

Trade name: BT10441S, solvent**Current version :** 1.0.0, issued: 16.06.2021**Replaced version:** -, issued: -**Region:** IE**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1 Product identifier****Trade name****BT10441S, solvent****UFI:****U685-G0T5-300T-JVJT****1.2 Relevant identified uses of the substance or mixture and uses advised against****Relevant identified uses of the substance or mixture**

printer's ink

Thinner

Uses advised against

No data available.

1.3 Details of the supplier of the safety data sheet**Address**

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78532 Tuttlingen

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Advice on Safety Data Sheet

sdb_info@umco.de

1.4 Emergency telephone number

+353 1 809 2166 (National Poisons Information Centre)

SECTION 2: Hazards identification**2.1 Classification of the substance or mixture****Classification in accordance with Regulation (EC) No 1272/2008 (CLP)**

Eye Irrit. 2; H319

Flam. Liq. 2; H225

STOT SE 3; H336

Classification information

This product is assessed and classified using the methods and criteria below referred to in Article 9 of Regulation (EC) n° 1272/2008:

Physical hazards: determined through assessment data based on the methods or standards referred to in part 2 of Annex I to CLP

Health hazards and environmental hazards: determined through toxicological and ecotoxicological assessment data based on the methods or standards referred to in Part 3, 4 and 5 of Annex I to CLP.

2.2 Label elements**Labelling according to Regulation (EC) No 1272/2008 (CLP Regulation)****Hazard pictograms**

GHS02



GHS07

Signal word

Danger

Hazardous component(s) to be indicated on label:

butanone

Trade name: BT10441S, solvent

Current version : 1.0.0, issued: 16.06.2021

Replaced version: -, issued: -

Region: IE

Hazard statement(s)

H225 Highly flammable liquid and vapour.
 H319 Causes serious eye irritation.
 H336 May cause drowsiness or dizziness.

Hazard statements (EU)

EUH066 Repeated exposure may cause skin dryness or cracking.

Precautionary statement(s)

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
 P240 Ground and bond container and receiving equipment.
 P241 Use explosion-proof electrical/ventilating/lighting/ equipment.
 P242 Use non-sparking tools.
 P243 Take action to prevent static discharges.
 P261 Avoid breathing fume/vapours/spray.
 P280 Wear protective gloves/protective clothing/eye protection/face protection.
 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, fire powder, carbon dioxide or foam to extinguish.

UFI:

U685-G0T5-300T-JVJT

2.3 Other hazards

PBT assessment

According to the information provided in the supply chain, the mixture does not contain > 0.1% of a substance that is considered to be PBT.

vPvB assessment

According to the information provided in the supply chain, the mixture does not contain > 0.1% of a substance that is considered to be vPvB.

SECTION 3: Composition/information on ingredients**3.1 Substances**

Not applicable. The product is not a substance.

3.2 Mixtures**Hazardous ingredients**

| No | Substance name | | Additional information | |
|----|--|---|------------------------|-----|
| | CAS / EC / Index / REACH no | Classification (EC) 1272/2008 (CLP) | Concentration | % |
| 1 | butanone | | | |
| | 78-93-3 201-159-0 606-002-00-3 01-2119457290-43 | Flam. Liq. 2; H225 Eye Irrit. 2; H319 STOT SE 3; H336 EUH066 | < 100,00 | wt% |
| 2 | acetone | | | |
| | 67-64-1 200-662-2 606-001-00-8 01-2119471330-49 | Flam. Liq. 2; H225 Eye Irrit. 2; H319 STOT SE 3; H336 EUH066 | < 5,00 | wt% |

Full Text for all H-phrases and EUH-phrases: pls. see section 16

SECTION 4: First aid measures**4.1 Description of first aid measures**

Trade name: BT10441S, solvent**Current version :** 1.0.0, issued: 16.06.2021**Replaced version:** -, issued: -**Region:** IE**General information**

Remove contaminated clothing and shoes immediately, and launder thoroughly before reusing. In case of persisting adverse effects, consult a physician.

