

Safety Data Sheet

Ultraconductive 4010 PT B - 2010252

Safety Data Sheet dated 8/24/2020, version 1

1. Identification

GHS Product Identifier

Mixture identification:
Trade name: Ultraconductive 4010 PT B
SDS code: 2010252

Recommended use of the chemical and restrictions on use

Recommended use:
Paint/Coating
Restrictions on use:
No uses advised against are identified.

Supplier's details

Manufacturers:
Dysol Inc. - 5475 E. State Highway 114, Rhome Texas, 76078 / Phone: 1-817-335-1826 / csr-na@socomore.com/ Fax Number: 817-335-2405
Distributors:
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Competent person responsible for the safety data sheet:

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Emergency phone number:

CHEMTEL: I+1-813-248-0585 (International); 1-800-255-3924 (USA); CANUTEC: 1-613-996-6666 (CANADA)

2. Identification des dangers

-  Danger, Flam. Liq. 2, Highly flammable liquid and vapour.
-  Warning, Skin Irrit. 2, Causes skin irritation.
-  Warning, Eye Irrit. 2A, Causes serious eye irritation.
-  Warning, Skin Sens. 1, May cause an allergic skin reaction.
-  Warning, STOT SE 3, May cause drowsiness or dizziness.

GHS label elements, including precautionary statements

Hazard pictograms:

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Danger

Hazard statements:

H225 Highly flammable liquid and vapour.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H317 May cause an allergic skin reaction.

H336 May cause drowsiness or dizziness.

Precautionary statements:

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 dust/fume/gas/mist/vapours/spray.

P264 Wash hands and eyes thoroughly after handling.

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

P272 Contaminated work clothing should not be allowed out of the workplace.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P302+P352 IF ON SKIN: Wash with plenty of water.

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 person to fresh air and keep comfortable for breathing.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

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

P321 Specific treatment (see ... On this label).

P332+P313 If skin irritation occurs: Get medical advice/attention.

P333+P313 If skin irritation or rash occurs: Get medical advice/attention.

P337+P313 If eye irritation persists: Get medical advice/attention.

P362+P364 Take off contaminated clothing and wash it before reuse.

P370+P378 In case of fire: Use water or dry powder or foam fire or CO2 fire to extinguish.

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.

P501 Dispose of contents/container in accordance with applicable regulations.

Special Provisions:

None

Other hazards which do not result in a classification

No other hazards

3. Composition/information on ingredients

Substances







N.A.

Mixtures

Hazardous components within the meaning of GHS and related classification:

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Qty	Name	Ident. Number	Classification
>= 30% - < 60%	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
>= 1% - < 3%	2,2'-iminodiethylamine; diethylenetriamine	Index number: 612-058-00-X CAS: 111-40-0 EC: 203-865-4	 3.2/1B Skin Corr. 1B H314  3.4.2/1 Skin Sens. 1 H317  3.1/4/Oral Acute Tox. 4 H302  3.1/4/Dermal Acute Tox. 4 H312

4. First-aid measures

Description of necessary first-aid measures

In case of skin contact:

Immediately take off all contaminated clothing.

Remove contaminated clothing immediately and dispose of safely.

After contact with skin, wash immediately with soap and plenty of water.

In case of eyes contact:

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately.

Protect uninjured eye.

In case of Ingestion:

Do not induce vomiting. Obtain a medical examination.

In case of Inhalation:

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

Most important symptoms/effects, acute and delayed

None

Indication of immediate medical attention and special treatment needed, if necessary

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

Treatment:

No particular treatment.

5. Fire-fighting measures

Suitable extinguishing media

In case of fire: Use water or dry powder or foam fire or CO2 fire to extinguish.

Unsuitable extinguishing media

None in particular.

Special hazards arising from the chemical

Do not inhale explosion and combustion gases.

Burning produces heavy smoke.

Hazardous combustion products:

None

Explosive properties: N.A.

Oxidizing properties: N.A.

Special protective actions for fire-fighters

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Use suitable breathing apparatus .

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.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Wear personal protection equipment.

Remove all sources of ignition.

Remove persons to safety.

See protective measures under point 7 and 8.

Environmental precautions

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

Retain contaminated washing water and dispose it.

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

Suitable material for taking up: absorbing material, organic, sand

Methods and material for containment and cleaning up

Wash with plenty of water.

7. Handling and storage

Precautions for safe handling

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

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.

See also section 8 for recommended protective equipment.

Advice on general occupational hygiene:

Contaminated clothing should be changed before entering eating areas.

Do not eat or drink while working.

Conditions for safe storage, including any incompatibilities

Always keep in a well ventilated place.

Store at ambient temperatures. Keep away from unguarded flame and heat sources. Avoid direct exposure to sunlight.

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

Avoid accumulating electrostatic charge.

Keep away from food, drink and feed.

