

Safety Data Sheet

Ultraconductive 4011 PT A

Safety Data Sheet dated 10/1/2019, version 1

1. IDENTIFICATION

Product identifier

Mixture identification:

Trade name: Ultraconductive 4011 PT A

Other means of identification:

MSDS code: 2010143

Recommended use of the chemical and restrictions on use

Recommended use:

Paint/Coating

Restrictions on use:

Name, address, and telephone number of the chemical manufacturer, importer, or other responsible party

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:

Dysol Inc. - 5475 E. State Highway 114, Rhome Texas, 76078 / Phone: 1-817-335-1826 /
csr-na@socomore.com/ Fax Number: 817-335-2405

Magnus Chemical Limited, 1271, rue Ampere, suite 101, Boucherville, QC, J4B 5Z5 Canada -
Tel: 1-450 641 8500 - Fax: 1-450 655 1717

Competent person responsible for the safety data sheet:








techdirsocomore@socomore.com

Emergency phone number:

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

2. HAZARD(S) IDENTIFICATION

Classification of the chemical

-  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. 1B, May cause an allergic skin reaction.
-  Danger, Repr. 1B, May damage fertility or the unborn child.
-  Warning, STOT SE 3, May cause drowsiness or dizziness.
-  Warning, Aquatic Chronic 1, Very toxic to aquatic life with long lasting effects.

Safety Data Sheet

Ultraconductive 4011 PT A

Label elements

Hazard pictograms:



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.
- H360 May damage fertility or the unborn child.
- H336 May cause drowsiness or dizziness.
- H410 Very toxic to aquatic life with long lasting effects.

Precautionary statements:

- P201 Obtain special instructions before use.
- P202 Do not handle until all safety precautions have been read and understood.
- P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
- P240 Ground/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 dust/fume/gas/mist/vapours/spray.
- P264 Wash ... 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.
- P273 Avoid release to the environment.
- 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/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.
- P308+P313 IF exposed or concerned: Get medical advice/attention.
- 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.
- P363 Wash contaminated clothing before reuse.
- P370+P378 In case of fire: Use ... to extinguish.
- P391 Collect spillage.
- 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

Hazards not otherwise classified identified during the classification process:

None

Safety Data Sheet

Ultraconductive 4011 PT A

Ingredient(s) with unknown acute toxicity:
None.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substances

N.A.

Mixtures

Hazardous components within the meaning of 29 CFR 1910.1200 and related classification:

>= 30% - < 40% Silver Powder/Silver Flakes

CAS: 7440-22-4, EC: 231-131-3

 US-HAE/C1 Aquatic Chronic 1 H410

>= 25% - < 30% butanone; ethyl methyl ketone

REACH No.: 01-2119457290-43, Index number: 606-002-00-3, CAS: 78-93-3, EC: 201-159-0

 A.2/2 Skin Irrit. 2 H315

 B.6/2 Flam. Liq. 2 H225

 A.3/2A Eye Irrit. 2A H319

 A.8/3 STOT SE 3 H336

>= 10% - < 12.5% 2-methoxy-1-methylethyl acetate

REACH No.: 01-2119475791-29, Index number: 607-195-00-7, CAS: 108-65-6, EC: 203-603-9

 B.6/3 Flam. Liq. 3 H226

>= 10% - < 12.5% Formaldehyde, oligomeric reaction products with 1-chloro-2,3-epoxypropane and phenol

CAS: 9003-36-5, EC: 500-006-8

 A.2/2 Skin Irrit. 2 H315

 A.4.2/1B Skin Sens. 1B H317

>= 7% - < 10% n-butyl acetate

REACH No.: 01-2119485493-29, Index number: 607-025-00-1, CAS: 123-86-4, EC: 204-658-1

 B.6/3 Flam. Liq. 3 H226

 A.8/3 STOT SE 3 H336

Safety Data Sheet

Ultraconductive 4011 PT A

>= 1% - < 3% Nanostrength CRP N Powder

 A.3/2A Eye Irrit. 2A H319


 A.8/3 STOT SE 3 H335

 A.2/2 Skin Irrit. 2 H315

>= 0.1% - < 0.25% 1-EHTYLPYRROLIDIN-2-ONE

REACH No.: 01-2119472138-36, CAS: 2687-91-4, EC: 220-250-6

B.6/4 Flam. Liq. 4 H227

 A.3/1 Eye Dam. 1 H318

 A.7/1B Repr. 1B H360

4. FIRST-AID MEASURES

Description of necessary 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

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 ... to extinguish.