After inhalation

Remove affected persons from dangerous area by observing suitable respiratory protection measures. Ensure supply of fresh air.

After skin contact

In case of contact with skin wash off with water.

After eye contact

Remove contact lenses. Rinse eye thoroughly under running water keeping eyelids wide open and protecting the unaffected eye (at least 10 to 15 minutes). Get medical attention if pain still persists.

After ingestion

Rinse the mouth thoroughly with water. Do not induce vomiting. Never give anything by mouth to an unconscious person.

4.2 Most important symptoms and effects, both acute and delayed

No data available.

4.3 Indication of any immediate medical attention and special treatment needed

No data available.

SECTION 5: Firefighting measures**5.1 Extinguishing media****Suitable extinguishing media**

Alcohol resistant foam, CO₂, powders, water spray

Unsuitable extinguishing media

High power water jet

5.2 Special hazards arising from the substance or mixture

In the event of fire, the following can be released: Carbon dioxide (CO₂); Carbon monoxide (CO)

5.3 Advice for firefighters

Use self-contained breathing apparatus. Wear protective clothing. Containers close to fire should be transferred to a safe place. Cool closed containers exposed to fire with water.

SECTION 6: Accidental release measures**6.1 Personal precautions, protective equipment and emergency procedures****For non-emergency personnel**

Refer to protective measures listed in sections 7 and 8. Keep away from ignition sources.

For emergency responders

Personal protective equipment (PPE) - see section 8.

6.2 Environmental precautions

Do not discharge into the drains/surface waters/groundwater. Do not discharge into the subsoil/soil.

6.3 Methods and material for containment and cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations (see section 13).

6.4 Reference to other sections

Information regarding safe handling, see section 7. Information regarding personal protective measures, see section 8. Information regarding waste disposal, see section 13.

SECTION 7: Handling and storage**7.1 Precautions for safe handling****Advice on safe handling**

Trade name: BT10441S, solvent

Current version : 1.0.0, issued: 16.06.2021

Replaced version: -, issued: -

Region: IE

Risks inherent to handling the product must be minimised by applying the appropriate protective and preventive measures. Working processes should - so far as possible, according to the state of the art - be designed to rule out bodily contact or the release of hazardous substances.

General protective and hygiene measures

Do not eat, drink or smoke during work time. Keep away from foodstuffs and beverages. Do not inhale vapours. Avoid contact with eyes and skin. Wash hands before breaks and after work. Remove contaminated clothing and shoes and launder thoroughly before reusing.

Advice on protection against fire and explosion

Keep away from ignition sources and provide for good ventilation. Vapours can form an explosive mixture with air. Isolate from sources of heat, sparks and open flame. Take precautionary measures against electrostatic loading (earthing necessary during loading operations). Use explosion-proof equipment/fittings and non-sparking tools.

7.2 Conditions for safe storage, including any incompatibilities**Technical measures and storage conditions**

Keep container tightly closed and dry in a cool, well-ventilated place.

Recommended storage temperature

Value 10 - 25 °C

Requirements for storage rooms and vessels

Containers which are opened must be carefully closed and kept upright to prevent leakage. Always keep in containers of same material as the original.

Incompatible products

Substances to be avoided, see section 10.

7.3 Specific end use(s)**Recommendations**

Solvent for industrial CIJ printers

SECTION 8: Exposure controls/personal protection**8.1 Control parameters****Occupational exposure limit values**

