

SAFETY DATA SHEET

according to Regulation (EC) No 1907/2006, Regulation (EU) No 2015/830, Regulation (EC) No 1272/2008



Butyl acetate

Revision Date 03.07.2017

Version 4.0

EU / EN

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier

Trade name : Butyl acetate
Chemical name : Butyl acetate
CAS-No : 123-86-4
EC-No : 204-658-1
Registration number : 01-2119485493-29-0008

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

Use of the Substance/ Mixture : Formulation:
F-2: Distribution;
F-3: Formulation;
Use at industrial sites:
IW-4: Use in coating;
IW-5: Use in cleaning agents;
IW-6: Use in laboratories;
Use by professional workers:
PW-1: Use in coating;
PW-2: Use in cleaning agents;
PW-3: Use in laboratories;
Consumer uses:
C-1: Use in coating;
C-2: Use in cleaning agents;
C-3: Use in personal care product.

1.3 Details of the supplier of the safety data sheet

Company : Nevinnomyssky Azot JSC
1 Nizyaeva str., Nevinnomyssk, Stavropol Territory, 357107,
Russia
Telephone : + 7 (86554) 4-42-65
E-mail address : nevinazot@eurochem.ru
Only representative : AB "Lifosa"
Juodkiskio 50, LT-57502 Kedainiai, Lithuania
Telephone : + (370 347) 66 483
E-mail address : info@lifosa.com

1.4 Emergency telephone number

Austria: Poison Control Centre, Tel.: (+43)-1-406-43-43;
Belgium: Belgisch Antigifcentrum, Tel.: 070/245-245;
Bulgaria: Многопрофилна болница за активно лечение и спешна медицина "Н.И.Пирогов",
Tel.: (+359)-2-9154-409;
Croatia: Poison Control Centre, Tel: (+385)-1-23-48-342;
Czech Republic: Toxikologické informační středisko Telefon: (+420)-224-919-293,
Denmark: Poison Control Hotline, Tel.: (+45)-82-12-12-12;

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Estonia: National emergency telephone number: 112 or Poison information telephone number: 16662, calling from abroad: (+372)-626-93-90;
Finland: Poison Information Centre, Tel.: (09)-471-977 (direct) or (09)-4711;
France: ORFILA (INRS): (+33)-(0)-1-45-42-59-59;
Hungary: Az Egészségügyi Toxikológiai Tájékoztató Szolgálat elérhetőségei Tel: (+36)-80-201-199;
Latvia: Valsts Toksikoloģijas centra Saindēšanās un zāļu informācijas centrs, Tel.: (+371)-67042473;
Lithuania: Sveikatos apsaugos ministerijos ekstremalių sveikatai situacijų centras, Tel.: (+370)-5-236-20-52 or (+370)-687-53378;
Malta: Mater Dei Hospital, Tel: 2545-0000;
Portugal: Centro de Informação Antivenenos (Portuguese Poison Centre), Tel: 808-250-143;
Romania: Biroul RSI Si Informare Toxicologica, Tel.: 021-318-36-06 (direct) (8.00 - 15.00);
Slovak Republic: National Toxicological Information Centre (+421)-2-5477-4166; (+420)-224-915-402;
Sweden: 112.
Note: please, consult with your local/national competent authorities for the emergency number in your country.

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification according to REGULATION (EC) No 1272/2008

Flammable liquids, Category 3
Specific target organ toxicity, single exposure, Category 3

H226: Flammable liquid and vapour.
H336: May cause drowsiness or dizziness.

EUH066: Repeated exposure may cause skin dryness or cracking.

2.2 Label elements

Labeling according to REGULATION (EC) No 1272/2008

Hazard pictogram (s) :



GHS02: flame



GHS07: exclamation mark

Signal Word : Danger

Hazard statements : H226 : Flammable liquid and vapour.
H336 : May cause drowsiness or dizziness.

Additional labelling requirements (supplemental hazard statement) : EUH066: : Repeated exposure may cause skin dryness or cracking.

Precautionary statements : **Prevention:**
P210 : Keep away from heat, sparks, open flames, hot surfaces. No smoking.
P233 : Keep container tightly closed.
P261 : Avoid breathing vapours.
P280 : Wear protective gloves, protective clothing, eye protection, face protection.

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Response:

P303+P361+P353 : IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.

P304+P340 : IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

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

Storage:

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

All precautionary statements see Section 16.