Unsuitable extinguishing media

None in particular.

Specific hazards arising from the chemical

Do not inhale explosion and combustion gases.

Burning produces heavy smoke.

Hazardous combustion products:

None

Explosive properties: N.A.

Safety Data Sheet

Ultraconductive 4011 PT A

Oxidizing properties: N.A.

Special protective equipment and precautions for fire-fighters

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.

Methods and materials 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.

Exercise the greatest care when handling or opening the container.

Do not use on extensive surface areas in premises where there are occupants.

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.

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.

Storage temperature:

Store at ambient temperature.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

butanone; ethyl methyl ketone - CAS: 78-93-3

- OEL Type: National - TWA: 600 mg/m³, 200 ppm - STEL: 900 mg/m³, 300 ppm -

Notes: France VLEC

- OEL Type: EU - TWA(8h): 600 mg/m³, 200 ppm - STEL: 900 mg/m³, 300 ppm

- OEL Type: ACGIH - TWA(8h): 200 ppm - STEL: 300 ppm - Notes: BEI - URT irr,

CNS and PNS impair

- OEL Type: National - TWA: 600 mg/m³, 200 ppm - Notes: AGW, Germany

2-methoxy-1-methylethyl acetate - CAS: 108-65-6

- OEL Type: ACGIH - TWA(8h): 150 ppm - STEL: 100 ppm

Safety Data Sheet

Ultraconductive 4011 PT A

- OEL Type: National - TWA(8h): 275 mg/m³, 50 ppm - STEL: 550 mg/m³, 100 ppm - Notes: France VLEC
- OEL Type: National - TWA(8h): 270 mg/m³, 50 ppm - Notes: GERMANY
- OEL Type: National - TWA(8h): 274 mg/m³, 50 ppm - STEL: 548 mg/m³, 100 ppm - Notes: UK (WELs)
- OEL Type: National - TWA: 260 mg/m³ - STEL: 520 mg/m³ - Notes: POLAND
- OEL Type: EU - TWA(8h): 275 mg/m³, 50 ppm - STEL: 550 mg/m³, 100 ppm - Notes: Skin
- OEL Type: AIHA
- TWA: 50 ppm
- 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
 - OEL Type: TWA - TWA(8h): 950 mg/m³, 200 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

DNEL Exposure Limit Values

- butanone; ethyl methyl ketone - CAS: 78-93-3
 - Worker Industry: 1161 mg/kg - Consumer: 412 mg/kg - Exposure: Human Dermal - Frequency: Short Term (acute) - Notes: 1 day
 - Worker Industry: 600 mg/m³ - Consumer: 106 mg/m³ - Exposure: Human Inhalation - Frequency: Short Term (acute)
 - Consumer: 31 mg/kg - Exposure: Human Oral - Frequency: Short Term (acute)
- 2-methoxy-1-methylethyl acetate - CAS: 108-65-6
 - Worker Industry: 153.5 mg/kg bw/day - Consumer: 54.8 mg/kg bw/day - Exposure: Human Dermal - Frequency: Long Term, systemic effects
 - Worker Industry: 275 mg/m³ - Consumer: 33 mg/m³ - Exposure: Human Inhalation - Frequency: Long Term, systemic effects
 - Consumer: 1.67 mg/kg bw/day - Exposure: Human Oral - Frequency: Long Term, systemic effects
- n-butyl acetate - CAS: 123-86-4
 - Worker Professional: 11 mg/kg bw/day - Consumer: 6 mg/kg bw/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 bw/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 bw/day - Consumer: 2 mg/kg bw/day - Exposure: Human Oral - Frequency: Short Term, systemic effects
- 1-EHTYLPYRROLIDIN-2-ONE - CAS: 2687-91-4
 - Worker Industry: 80 mg/m³ - Exposure: Human Inhalation - Frequency: Short Term, local effects
 - Worker Industry: 8 mg/kg - Consumer: 4 mg/kg - Exposure: Human Dermal - Frequency: Long Term, systemic effects
 - Worker Industry: 40 mg/m³ - Consumer: 10 mg/m³ - Exposure: Human Inhalation - Frequency: Long Term, systemic effects
 - Worker Industry: 40 mg/m³ - Exposure: Human Inhalation - Frequency: Long Term, local effects