| No | Substance name | CAS no. | EC no. |
|----|--|-----------|---------------------------|
| 1 | butanone | 78-93-3 | 201-159-0 |
| | 2000/39/EC | | |
| | Butanone | | |
| | WEL short-term (15 min reference period) | 900 | mg/m ³ 300 ppm |
| | WEL long-term (8-hr TWA reference period) | 600 | mg/m ³ 200 ppm |
| | List of Chemical Agents and Occupational Exposure Limit Values (Code of Practice) | | |
| | Methyl ethyl ketone | | |
| | WEL short-term (15 min reference period) | 900 | mg/m ³ 300 ppm |
| | WEL long-term (8-hr TWA reference period) | 600 | mg/m ³ 200 ppm |
| | Comments | Sk, IOELV | |
| 2 | acetone | 67-64-1 | 200-662-2 |
| | 2000/39/EC | | |
| | Acetone | | |
| | WEL long-term (8-hr TWA reference period) | 1210 | mg/m ³ 500 ppm |
| | List of Chemical Agents and Occupational Exposure Limit Values (Code of Practice) | | |
| | Acetone | | |
| | WEL long-term (8-hr TWA reference period) | 1210 | mg/m ³ 500 ppm |
| | Comments | IOELV | |

DNEL, DMEL and PNEC values**DNEL values (worker)**

| No | Substance name | CAS / EC no |
|----|-------------------|-------------|
| | Route of exposure | Value |
| | Exposure time | Effect |

Trade name: BT10441S, solvent

Current version : 1.0.0, issued: 16.06.2021

Replaced version: -, issued: -

Region: IE

| | | | | |
|---|-----------------|---------------------|----------|------------------------------------|
| 1 | butanone | | | 78-93-3 201-159-0 |
| | dermal | Long term (chronic) | systemic | 1161 mg/kg/day |
| | inhalative | Long term (chronic) | systemic | 600,00 mg/m ³ |
| 2 | acetone | | | 67-64-1 200-662-2 |
| | dermal | Long term (chronic) | systemic | 186 mg/kg/day |
| | inhalative | Short term (acut) | local | 2420 mg/m ³ |
| | inhalative | Short term (acut) | systemic | 1210 mg/m ³ |

DNEL value (consumer)

| No | Substance name | | | CAS / EC no |
|----|-------------------|---------------------|----------|------------------------------------|
| | Route of exposure | Exposure time | Effect | Value |
| 1 | butanone | | | 78-93-3 201-159-0 |
| | oral | Long term (chronic) | systemic | 31 mg/kg/day |
| | dermal | Long term (chronic) | systemic | 412 mg/kg/day |
| | inhalative | Long term (chronic) | systemic | 106 mg/m ³ |
| 2 | acetone | | | 67-64-1 200-662-2 |
| | oral | Long term (chronic) | systemic | 62 mg/kg/day |
| | dermal | Long term (chronic) | systemic | 62 mg/kg/day |
| | inhalative | Long term (chronic) | systemic | 200 mg/m ³ |

PNEC values

| No | Substance name | | CAS / EC no |
|----|-------------------------------|-----------------------|------------------------------------|
| | ecological compartment | Type | Value |
| 1 | butanone | | 78-93-3 201-159-0 |
| | water | fresh water | 55,8 mg/L |
| | water | marine water | 55,8 mg/L |
| | water | Aqua intermittent | 55,8 mg/L |
| | water | fresh water sediment | 284,74 mg/kg |
| | with reference to: dry weight | | |
| | water | marine water sediment | 284,7 mg/kg |
| | with reference to: dry weight | | |
| | soil | - | 22,5 mg/kg |
| | with reference to: dry weight | | |
| | sewage treatment plant | - | 709 mg/L |
| | secondary poisoning | - | 1000 mg/kg |
| | with reference to: food | | |
| 2 | acetone | | 67-64-1 200-662-2 |
| | water | fresh water | 10,6 mg/L |
| | water | Aqua intermittent | 21 mg/L |
| | water | marine water | 1,06 mg/L |
| | water | fresh water sediment | 30,4 mg/kg |
| | water | marine water sediment | 3,04 mg/kg |
| | soil | - | 29,5 mg/kg |
| | sewage treatment plant | - | 100 mg/L |

8.2 Exposure controls

Appropriate engineering controls

Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL (=Occupational Exposure Limit), suitable respiratory protection must be worn.