2.3 Other hazards

The substance does not fulfil the PBT criteria (not PBT) and not the vPvB criteria (not vPvB). Vapours is heavier than air and can travel considerable distance to a source ignition and flashback. Vapours may form explosive mixture with air. Components of the product may be absorbed into the body by inhalation.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

The product is a chemical substance within the meaning of the REACH Regulation (1907/2006/EC). The following table contains the main constituent at the top.

Chemical Name	Concentration, wt. %	CAS-No	EC-No / Registration number	Index-No	CLP
Butyl acetate	≤100	123-86-4	204-658-1 / 01-2119485493-29-0008	607-025-00-1	Flam.Liq.3; H226 STOT SE 3; H336

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

General advice : In the case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). First aider needs to protect himself. Move out of dangerous area. Never give anything by mouth to an unconscious person. Take off contaminated clothing and shoes immediately.

Inhalation : If breathed in, move person into fresh air. Keep patient warm and at rest. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Consult a physician.

Skin contact : In case of contact, immediately flush skin with soap and plenty of water. Consult a physician.

Eye contact : Protect unharmed eye. If easy to do, remove contact lens, if worn. Rinse thoroughly with plenty of water and consult a physician.

Ingestion : Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

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4.2 Most important symptoms and effects, both acute and delayed

Ingestion may cause drowsiness or dizziness.

4.3 Indication of any immediate medical attention and special treatment needed

No data available.

SECTION 5: FIRE-FIGHTING MEASURES

5.1 Extinguishing Media

Suitable extinguishing media : Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.2 Special hazards arising from the substance or mixture

Specific hazards : Hazardous decomposition products may be formed under fire conditions (see section 10). Exposure to decomposition products may be a hazard to health.

5.3 Advice fire fighters

Special protective equipment : Wear self contained breathing apparatus for fire fighting if necessary. Use personal protective equipment.

Further information : Standard procedure for chemical fires. Use spray water to cool unopened containers. Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedure

Refer to protective measures listed in sections 7 and 8. Use personal protective equipment. Remove all sources of ignition. Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Ensure adequate ventilation, especially in confined areas. Immediately evacuate personnel to safe areas. Vapours can accumulate in low areas.

6.2 Environmental precautions

Do not flush into surface water or sanitary sewer system. Prevent further leakage or spillage if safe to do so. If the product contaminates rivers and lakes or drains inform respective authorities. Avoid release to the environment. Refer to special instructions.

6.3 Methods and materials for containment and cleaning up

Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations. Clean contaminated surface thoroughly.

6.4 Reference to other sections

See Section 7, 8, 11, 12 and 13.

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SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Advice on safe handling : For personal protection see section 8. Avoid contact with skin and eyes. Keep away from sources of ignition – No smoking. Keep away from combustible material. Do not breathe vapours, mist or spray. Prevent the creation of flammable or explosive concentrations of vapour in air. Take precautionary measures against static discharges. Use appropriate container to avoid environmental contamination. Do not carry cloths that have come into contact with the product in your clothing. Handle with care. Avoid exposure - obtain special instructions before use.

Advice on protection against fire and explosion : Normal measures for preventive fire protection. Keep away from heat and sources of ignition.

7.2 Conditions for safe storage including any incompatibilities

Requirements for storage : Store in a place accessible by authorized persons only. Keep areas and containers locked up or in an area accessible only to qualified or authorized persons. Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Store steel or aluminium containers (tanks).

Advice on common storage : Keep away from food, drink and animal feeding stuffs. Incompatible with acids and bases. Do not store together with oxidizing, combustible substances and materials.

Storage period : 6 months.

7.3 Specific end use(s)

See Annex I.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Components	CAS-No	Control parameters	Basis	Country
Butyl acetate	123-86-4	TWA: 100 ppm, 480 mg/m ³ (all isomers except tert-Butyl acetate, listed under Butyl acetate); STEL: 100 ppm, 480 mg/m ³ (all isomers except tert-Butyl acetate, listed under Butyl acetate)	OEL-AT	Austria
Butyl acetate	123-86-4	TWA: 150 ppm, 723 mg/m ³ ; STEL: 200 ppm, 964 mg/m ³	MB 14.3.2002	Belgium
Butyl acetate	123-86-4	TWA: 710 mg/m ³ STEL: 950 mg/m ³	НАРЕДБА № 13	Bulgaria
Butyl acetate	123-86-4	TWA: 150 ppm, 724 mg/m ³ ; STEL: 200 ppm, 966 mg/m ³	OEL-HR	Croatia
Butyl acetate	123-86-4	MAC: 710 mg/m ³ , 150 ppm	OEL-CY	Cyprus
Butyl acetate	123-86-4	TWA: 950 mg/m ³	361/2007 Sb.	Czech Republic
Butyl acetate	123-86-4	TWA: 710 mg/m ³ , 150 ppm	OEL-DK	Denmark