Safety Data Sheet

Ultraconductive 4011 PT A

PNEC Exposure Limit Values

- butanone; ethyl methyl ketone - CAS: 78-93-3
 Target: Fresh Water - Value: 55.8 mg/l
 Target: Marine water - Value: 55.8 mg/l
 Target: Freshwater sediments - Value: 284.74 mg/kg
 Target: Marine water sediments - Value: 287.7 mg/kg
 Target: Soil (agricultural) - Value: 22.5 mg/kg
- 2-methoxy-1-methylethyl acetate - CAS: 108-65-6
 Target: Fresh Water - Value: 0.635 mg/l
 Target: Marine water - Value: 0.0635 mg/l
 Target: Microorganisms in sewage treatments - Value: 100 mg/l
 Target: Freshwater sediments - Value: 3.29 mg/kg
 Target: Marine water sediments - Value: 0.329 mg/kg
 Target: Soil (agricultural) - Value: 0.29 mg/kg
 Target: PNEC intermittent - Value: 6.35 mg/l
- 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
- 1-EHTYLPYRROLIDIN-2-ONE - CAS: 2687-91-4
 Target: Fresh Water - Value: 0.25 mg/l
 Target: Marine water - Value: 0.025 mg/l
 Target: Freshwater sediments - Value: 1.91 mg/kg
 Target: Soil (agricultural) - Value: 0.235 mg/l
 Target: Marine water sediments - Value: 0.191 mg/kg
 Target: Microorganisms in sewage treatments - Value: 10 mg/l

Appropriate engineering controls:

None

Individual protection measures

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:	Silver Liquid	--	--
Odour:	Solvent	--	--
Odour threshold:	N.A.	--	--
pH:	N.A.	--	--
Melting point / freezing point:	N.A.	--	--

Safety Data Sheet

Ultraconductive 4011 PT A

Initial boiling point and boiling range:	102-118	--	--
Flash Point (°F):	46	--	--
Flash point (°C):	7	--	--
Evaporation rate:	N.A.	--	--
Solid/gas flammability:	N.A.	--	--
Upper/lower flammability or explosive limits:	N.A.	--	--
Vapour pressure:	Not Determined	--	--
Vapour density:	Heavier than air	--	--
Relative density:	1.51 g/L	--	--
Solubility in water:	Insoluble	--	--
Solubility in oil:	N.A.	--	--
Partition coefficient (n-octanol/water):	N.A.	--	--
Auto-ignition temperature:	N.A.	--	--
Decomposition temperature:	N.A.	--	--
Viscosity:	>500	--	--
Explosive properties:	N.A.	--	--
Oxidizing properties:	N.A.	--	--

9.2. Other information

Properties	Value	Method:	Notes
Miscibility:	N.A.	--	--
Fat Solubility:	N.A.	--	--
Conductivity:	N.A.	--	--
Substance Groups relevant properties	N.A.	--	--

10. STABILITY AND REACTIVITY

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.

Safety Data Sheet

Ultraconductive 4011 PT A

Toxicological information of the main substances found in the product:

butanone; ethyl methyl ketone - CAS: 78-93-3

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat > 2000 mg/kg

Test: LD50 - Route: Skin - Species: Rabbit > 2000 mg/kg

Test: LC50 - Route: Inhalation > 5000 ppm

2-methoxy-1-methylethyl acetate - CAS: 108-65-6

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat > 5000 mg/kg

Test: LD50 - Route: Skin - Species: Rat > 2000 mg/kg

Test: LC50 - Route: Inhalation - Species: Rat > 10.8 mg/l

Test: LC50 - Route: Skin - Species: Rabbit > 5000 mg/kg

Formaldehyde, oligomeric reaction products with 1-chloro-2,3-epoxypropane and phenol -

CAS: 9003-36-5

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat > 5000 MGKGBW DAY

Test: LD50 - Route: Skin - Species: Rat = 2000 mg/kg - Duration: 48h

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

a) acute toxicity:

Test: LD50 - Route: Skin - Species: Rabbit = 14112 MGKGBW DAY

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

g) reproductive toxicity:

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

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

i) STOT-repeated exposure:

Test: NOAEL - Species: Rat = 500 ppm

1-EHTYLPYRROLIDIN-2-ONE - CAS: 2687-91-4

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat = 3200 mg/kg

Test: LD50 - Route: Skin - Species: Rat > 2000 mg/kg

Test: LC50 - Route: Inhalation - Species: Rat > 5.1 mg/l - Duration: 4h

Substance(s) listed on the NTP report on Carcinogens:

None.

