTION 14: Transport information

14.1. UN number

ADR/RID UN number: 1993

IMDG-Un number: 1993

IATA-Un number: 1993

14.2. UN proper shipping name

ADR/RID-Technical name: FLAMMABLE LIQUID, N.O.S. - FREE - CAP. 3.4
(n-butyl acetate, 1-methoxy-2-propanol)

IATA-Technical name: FLAMMABLE LIQUID, N.O.S. - FREE LQ7 - CAP. 3.4
(n-butyl acetate, 1-methoxy-2-propanol)

IMDG-Technical name: FLAMMABLE LIQUID, N.O.S. - FREE LQ7 - CAP. 3.4
(n-butyl acetate, 1-methoxy-2-propanol)

14.3. Transport hazard class(es)

ADR-Class: 3

ADR-Label: 3

Rail (RID): 3

Air (ICAO/IATA): 3

IATA-Label: 3

IMDG-Class: 3

IMDG-Label: 3

14.4. Packing group

ADR/RID-Packing Group: III

IATA-Packing group: III

IMDG-Packing group: III

14.5. Environmental hazards

14.6. Special precautions for user

IMDG-Technical name: FLAMMABLE LIQUID, N.O.S. - FREE LQ7 - CAP. 3.4
(n-butyl acetate, 1-methoxy-2-propanol)

IMDG-EMS: F-E,S-E

Segregation Group: None .

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

No

SECTION 15: Regulatory information

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

Dir. 98/24/EC (Risks related to chemical agents at work)

Dir. 2000/39/EC (Occupational exposure limit values)

Regulation (EC) n. 1907/2006 (REACH)

Regulation (EC) n. 1272/2008 (CLP)

Regulation (EC) n. 790/2009 (ATP 1 CLP) and (EU) n. 758/2013

Regulation (EU) 2015/830

Regulation (EU) n. 286/2011 (ATP 2 CLP)

Regulation (EU) n. 618/2012 (ATP 3 CLP)

Regulation (EU) n. 487/2013 (ATP 4 CLP)

Regulation (EU) n. 944/2013 (ATP 5 CLP)

Regulation (EU) n. 605/2014 (ATP 6 CLP)

Regulation (EU) n. 2015/1221 (ATP 7 CLP)

Regulation (EU) n. 2016/918 (ATP 8 CLP)

Regulation (EU) n. 2016/1179 (ATP 9 CLP)

Regulation (EU) n. 2017/776 (ATP 10 CLP))

Restrictions related to the product or the substances contained according to Annex XVII Regulation (EC) 1907/2006 (REACH) and subsequent modifications:

Restrictions related to the product:

Restriction 3

Restriction 40

Restrictions related to the substances contained:

No restriction.

Where applicable, refer to the following regulatory provisions :

Directive 2012/18/EU (Seveso III)

Regulation (EC) nr 648/2004 (detergents).

Dir. 2004/42/EC (VOC directive)

Provisions related to directive EU 2012/18 (Seveso III):

Seveso III category according to Annex 1, part 1

Product belongs to category: P5c

15.2. Chemical safety assessment

No Chemical Safety Assessment has been carried out for the mixture.

Based on information we have, a Chemical Safety Assessment, if expected, has been carried out for the substances in the mixture by the manufacturer or the importer.

SECTION 16: Other information

Text of phrases referred to under heading 3:

H226 Flammable liquid and vapour.

H336 May cause drowsiness or dizziness.

EUH066 Repeated exposure may cause skin dryness or cracking.

H225 Highly flammable liquid and vapour.

H319 Causes serious eye irritation.

H335 May cause respiratory irritation.

H315 Causes skin irritation.

H302 Harmful if swallowed.