Personal protective equipment

Respiratory protection

If workplace exposure limits are exceeded, a respiration protection approved for this particular job must be worn. In

Trade name: BT10441S, solvent

Current version : 1.0.0, issued: 16.06.2021

Replaced version: -, issued: -

Region: IE

| Upper explosion limit | | | |
|---|-----------------------|----------|-------------------|
| Value | | 13,5 | % vol |
| Source | supplier | | |
| Vapour pressure | | | |
| No data available | | | |
| Relative vapour density | | | |
| No data available | | | |
| Relative density | | | |
| No data available | | | |
| Density | | | |
| Value | | 0,804 | g/cm ³ |
| Source | supplier | | |
| Solubility in water | | | |
| Source | supplier | | |
| Comments | soluble | | |
| Solubility | | | |
| No data available | | | |
| Partition coefficient n-octanol/water (log value) | | | |
| No | Substance name | CAS no. | EC no. |
| 1 | butanone | 78-93-3 | 201-159-0 |
| | log Pow | | 0,3 |
| | Reference temperature | | 40 °C |
| | Method | OECD 117 | |
| | Source | ECHA | |
| 2 | acetone | 67-64-1 | 200-662-2 |
| | log Pow | | -0,23 |
| | Method | QSAR | |
| | Source | ECHA | |
| Viscosity | | | |
| No data available | | | |
| Particle characteristics | | | |
| No data available | | | |

9.2 Other information

| Other information |
|--------------------|
| No data available. |

SECTION 10: Stability and reactivity

10.1 Reactivity

Dangerous reactions are not expected if the product is handled according to its intended use.

10.2 Chemical stability

Stable under recommended storage and handling conditions (See section 7).

10.3 Possibility of hazardous reactions

Dangerous reactions are not to be expected when handling product according to its intended use.

10.4 Conditions to avoid

Heat, naked flames and other ignition sources.

10.5 Incompatible materials

Oxidizing agents

10.6 Hazardous decomposition products

None, if handled according to intended use.

Trade name: BT10441S, solvent

Current version : 1.0.0, issued: 16.06.2021

Replaced version: -, issued: -

Region: IE

SECTION 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

| Acute oral toxicity | | | |
|-------------------------------|---|---------|------------------|
| No | Substance name | CAS no. | EC no. |
| 1 | butanone | 78-93-3 | 201-159-0 |
| LD50 | | 2054 | mg/kg bodyweight |
| Species | rat | | |
| Method | OECD 423 | | |
| Source | ECHA / Read across | | |
| 2 | acetone | 67-64-1 | 200-662-2 |
| LD50 | | 5800 | mg/kg bodyweight |
| Species | rat | | |
| Source | ECHA | | |
| Evaluation/classification | Based on available data, the classification criteria are not met. | | |
| Acute dermal toxicity | | | |
| No | Substance name | CAS no. | EC no. |
| 1 | acetone | 67-64-1 | 200-662-2 |
| LD50 | | > 15800 | mg/kg bodyweight |
| Species | rabbit | | |
| Source | ECHA | | |
| Evaluation/classification | Based on available data, the classification criteria are not met. | | |
| Acute inhalational toxicity | | | |
| No | Substance name | CAS no. | EC no. |
| 1 | acetone | 67-64-1 | 200-662-2 |
| LC50 | | 76 | mg/l |
| Duration of exposure | | 4 | h |
| State of aggregation | Vapour | | |
| Species | rat | | |
| Source | ECHA | | |
| Evaluation/classification | Based on available data, the classification criteria are not met. | | |
| Skin corrosion/irritation | | | |
| No | Substance name | CAS no. | EC no. |
| 1 | butanone | 78-93-3 | 201-159-0 |
| Duration of exposure | | 4 | h |
| Species | rabbit | | |
| Method | OECD 404 | | |
| Source | ECHA / Read across | | |
| Evaluation | non-irritant | | |
| 2 | acetone | 67-64-1 | 200-662-2 |
| Species | guinea pig | | |
| Source | ECHA | | |
| Evaluation | non-irritant | | |
| Evaluation/classification | Based on available data, the classification criteria are not met. | | |
| Serious eye damage/irritation | | | |
| No | Substance name | CAS no. | EC no. |
| 1 | butanone | 78-93-3 | 201-159-0 |
| Species | rabbit | | |
| Method | OECD 405 | | |
| Source | ECHA | | |
| Evaluation | irritant | | |
| 2 | acetone | 67-64-1 | 200-662-2 |
| Species | rabbit | | |
| Method | OECD 405 | | |
| Source | ECHA | | |
| Evaluation | irritant | | |