Substance(s) listed on the IARC Monographs:

None.

Substance(s) listed as OSHA Carcinogen(s):

None.

Substance(s) listed as NIOSH Carcinogen(s):

None.

12. ECOLOGICAL INFORMATION

Ecotoxicity

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

butanone; ethyl methyl ketone - CAS: 78-93-3

a) Aquatic acute toxicity:

Endpoint: EC50 - Species: Daphnia = 13 mg/l - Duration h: 48

Endpoint: LC50 - Species: Fish > 1000 mg/l - Duration h: 96 - Notes: Oncorhynchus mykiss

Safety Data Sheet

Ultraconductive 4011 PT A

Endpoint: EC50 - Species: Algae > 100 mg/l - Duration h: 168 - Notes: Desmodesmus subspicatus

2-methoxy-1-methylethyl acetate - CAS: 108-65-6

a) Aquatic acute toxicity:

Endpoint: EC50 - Species: Algae > 1000 mg/l

Endpoint: LC50 - Species: Fish = 134 mg/l

Endpoint: EC50 - Species: Daphnia = 408 mg/l

b) Aquatic chronic toxicity:

Endpoint: NOEC - Species: Fish = 47.5 mg/l - Duration h: 336 - Notes: Oryzias latipes

Endpoint: NOEC - Species: Daphnia > 100 mg/l - Duration h: 504

Formaldehyde, oligomeric reaction products with 1-chloro-2,3-epoxypropane and phenol - CAS: 9003-36-5

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish = 2.54 mg/l - Duration h: 96

Endpoint: EC50 - Species: Daphnia = 2.55 mg/l - Duration h: 48

Endpoint: EC50 - Species: Algae = 1.5 mg/l - Duration h: 72

b) Aquatic chronic toxicity:

Endpoint: EC50 - Species: Daphnia = 0.3 mg/l - Duration h: 504

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

1-EHTYLPYRROLIDIN-2-ONE - CAS: 2687-91-4

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish > 464 mg/l - Duration h: 96 - Notes: Danio rerio

Endpoint: EC50 - Species: Daphnia > 104 mg/l - Duration h: 48 - Notes: Daphnia magna

Endpoint: EC50 - Species: Algae > 101 mg/l - Duration h: 72 - Notes: Desmodesmus subspicatus

b) Aquatic chronic toxicity:

Endpoint: NOEC - Species: Daphnia = 12.5 mg/l - Duration h: 504

c) Bacteria toxicity:

Endpoint: EC50 - Species: bacteria > 1.000 mg/l - Duration h: 16

Persistence and degradability

butanone; ethyl methyl ketone - CAS: 78-93-3

Biodegradability: Readily biodegradable - Duration: 28 days - %: 98 - Notes: aerobic

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

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

Bioaccumulative potential

butanone; ethyl methyl ketone - CAS: 78-93-3

Log Pow 0.3

Log Kow 0.3

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

BCF 15.3

Log Kow 2.3 - Notes: 25°C

Safety Data Sheet

Ultraconductive 4011 PT A

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

Waste treatment and disposal 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.

14. TRANSPORT INFORMATION



UN number

ADR-UN Number: 1263
 DOT number: UN1263
 IATA-UN Number: 1263
 IMDG-UN Number: 1263

UN proper shipping name

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

Transport hazard class(es)

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

Packing group

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

Environmental hazards

ADR-Environmental Pollutant: Yes
 IMDG-Marine pollutant: Marine Pollutant
 Most important toxic component: Silver Powder/Silver Flakes

Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC Code)
 N.A.