Incompatible materials:

None in particular.

Instructions as regards storage premises:

Cool and adequately ventilated.

Safety electric system.

8. Exposure controls/personal protection

Control parameters

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

- OEL Type: National - TWA: 710 mg/m³, 150 ppm - STEL: 940 mg/m³, 200 ppm -

Notes: France

- OEL Type: National - TWA: 150 ppm - STEL: 200 ppm - Notes: United Kingdom

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- OEL Type: National - TWA(8h): 300 mg/m³, 62 ppm - Notes: Germany
- OEL Type: ACGIH - TWA(8h): 50 ppm - STEL: 150 ppm - Notes: Eye and URT irr
- OEL Type: National - TWA(8h): 723 mg/m³, 150 ppm - STEL: 964 mg/m³, 200 ppm - Notes: BELGIQUE
- OEL Type: National - TWA(8h): 480 mg/m³, 99 ppm - Notes: PAYS-BAS
- OEL Type: National - TWA: 480 mg/m³, 100 ppm - STEL(Mow): 480 mg/m³, 100 ppm - Notes: Osterreich
- OEL Type: EU - TWA(8h): 241 mg/m³, 50 ppm - STEL: 723 mg/m³, 150 ppm - Notes: -

2,2'-iminodiethylamine; diethylenetriamine - CAS: 111-40-0

- OEL Type: ACGIH - TWA(8h): 1 ppm - Notes: Skin - URT and eye irr

DNEL Exposure Limit Values

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

Worker Professional: 11 mg/kg b.w./day - Consumer: 6 mg/kg b.w./day - Exposure: Human Dermal - Frequency: Long Term, systemic effects

Worker Professional: 300 mg/m³ - Consumer: 35.7 mg/m³ - Exposure: Human Inhalation - Frequency: Long Term, systemic effects

Consumer: 2 mg/kg b.w./day - Exposure: Human Oral - Frequency: Long Term, systemic effects

Worker Professional: 600 mg/m³ - Consumer: 300 mg/m³ - Exposure: Human Inhalation - Frequency: Short Term, systemic effects

Worker Professional: 11 mg/kg b.w./day - Consumer: 2 mg/kg b.w./day - Exposure: Human Oral - Frequency: Short Term, systemic effects

PNEC Exposure Limit Values

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

Target: Fresh Water - Value: 0.18 mg/l

Target: Marine water - Value: 0.018 mg/l

Target: Freshwater sediments - Value: 0.981 mg/kg

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

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

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

Appropriate engineering controls:

None

Individual protection measures, such as personal protective equipment (PPE)

Eye protection:

Use close fitting safety goggles, don't use eye lens.

Protection for skin:

Use clothing that provides comprehensive protection to the skin, e.g. cotton, rubber, PVC or viton.

Protection for hands:

Use protective gloves that provides comprehensive protection, e.g. P.V.C., neoprene or rubber.

Respiratory protection:

Use adequate protective respiratory equipment.

Thermal Hazards:

None

9. Physical and chemical properties

Properties	Value	Method:	Notes
Appearance and colour:	Liquid, yellow	--	--
Odour:	Solvent	--	--
Odour threshold:	N.A.	--	--
pH:	N.A.	--	--

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Melting point / freezing point:	N.A.	--	--
Initial boiling point and boiling range:	126 deg C	--	--
Flash point (deg C):	23 deg C	--	--
Evaporation rate:	Faster than n-butylacetate	--	--
Solid/gas flammability:	Not determined	--	--
Upper/lower flammability or explosive limits:	N.A.	--	--
Vapour pressure:	Not determined	--	--
Vapour density:	Heavier than air	--	--
Relative density:	0.92	--	--
Solubility in water:	Insoulble	--	--
Solubility in oil:	Not determined	--	--
Partition coefficient (n-octanol/water):	Not determined	--	--
Auto-ignition temperature:	Not determined	--	--
Decomposition temperature:	Not determined	--	--
Viscosity:	Not determined	--	--

10. Stability Toxicological information

Reactivity

It may generate dangerous reactions (See subsections below)

Chemical stability

It may generate dangerous reactions (See subsections below)

Possibility of hazardous reactions

None

Conditions to avoid

Avoid accumulating electrostatic charge.

Incompatible materials

Avoid contact with combustible materials. The product could catch fire.

Hazardous decomposition products

None.

11. Toxicological information

Information on toxicological effects

Toxicological information of the product:

N.A.