Trade name: BT10441S, solvent

Current version : 1.0.0, issued: 16.06.2021

Replaced version: -, issued: -

Region: IE

| | |
|---------------------------|---|
| Evaluation/classification | Based on available data, the classification criteria are met. |
|---------------------------|---|

| Respiratory or skin sensitisation | | | |
|-----------------------------------|----------------|---|-----------|
| No | Substance name | CAS no. | EC no. |
| 1 | butanone | 78-93-3 | 201-159-0 |
| Route of exposure | | Skin | |
| Species | | guinea pig | |
| Method | | OECD 406 | |
| Source | | ECHA | |
| Evaluation | | non-sensitizing | |
| 2 | acetone | 67-64-1 | 200-662-2 |
| Route of exposure | | Skin | |
| Species | | guinea pig | |
| Source | | ECHA | |
| Evaluation | | non-sensitizing | |
| Evaluation/classification | | Based on available data, the classification criteria are not met. | |

| Germ cell mutagenicity | | | |
|---------------------------|----------------|---|-----------|
| No | Substance name | CAS no. | EC no. |
| 1 | butanone | 78-93-3 | 201-159-0 |
| Type of examination | | in vitro gene mutation study in bacteria | |
| Species | | Salmonella typhimurium | |
| Method | | OECD 471 | |
| Source | | ECHA | |
| Evaluation/classification | | Based on available data, the classification criteria are not met. | |
| Type of examination | | In vitro Mammalian Chromosomal Aberration Test | |
| Species | | rat | |
| Method | | OECD 473 | |
| Source | | ECHA | |
| Evaluation/classification | | Based on available data, the classification criteria are not met. | |
| Type of examination | | In vitro mammalian cell gene mutation test | |
| Species | | Mouse lymphoma cells | |
| Method | | OECD 476 | |
| Source | | ECHA | |
| Evaluation/classification | | Based on available data, the classification criteria are not met. | |
| Type of examination | | In vivo mammalian somatic cell study: cytogenicity / erythrocyte micronucleus | |
| Species | | mouse | |
| Method | | OECD 474 | |
| Source | | ECHA | |
| Evaluation/classification | | Based on available data, the classification criteria are not met. | |
| 2 | acetone | 67-64-1 | 200-662-2 |
| Type of examination | | in vitro gene mutation study in bacteria | |
| Species | | Salmonella typhimurium | |
| Method | | OECD 471 | |
| Source | | ECHA | |
| Evaluation/classification | | Based on available data, the classification criteria are not met. | |
| Type of examination | | In vitro Mammalian Chromosomal Aberration Test | |
| Species | | Chinese hamster Ovary (CHO) | |
| Method | | OECD 473 | |
| Source | | ECHA | |
| Evaluation/classification | | Based on available data, the classification criteria are not met. | |
| Type of examination | | in vitro gene mutation study in mammalian cells | |
| Species | | Mouse lymphoma cells | |
| Method | | OECD 476 | |
| Source | | ECHA | |
| Evaluation/classification | | Based on available data, the classification criteria are not met. | |

| Reproduction toxicity | | | |
|-----------------------|----------------|---------|-----------|
| No | Substance name | CAS no. | EC no. |
| 1 | butanone | 78-93-3 | 201-159-0 |