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Components	CAS-No	Control parameters	Basis	Country
Butyl acetate	123-86-4	TWA: 150 ppm, 720 mg/m ³ ; STEL: 200 ppm, 960 mg/m ³	HTP-ARVOT 2014	Finland
Butyl acetate	123-86-4	TWA: 150 ppm, 710 mg/m ³ ; STEL: 200 ppm, 940 mg/m ³	ED984	France
Butyl acetate	123-86-4	MAK: 480 mg/m ³ , 100 ppm	TRGS 900	Germany
Butyl acetate	123-86-4	TWA: 150 ppm, 710 mg/m ³ ; STEL: 200 ppm, 950 mg/m ³	OEL-GR	Greece
Butyl acetate	123-86-4	TWA: 950 mg/m ³ ; STEL: 950 mg/m ³	EüM-SzCsM 25/2000	Hungary
Butyl acetate	123-86-4	TWA: 150 ppm, 710 mg/m ³ ; STEL: 200 ppm, 950 mg/m ³	S.I. No. 619 of 2001	Ireland
Butyl acetate	123-86-4	TWA: 150 ppm, 713 mg/m ³ ; STEL: 200 ppm, 950 mg/m ³	OEL-IT	Italy
Butyl acetate	123-86-4	TWA: 200 mg/m ³	MK 01.02.2011. Nr.92	Latvia
Butyl acetate	123-86-4	TWA: 200 mg/m ³ ; STEL: 950 mg/m ³	Dz.U. 2014 poz. 817	Poland
Butyl acetate	123-86-4	TWA: 150 ppm; STEL: 200 ppm	OEL-PT	Portugal
Butyl acetate	123-86-4	TWA: 150 ppm, 715 mg/m ³ (regulated under Butyl acetate); STEL: 200 ppm, 950 mg/m ³ (regulated under Butyl acetate)	Hotarârea nr. 1218	Romania
Butyl acetate	123-86-4	TWA: 100 ppm, 480 mg/m ³ ;	Nariadenie 300/2007 Z.z.	Slovak Republic
Butyl acetate	123-86-4	TWA: 100 ppm, 480 mg/m ³ ; STEL: 100 ppm, 480 mg/m ³ ;	OEL-SI	Slovenia
Butyl acetate	123-86-4	TWA: 150 ppm, 724 mg/m ³ ; STEL: 200 ppm, 965 mg/m ³	OEL-ES	Spain
Butyl acetate	123-86-4	STV: 150 ppm, 700 mg/m ³ ; LLV: 100 ppm, 500 mg/m ³	AFS 2011:18	Sweden
Butyl acetate	123-86-4	TWA: 724 mg/m ³ , 150 ppm STEL: 966 mg/m ³ , 200 ppm	EH40/2005	United King- dom

PNEC (Predicted No effect Concentration)

PNEC aqua – freshwater	: 0.18 mg/l
PNEC aqua – marine water	: 0.018 mg/l
PNEC aqua – intermittent releases	: 0.36 mg/l
PNEC sediment (freshwater)	: 0.981 mg/kg dw
PNEC sediment (marine water)	: 0.0981 mg/kg dw
PNEC soil	: 0.0903 mg/kg dw
PNEC STP	: 35.6 mg/l

DNEL (Derived No Effect Level)/DMEL (Derived Minimal Effect Level)

Worker:

Long-term exposure systemic effects, dermal	: 11 mg/kg bw/day
Acute exposure systemic effects, dermal	: 11 mg/kg bw/day
Long-term exposure systemic effects, inhalation	: 300 mg/m ³
Acute exposure systemic effects, inhalation	: 600 mg/m ³
Long-term exposure local effects, inhalation	: 300 mg/m ³
Acute exposure local effects, inhalation	: 600 mg/m ³

General population:

Long-term exposure systemic effects, dermal	: 6 mg/kg bw/day
Acute exposure systemic effects, dermal	: 6 mg/kg bw/day
Long-term exposure systemic effects, inhalation	: 35.7 mg/m ³
Acute exposure systemic effects, inhalation	: 300 mg/m ³

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Long-term exposure local effects, inhalation	:	35.7 mg/m ³
Acute exposure local effects, inhalation	:	300 mg/m ³
Long-term exposure systemic effects, oral	:	2 mg/kg bw/day
Acute exposure systemic effects, oral	:	2 mg/kg bw/day

8.2 Exposure controls

Engineering measures

Provide sufficient air exchange and/or exhaust in work rooms. Highly effective exhaust ventilation.