Special precautions

DOT Special provisions: 149, 367, 383, B52, B131, IB2, T4, TP1, TP8, TP28
 DOT Labels: 3
 ADR-Subsidiary hazards: -
 ADR-S.P.: 163 367 640C 650
 ADR-Transport category (Tunnel restriction code): 2 (D/E)

Safety Data Sheet

Ultraconductive 4011 PT A

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:	-
Q.L.: 5L	
Q.E.: E2	

15. REGULATORY INFORMATION

USA - Federal regulations

TSCA - Toxic Substances Control Act

List of substances included in the TSCA inventory: BUTANONE;ETHYL METHYL KETONE, 2-methoxy-1-methylethyl acetate, Formaldehyde, oligomeric reaction products with 1-chloro-2,3-epoxypropane and phenol, n-butyl acetate, 1-EHTYLPYRROLIDIN-2-ONE.

List of substances not included in the TSCA inventory: Silver Powder/Silver Flakes, Nanostrentgh CRP N Powder.

TSCA sections for substances listed in section 3:

BUTANONE;ETHYL METHYL KETONE is listed in TSCA Section 8b, Section 8d HSDR

2-methoxy-1-methylethyl acetate is listed in TSCA Section 8a - PAIR, Section 8b, Section 8d HSDR

Formaldehyde, oligomeric reaction products with 1-chloro-2,3-epoxypropane and phenol is listed in TSCA Section 8b

n-butyl acetate is listed in TSCA Section 8b

1-EHTYLPYRROLIDIN-2-ONE is listed in TSCA Section 8b.

SARA - Superfund Amendments and Reauthorization Act

Section 302 Extremely Hazardous Substances: no substances listed.

Section 304 Hazardous substances: BUTANONE;ETHYL METHYL KETONE, n-butyl acetate.

Section 313 Toxic chemical list: no substances listed.

CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act

Substance(s) listed under CERCLA: BUTANONE;ETHYL METHYL KETONE - Reportable quantity: 5000 pounds

n-butyl acetate - Reportable quantity: 5000 pounds.

Reportable quantity for mixture: 17525.41185 pounds.

CAA - Clean Air Act

CAA listed substances:

BUTANONE;ETHYL METHYL KETONE is listed in CAA Section 111, Section 112(b) - HAP, Section 112(b) - HON

n-butyl acetate is listed in CAA Section 111.

CWA - Clean Water Act

CWA listed substances:

n-butyl acetate is listed in CWA Section 304, Section 311.

USA - State specific regulations

California Proposition 65

Substance(s) listed under California Proposition 65:

None.

Safety Data Sheet

Ultraconductive 4011 PT A

Massachusetts Right to know

Substance(s) listed under Massachusetts Right to know:
BUTANONE;ETHYL METHYL KETONE
n-butyl acetate.

New Jersey Right to know

Substance(s) listed under New Jersey Right to know:
BUTANONE;ETHYL METHYL KETONE
n-butyl acetate.

Pennsylvania Right to know

Substance(s) listed under Pennsylvania Right to know:
BUTANONE;ETHYL METHYL KETONE
n-butyl acetate.

The following substance(s) in this product has/have an identification by CAS number either in countries not affected by the REACH regulation or in regulations not yet updated to reflect the new naming convention for hydrocarbon solvents:

16. OTHER INFORMATION

Full text of phrases referred to in Section 3:

H410 Very toxic to aquatic life with long lasting effects.

H315 Causes skin irritation.

H225 Highly flammable liquid and vapour.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

H226 Flammable liquid and vapour.

H317 May cause an allergic skin reaction.

H335 May cause respiratory irritation.

H227 Combustible liquid.

H318 Causes serious eye damage.

H360 May damage fertility or the unborn child.

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Disclaimer:

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. The information relates only to the specific material and may not be valid for such material used in combination with any other material or in any process.

This Safety Data Sheet cancels and replaces any preceding release.

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.
GHS:	Globally Harmonized System of Classification and Labeling of Chemicals.
HMIS:	Hazardous Materials Identification System
IARC:	International Agency for Research on Cancer
IATA:	International Air Transport Association.

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Ultraconductive 4011 PT A

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.
NFPA:	National Fire Protection Association
NIOSH:	National Institute for Occupational Safety and Health
NTP:	National Toxicology Program
OSHA:	Occupational Safety and Health Administration
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