Trade name: BT10441S, solvent

Current version : 1.0.0, issued: 16.06.2021

Replaced version: -, issued: -

Region: IE

| | | | |
|---------------------------|---|----------------|------------------|
| Route of exposure | inhalational | | |
| Type of examination | Prenatal Developmental Toxicity Study | | |
| Species | rat | | |
| Method | OECD 414 | | |
| Source | ECHA | | |
| Evaluation/classification | Based on available data, the classification criteria are not met. | | |
| 2 | acetone | 67-64-1 | 200-662-2 |
| Route of exposure | inhalational | | |
| NOAEC | 2200 | ppm | |
| Type of examination | Prenatal Developmental Toxicity Study | | |
| Species | rat | | |
| Method | OECD 414 | | |
| Source | ECHA | | |
| Evaluation/classification | Based on available data, the classification criteria are not met. | | |

| Carcinogenicity | | | |
|---------------------------|---|---|------------------|
| No | Substance name | CAS no. | EC no. |
| 1 | butanone | 78-93-3 | 201-159-0 |
| Source | | ECHA | |
| Evaluation/classification | | Based on available data, the classification criteria are not met. | |
| 2 | acetone | 67-64-1 | 200-662-2 |
| Route of exposure | dermal | | |
| Type of examination | Toxicity study | | |
| Species | mouse | | |
| Source | ECHA | | |
| Evaluation/classification | Based on available data, the classification criteria are not met. | | |

| STOT - single exposure | |
|------------------------|--|
| No data available | |

| STOT - repeated exposure | | | |
|---------------------------|---|----------------|------------------|
| No | Substance name | CAS no. | EC no. |
| 1 | butanone | 78-93-3 | 201-159-0 |
| Route of exposure | inhalational | | |
| Species | rat | | |
| Method | OECD 413 | | |
| Source | ECHA | | |
| Evaluation/classification | Based on available data, the classification criteria are not met. | | |
| 2 | acetone | 67-64-1 | 200-662-2 |
| Route of exposure | oral | | |
| NOAEL | 10000 | ppm | |
| Species | rat | | |
| Method | OECD 408 | | |
| Source | ECHA | | |
| Evaluation/classification | Based on available data, the classification criteria are not met. | | |
| Route of exposure | inhalational | | |
| NOAEC | 19000 | ppm | |
| Species | rat | | |
| Source | ECHA | | |
| Evaluation/classification | Based on available data, the classification criteria are not met. | | |

| Aspiration hazard | |
|-------------------|--|
| No data available | |

11.2 Information on other hazards

Endocrine disrupting properties

No data available.

Other information

No data available.

Trade name: BT10441S, solvent

Current version : 1.0.0, issued: 16.06.2021

Replaced version: -, issued: -

Region: IE

SECTION 12: Ecological information

12.1 Toxicity

| Toxicity to fish (acute) | | | |
|---------------------------|---|---------|-----------|
| No | Substance name | CAS no. | EC no. |
| 1 | butanone | 78-93-3 | 201-159-0 |
| LC50 | | 2993 | mg/l |
| Duration of exposure | | 96 | h |
| Species | Pimephales promelas | | |
| Method | OECD 203 | | |
| Source | ECHA | | |
| 2 | acetone | 67-64-1 | 200-662-2 |
| LC50 | | 5540 | mg/l |
| Duration of exposure | | 96 | h |
| Species | Oncorhynchus mykiss | | |
| Source | ECHA | | |
| Evaluation/classification | Based on available data, the classification criteria are not met. | | |

| Toxicity to fish (chronic) | | | |
|----------------------------|--|--|--|
| No data available | | | |