H332 Harmful if inhaled.

| Hazard class and hazard category | Code | Description |
|----------------------------------|-------------|--|
| Flam. Liq. 2 | 2.6/2 | Flammable liquid, Category 2 |
| Flam. Liq. 3 | 2.6/3 | Flammable liquid, Category 3 |
| Acute Tox. 4 | 3.1/4/Inhal | Acute toxicity (inhalation), Category 4 |
| Acute Tox. 4 | 3.1/4/Oral | Acute toxicity (oral), Category 4 |
| Skin Irrit. 2 | 3.2/2 | Skin irritation, Category 2 |
| Eye Irrit. 2 | 3.3/2 | Eye irritation, Category 2 |
| STOT SE 3 | 3.8/3 | Specific target organ toxicity - single exposure, Category 3 |

Paragraphs modified from the previous revision:

SECTION 2: Hazards identification

SECTION 3: Composition/information on ingredients

SECTION 7: Handling and storage

SECTION 8: Exposure controls/personal protection

SECTION 9: Physical and chemical properties

SECTION 11: Toxicological information

SECTION 12: Ecological information

SECTION 14: Transport information

SECTION 15: Regulatory information

SECTION 16: Other information

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

| Classification according to Regulation (EC) Nr. 1272/2008 | Classification procedure |
|---|--------------------------|
| Flam. Liq. 3, H226 | On basis of test data |
| STOT SE 3, H336 | Calculation method |

This document was prepared by a competent person who has received appropriate training.

Further information

The information is considered correct, but it is not exhaustive and it shall be used only as a guide which is based on the current knowledge of the substance or mixture and it is applicable to the safety precautions appropriate for the product.

The information given is based on our present knowledge, at the time of sending the data sheet and only serves for describing the product for security reasons, without guaranteeing specific properties.

Due to the various uses of our product and for factors not dependent on us, no responsibility is accepted for

the use of this information.

Please keep your records up to date and make this sheet available to all relevant personnel. This safety sheet cancels and substitutes any other previous issue.

Main bibliographic sources:

NIOSH - Registry of toxic effects of chemical substances (1983)

I.N.R.S. - Fiche Toxicologique

ECHA database on registered substances (<http://apps.echa.europa.eu/registered/registered-sub.aspx>)

ECHA Classification and Labelling Inventory (http://echa.europa.eu/clp/c_l_inventory_en.asp)

GESTIS hazardous substances database of German Berufsgenossenschaften

(<http://www.dguv.de/ifa/Gefahrstoffdatenbanken/GESTIS-Stoffdatenbank/index-2.jsp>)

| | |
|-------------|--|
| ADR: | European Agreement concerning the International Carriage of Dangerous Goods by Road. |
| ATE: | Acute Toxicity Estimate |
| ATEmix: | Acute toxicity Estimate (Mixtures) |
| CAS: | Chemical Abstracts Service (division of the American Chemical Society). |
| CLP: | Classification, Labeling, Packaging. |
| DNEL: | Derived No Effect Level. |
| EINECS: | European Inventory of Existing Commercial Chemical Substances. |
| GefStoffVO: | Ordinance on Hazardous Substances, Germany. |
| GHS: | Globally Harmonized System of Classification and Labeling of Chemicals. |
| IATA: | International Air Transport Association. |
| IATA-DGR: | Dangerous Goods Regulation by the "International Air Transport Association" (IATA). |
| ICAO: | International Civil Aviation Organization. |
| ICAO-TI: | Technical Instructions by the "International Civil Aviation Organization" (ICAO). |
| IMDG: | International Maritime Code for Dangerous Goods. |
| INCI: | International Nomenclature of Cosmetic Ingredients. |
| KSt: | Explosion coefficient. |
| LC50: | Lethal concentration, for 50 percent of test population. |
| LD50: | Lethal dose, for 50 percent of test population. |
| PNEC: | Predicted No Effect Concentration. |
| RID: | Regulation Concerning the International Transport of Dangerous Goods by Rail. |
| STEL: | Short Term Exposure limit. |
| STOT: | Specific Target Organ Toxicity. |
| TLV: | Threshold Limiting Value. |
| TWA: | Time-weighted average |
| WGK: | German Water Hazard Class. |