Toxicological information of the main substances found in the product:

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

Acute toxicity:

Test: LD50 - Route: Skin - Species: Rabbit = 14112 MGKGBWDAY

Test: LD50 - Route: Oral - Species: Rat = 10760 mg/kg

Test: LC50 - Route: Inhalation Dust - Species: Rat = 23.4 mg/l - Duration: 4h

Test: LC50 - Route: Inhalation Mist - Species: Rat = 23.4 mg/l - Duration: 4h

Test: LC0 - Route: Inhalation - Species: Rat = 23.4 mg/l - Duration: 4h - Source: OECD 403, in vivo, aerosol

Reproductive toxicity:

Test: NOAEC - Species: Rat = 3615 mg/m3

Test: LOAEC - Species: Rat = 7230 mg/m3 - Source: OECD

STOT-repeated exposure:

Test: NOAEL - Species: Rat = 500 ppm

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If not differently specified, the information listed below must be considered as non applicable:

Acute toxicity;
Skin corrosion/irritation;
Serious eye damage/irritation;
Respiratory or skin sensitisation;
Germ cell mutagenicity;
Carcinogenicity;
Reproductive toxicity;
STOT-single exposure;
STOT-repeated exposure;
Aspiration hazard.

12. Ecological information

Toxicity

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

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

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish = 18 mg/l - Duration h: 96 - Notes: Pimephales promelas

Endpoint: EC50 - Species: Daphnia = 44 mg/l - Duration h: 48

Endpoint: EC50 - Species: Algae = 647.7 mg/l - Duration h: 72 - Notes: Desmodesmus subspicatus

Endpoint: NOEC - Species: Algae = 200 mg/l - Notes: Desmodesmus subspicatus

Endpoint: EC50 - Species: bacteria = 356 mg/l - Duration h: 40 - Notes: Tetrahymena pyriformis

b) Aquatic chronic toxicity:

Endpoint: NOEC - Species: Daphnia = 23 mg/l - Duration h: 504

Endpoint: IC50 - Species: bacteria = 356 mg/l - Duration h: 40 - Notes: Tetrahymena pyriformis

Persistence and degradability

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

Biodegradability: Biodegradability rate - Duration: 28 days - %: 83

Bioaccumulative potential

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

BCF 15.3

Log Kow 2.3 - Notes: 25°C

Mobility in soil

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

Log Koc 1.268

Volality (H: Henry's Law Constant) 28.5 Pa.m³/mol - Notes: 25°C

Other adverse effects

No harmful effects expected.

13. Disposal considerations

Disposal methods:

Disposal should be in accordance with applicable regional, national and local laws and regulations. Please consult Technical Data Sheet for details.

14. Transport information

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UN number

ADR-UN Number: 1263
 IATA-UN Number: 1263
 IMDG-UN Number: 1263

UN proper shipping name

ADR-Shipping Name: PAINT
 IATA-Shipping Name: PAINT
 IMDG-Shipping Name: PAINT

Transport hazard class(es)

ADR-Class: 3
 ADR - Hazard identification number: 33
 IATA-Class: 3
 IATA-Label: 3
 IMDG-Class: 3

Packing group, if applicable

ADR-Packing Group: II
 IATA-Packing group: II
 IMDG-Packing group: II

Environmental hazards

ADR-Environmental Pollutant: No
 IMDG-Marine pollutant: No

Special precautions for user

ADR-Subsidiary hazards: -
 ADR-S.P.: 163 367 640C 650
 ADR-Transport category (Tunnel restriction code): 2 (D/E)
 IATA-Passenger Aircraft: 353
 IATA-Subsidiary hazards: -
 IATA-Cargo Aircraft: 364
 IATA-S.P.: A3 A72 A192
 IATA-ERG: 3L
 IMDG-EmS: F-E , S-E
 IMDG-Subsidiary hazards: -
 IMDG-Stowage and handling: Category B
 IMDG-Segregation: -

Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code
 N.A.

15. Regulatory information

Safety, health and environmental regulations specific for the product.

International Inventories:

The substances are listed or exempted from registration in the following international inventories:

Canada (DSL): All the substances of this product are listed on the DSL list.

Canada (NDSL): No substance of this product is listed on the NDSL list.

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16. Other information

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

Full text of phrases referred to in Section 3:

- H226 Flammable liquid and vapour.
- H336 May cause drowsiness or dizziness.
- H314 Causes severe skin burns and eye damage.
- H317 May cause an allergic skin reaction.
- H302 Harmful if swallowed.
- H312 Harmful in contact with skin.

Main bibliographic sources:

- ECDIN - Environmental Chemicals Data and Information Network - Joint Research Centre, Commission of the European Communities
 - SAX's DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS - Eight Edition - Van Nostrand Reinold
 - CCNL - Appendix 1
- Insert further consulted bibliography

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SOCOMORE strongly advises every recipient of this safety data sheet to read it carefully and to consult experts in the field if necessary or appropriate, in order to understand the information it contains, notably the possible dangers associated with this product. The users must ensure the conformity and completeness of this information with regards to their specific use of the product. The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality. It is the responsibility of the purchaser/user to ensure that their activities conform with current legislation in force.

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.

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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.