| Toxicity to Daphnia (acute) | | | |
|-----------------------------|---|---------|-----------|
| No | Substance name | CAS no. | EC no. |
| 1 | butanone | 78-93-3 | 201-159-0 |
| EC50 | | 308 | mg/l |
| Duration of exposure | | 48 | h |
| Species | Daphnia magna | | |
| Method | OECD 202 | | |
| Source | ECHA | | |
| 2 | acetone | 67-64-1 | 200-662-2 |
| EC50 | | 8800 | mg/l |
| Duration of exposure | | 48 | h |
| Species | Daphnia pulex | | |
| Source | ECHA | | |
| Evaluation/classification | Based on available data, the classification criteria are not met. | | |

| Toxicity to Daphnia (chronic) | | | |
|-------------------------------|--|--|--|
| No data available | | | |

| Toxicity to algae (acute) | | | |
|---------------------------|---------------------------------|---------|-----------|
| No | Substance name | CAS no. | EC no. |
| 1 | butanone | 78-93-3 | 201-159-0 |
| EC50 | | 2029 | mg/l |
| Duration of exposure | | 96 | h |
| Species | Pseudokirchneriella subcapitata | | |
| Method | OECD 201 | | |
| Source | ECHA | | |

| Toxicity to algae (chronic) | | | |
|-----------------------------|--|--|--|
| No data available | | | |

| Bacteria toxicity | | | |
|-------------------|--|--|--|
| No data available | | | |

12.2 Persistence and degradability

| Biodegradability | | | |
|------------------|------------------------|---------|-----------|
| No | Substance name | CAS no. | EC no. |
| 1 | butanone | 78-93-3 | 201-159-0 |
| Type | aerobic biodegradation | | |
| Value | | 98 | % |
| Duration | | 28 | day(s) |

Trade name: BT10441S, solvent

Current version : 1.0.0, issued: 16.06.2021

Replaced version: -, issued: -

Region: IE

| | | | |
|------------|------------------------|----------------|------------------|
| Method | OECD 301 D | | |
| Source | ECHA | | |
| Evaluation | readily biodegradable | | |
| 2 | acetone | 67-64-1 | 200-662-2 |
| Type | aerobic biodegradation | | |
| Value | | 90,9 | % |
| Duration | | 28 | day(s) |
| Method | OECD 301 B | | |
| Source | ECHA | | |
| Evaluation | readily biodegradable | | |

12.3 Bioaccumulative potential

| Partition coefficient n-octanol/water (log value) | | | |
|---|-----------------|----------------|------------------|
| No | Substance name | CAS no. | EC no. |
| 1 | butanone | 78-93-3 | 201-159-0 |
| log Pow | | 0,3 | |
| Reference temperature | | 40 | °C |
| Method | OECD 117 | | |
| Source | ECHA | | |
| 2 | acetone | 67-64-1 | 200-662-2 |
| log Pow | | -0,23 | |
| Method | QSAR | | |
| Source | ECHA | | |

12.4 Mobility in soil

No data available.

12.5 Results of PBT and vPvB assessment

| Results of PBT and vPvB assessment | |
|------------------------------------|--|
| PBT assessment | According to the information provided in the supply chain, the mixture does not contain > 0.1% of a substance that is considered to be PBT. |
| vPvB assessment | According to the information provided in the supply chain, the mixture does not contain > 0.1% of a substance that is considered to be vPvB. |

12.6 Endocrine disrupting properties

No data available.

12.7 Other adverse effects

No data available.

12.8 Other information

| Other information |
|--|
| Do not discharge product unmonitored into the environment. |

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product

Disposal of the product should be carried out in accordance with all applicable regulations following consultation with the responsible local authority and the disposal company in an authorised and suitable disposal facility. Allocation of a waste code number, according to the European Waste Catalogue, should be carried out in agreement with the regional waste disposal company.

Packaging

Used, completely emptied, packaging may be disposed of or passed to recovery systems in compliance with national and local provisions related to waste legislation. Like the unused product, the packaging that has not been emptied,

Trade name: BT10441S, solvent

Current version : 1.0.0, issued: 16.06.2021

Replaced version: -, issued: -

Region: IE

may be disposed of or passed to recovery systems in compliance with national and local provisions related to waste legislation.