Personal protective equipment

Respiratory protection : Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination type AXBEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator.

Remarks : Use respirators and components tested and approved under appropriate government standards CEN (EU).

Hand protection

Material : Butyl-rubber, rubber.

Remarks : Choose gloves to protect hands against chemicals depending on the concentration and quantity of the hazardous substance and specific to place of work. For special applications, we recommend clarifying the resistance to chemicals of the aforementioned protective gloves with the glove manufacturer.

Eye protection : Safety goggles.

Remarks : Use equipment for eye protection tested and approved under appropriate government standards such as EN 166 (EU).

Skin and body protection : Cotton protective clothing.

Remarks : Choose body protection according to the amount and concentration of the dangerous substance at the work place.

Hygiene measures : Handle in accordance with good industrial hygiene and safety practice.
General industrial hygiene practice.
Avoid breathing vapours, mist or spray.
Avoid contact with skin, eyes and clothing.
When using do not eat, drink or smoke.
Wash hands before breaks and at the end of workday.
Follow the skin protection plan.
Wash contaminated clothing before re-use.

Environmental exposure controls

See Annex I

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Form	: Liquid.
Colour	: Colourless.
Odour	: Expressed.
Odor threshold	: No data available.
Flash point	: 27 °C at 1013 hPa Method: EU Method A.9, GLP (closed cup)
Lower explosion limit	: 1.35 % (vol.)
Upper explosion limit	: 9 % (vol.)
Explosive properties	: The study does not need to be conducted as there are no chemical groups associated with explosive properties present in the molecule.
Flammability	: Flammable.
Oxidizing properties	: The study does not need to be conducted as the substance is flammable.
Self-ignition temperature	: 415 °C
Melting point/range	: < (- 90) °C
pH	: No data available.
Boiling point/boiling range	: 126.2 °C at 101.3 kPa
Vapor pressure	: 11.2 hPa at 20 °C
Density	: 0.8812 g/cm ³ at 20 °C
Bulk density	: Not applicable.
Water solubility	: 5.3 g/cl at 20 °C
Partition coefficient: n-octanol/water	: 2.3 at 25 °C
Solubility in other solvents	: No data available.
Viscosity, dynamic	: No data available.
Viscosity, kinematic	: 0.831 mm ² /s at 20 °C 0.66 mm ² /s at 40 °C
Relative vapor density	: No data available.
Evaporation rate	: No data available.
Decomposition temperature	: No data available.

9.2 Other information

Molecular weight	: 116.1583 g/mol
Surface tension	: 61.3 mN/m at 20 °C and 1000 mg/l
Ignition temperature	: 35 °C

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

No data available.

10.2 Chemical stability

No decomposition if stored and applied as directed.

10.3 Possibility of hazardous reactions

Vapours may form explosive mixtures with air.

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10.4 Conditions to avoid

Heat, flame and sparks.

10.5 Incompatible materials

Materials to avoid : Oxidants, combustible substances and materials, acids and bases.

10.6 Hazardous decomposition products

Hazardous decomposition : Build-up of dangerous/toxic fumes possible in cases of products fire/high temperature: Carbon oxides.

Thermal decomposition : No data available.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity

Acute oral toxicity

Butyl acetate : LD₅₀ (rat): 10 760 mg/kg

Acute inhalation toxicity

Butyl acetate : No data available.

Acute dermal toxicity

Butyl acetate : LD₅₀ (rabbit): 14 112 mg/kg

Acute toxicity (other routes of administration)

No data available.

Skin corrosion / irritation

Skin irritation : Non-irritating.

Serious eye damage / eye irritation

Eye irritation : Non-irritating.

Sensitization of the respiratory / skin

Skin sensitization : Non skin sensitizing.

Respiratory sensitization : Non respiratory sensitizing.

Mutagenicity

No mutagenic effect.

Carcinogenicity

No carcinogenic effect.

Reproductive toxicity

No reproductive effect.

Teratogenicity

No data available.

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Specific target organ toxicity after single exposure

Vapours may cause drowsiness or dizziness.