SECTION 14: Transport information

14.1 Transport ADR/RID/ADN

Class 3
 Classification code F1
 Packing group II
 Hazard identification no. 33
 UN number UN1210
 Proper shipping name PRINTING INK RELATED MATERIAL
 Special Provision 640 640C
 Tunnel restriction code D/E
 Label 3

14.2 Transport IMDG

Class 3
 Packing group II
 UN number UN1210
 Proper shipping name PRINTING INK RELATED MATERIAL
 EmS F-E, S-D
 Label 3

14.3 Transport ICAO-TI / IATA

Class 3
 Packing group II
 UN number UN1210
 Proper shipping name Printing ink related material
 Label 3

14.4 Other information

No data available.

14.5 Environmental hazards

Information on environmental hazards, if relevant, please see 14.1 - 14.3.

14.6 Special precautions for user

No data available.

14.7 Maritime transport in bulk according to IMO instruments

Not relevant

SECTION 15: Regulatory information

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

Regulation (EC) No 1907/2006 (REACH) Annex XIV (List of substances subject to authorisation)
 According to the data available and/or specifications supplied by upstream suppliers, this product does not contain any substances considered as substances requiring authorisation as listed on Annex XIV of the REACH regulation (EC) 1907/2006.

REACH candidate list of substances of very high concern (SVHC) for authorisation
 According to available data and the information provided by preliminary suppliers, the product does not contain substances that are considered substances meeting the criteria for inclusion in annex XIV (List of Substances Subject to Authorisation) as laid down in Article 57 and article 59 of REACH (EC) 1907/2006.

Regulation (EC) No 1907/2006 (REACH) Annex XVII: RESTRICTIONS ON THE MANUFACTURE, PLACING ON THE MARKET AND USE OF CERTAIN DANGEROUS SUBSTANCES, MIXTURES AND ARTICLES

| | |
|--|----------|
| The product is considered being subject to REACH regulation (EC) 1907/2006 annex XVII. | No 3, 40 |
|--|----------|

Trade name: BT10441S, solvent**Current version :** 1.0.0, issued: 16.06.2021**Replaced version:** -, issued: -**Region:** IE**Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances**

This product is subject to Part I of Annex I, risk category: P5b

Other regulations

Adhere to the national sanitary and occupational safety regulations when using this product.

This product is regulated by Regulation (EU) 2019/1148: all suspicious transactions, and significant disappearances and thefts should be reported to the relevant national contact point.

Please see https://ec.europa.eu/home-affairs/sites/homeaffairs/files/what-we-do/policies/crisis-and-terrorism/explosives/explosives-precursors/docs/list_of_competent_authorities_and_national_contact_points_en.pdf**15.2 Chemical safety assessment**

A Chemical Safety Assessment has been carried out for one or more of the substances within this mixture.

SECTION 16: Other information**Sources of key data used to compile the data sheet:**

Regulation (EC) No 1907/2006 (REACH), 1272/2008 (CLP) as amended in each case.

Directives 2000/39/EC, 2006/15/EC, 2009/161/EU, (EU) 2017/164.

National Threshold Limit Values of the corresponding countries as amended in each case.

Transport regulations according to ADR, RID, IMDG, IATA as amended in each case.

The data sources used to determine physical, toxic and ecotoxic data, are indicated directly in the corresponding section.

Creation of the safety data sheetUMCO GmbH - D-21107 Hamburg, Georg-Wilhelm-Strasse 187, Tel.: +49(40)555 546 300, Fax: +49(40)555 546 357, e-mail: umco@umco.de

This information is based on our present knowledge and experience.

The safety data sheet describes products with a view to safety requirements.

It does not however, constitute a guarantee for any specific product properties and shall not establish a legally valid contractual relationship.

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