Specific target organ toxicity after repeated exposure (sub-acute / sub-chronic)

Repeated dose toxicity: (sub-acute/ sub-chronic)

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- : NOAEC (sub-chronic; mouse): 2 400 mg/m³
- : Route of application: inhalation
- : Exposure time: 13 weeks (6 hrs/day; 5 days/week)
- : Target organs: neurologic: central nervous system
- : NOAEL (sub-chronic, rat): 196 mg/kg bw/day
- : Route of application: oral
- : Exposure time: 6 or 13 weeks
- : Target organs: neurologic: central nervous system

Aspiration hazard

No data available.

Neurological effects

There is no evidence of neurotoxicity based on FOB, motor activity, neuropathology.

Toxicology, metabolism, distribution

Absorption: absorption of n-butyl acetate after dermal application seems to be low.

Distribution: n-Butyl acetate is rapidly distributed throughout the body.

Metabolism: metabolism of n-butyl acetate is characterised by the rapid hydrolysis of the parent compound to n-butanol and acetic acid.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

Toxicity to fish:

Butyl acetate : LC₅₀ (Pimephales promelas): 18 mg/l
Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates:

Butyl acetate : EC₅₀ (Daphnia sp.): 44 mg/l
Exposure time: 48 h

Toxicity to aquatic plants:

Butyl acetate : EC₅₀ (Pseudokirchnerella subcapitata): 397 mg/l
Exposure time: 72 h

Long-term study fish/ daphnia and other aquatic invertebrates/ aquatic plants:

Butyl acetate : NOEC (Daphnia magna): 23 mg/l
: Exposure time: 21 days
: NOEC (Pseudokirchnerella subcapitata): 196 mg/l
: Exposure time: 72 h

12.2 Persistence and degradability

Biodegradability : Readily biodegradable.

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12.3 Bioaccumulation potential

Butyl acetate : BCF: 15

12.4 Mobility in soil

The study does not need to be conducted as the substance is readily biodegradable. Adsorption to soil and suspended sediment is not expected.

12.5 Results of PBT assessment and vPvB

The substance does not fulfil the PBT criteria (not PBT) and not the vPvB criteria (not vPvB).

12.6 Other adverse effects

Additional ecological information : The product should not be allowed to enter drains, water courses or the soil.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Advice on disposal and packaging : Disposal:
In accordance with local and national regulations. Do not dispose of waste into sewer. This material and its container must be disposed of in a safe way. Do not dispose of together with household waste. Waste codes should be assigned by the user based on the application for which the product was used.

SECTION 14: TRANSPORT INFORMATION

ADR

UN-Number : 1123
Description of the goods : BUTYL ACETATES
Class : 3
Packing group : II
Classification Code : F1
Hazard identification No : 30
Labels : 3
Limited quantity : LQ4
Tunnel restriction code : D/E
Environmentally hazardous : no

RID

UN-Number : 1123
Description of the goods : BUTYL ACETATES
Class : 3
Packing group : II
Classification Code : F1
Hazard identification No : 30
Labels : 3
Limited quantity : LQ4

IATA

UN-Number : 1123
Description of the goods : Butyl acetates
Class : 3
Packing group : II

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Labels : 3
Packing instruction (cargo aircraft) : 364
Packing instruction (passenger aircraft) : 353
Packing instruction (LQ) : Y341
Environmentally hazardous : no

IMDG

UN-Number : 1123
Description of the goods : BUTYL ACETATES
Class : 3
Packing group : II
Labels : 3
EmS Number 1 : F-E
EmS Number 2 : S-D
Marine pollutant : no

Special precautions for the user

See Section 6, 7 and 8

SECTION 15: REGULATORY INFORMATION

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

Special labelling of certain mixtures : Restricted to professional users.

Seveso Directive (2012/18/EU)	:	Quantity 1	Quantity 2
P5c Flammable liquids		5 000 t	50 000 t

15.2 CSA

The Chemical Safety Assessment was undertaken.

SECTION 16: OTHER INFORMATION

Precautionary statements:

Prevention:

P210: Keep away from heat, sparks, open flames, hot surfaces. No smoking.

P233: Keep container tightly closed.

P240: Ground or bond container and receiving equipment.

P241: Use explosion-proof electrical, ventilating, lighting equipment.

P242: Use only non-sparking tools.

P243: Take precautionary measures against static discharge.

P261: Avoid breathing vapours.

P271: Use only outdoors or in a well-ventilated area.

P280: Wear protective gloves, protective clothing, eye protection, face protection.

Response:

P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.

P304+P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

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

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P370+P378: In case of fire: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide for extinction.

Storage:

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

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

P405: Store locked up.

Disposal:

P501: Dispose of contents and container to in accordance with national regulation.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

ANNEX I: EXPOSURE SCENARIOS