

# Safety Data Sheet

## D10 UNIVERSAL THINNER NORMAL



Safety Data Sheet dated 2/1/2017, version 1

### 1. IDENTIFICATION

Product identifier

Mixture identification:

Trade code and name: D10 UNIVERSAL THINNER NORMAL

Recommended use of the chemical and restrictions on use

Recommended use:

Thinner

Restrictions on use:

Only for professional use.

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

Company:

Industria Chimica Reggiana I.C.R. Spa

Via Gasparini, 7 42124 REGGIO EMILIA Italia

Tel. +39 0522/517803 Fax +39 0522/514384

Competent person responsible for the safety data sheet:

sdsre@icrsprint.it

Emergency phone number

Via Gasparini, 7 42124 REGGIO EMILIA Italia

Tel. +39 0522/517803 Fax +39 0522/514384

### 2. HAZARD(S) IDENTIFICATION

Classification of the chemical

⚠ Danger, Flam. Liq. 2, Highly flammable liquid and vapour.

⚠ Warning, Eye Irrit. 2A, Causes serious eye irritation.

⚠ Warning, STOT SE 3, May cause respiratory irritation.

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

⚠ Danger, Asp. Tox. 1, May be fatal if swallowed and enters airways.  
Aquatic Chronic 3, Harmful to aquatic life with long lasting effects.

Label elements

Hazard pictograms:



Danger

Hazard statements:

H225 Highly flammable liquid and vapour.

H319 Causes serious eye irritation.

H335 May cause respiratory irritation.

H336 May cause drowsiness or dizziness.

H304 May be fatal if swallowed and enters airways.

H412 Harmful to aquatic life with long lasting effects.

Precautionary statements:

P210 Keep away from open flames - No smoking.

P260 Do not breathe vapours or spray.

P273 Avoid release to the environment.

P280 Wear protective gloves and eye protection.

P301+P310 IF SWALLOWED: Immediately call a doctor.

P331 Do NOT induce vomiting.

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

Special Provisions:

None

Contains

n-butyl acetate

4-methylpentan-2-one

Naphtha

Hazards not otherwise classified identified during the classification process:

None

Ingredient(s) with unknown acute toxicity:

None.

Additional classification information

NFPA rating:

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HMIS rating:

HEALTH	*	2
FLAMMABILITY		3
PHYSICAL HAZARD		0
PERSONAL PROTECTION		H

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substances

N.A.

Mixtures

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

>= 50% - < 60% n-butyl acetate

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

>= 20% - < 25% Solvent naphtha (petroleum), light arom.

REACH No.: 01-2119455851-35, Index number: 649-356-00-4, CAS: 64742-95-6, EC: 265-199-0

⚠ B.6/3 Flam. Liq. 3 H226

⚠ A.8/3 STOT SE 3 H335

⚠ A.8/3 STOT SE 3 H336

⚠ US-HAE/C2 Aquatic Chronic 2 H411

⚠ A.10/1 Asp. Tox. 1 H304

>= 10% - < 12.5% 4-methylpentan-2-one

REACH No.: 01-2119473980-30, Index number: 606-004-00-4, CAS: 108-10-1, EC: 203-550-1

⚠ B.6/2 Flam. Liq. 2 H225

⚠ A.3/2A Eye Irrit. 2A H319

⚠ A.8/3 STOT SE 3 H335

⚠ A.1/4/Inhal Acute Tox. 4 H332

### 4. FIRST-AID MEASURES

Description of necessary measures

In case of skin contact:

Immediately take off all contaminated clothing.

Areas of the body that have - or are only even suspected of having - come into contact with the product must be rinsed immediately with plenty of running water and possibly with soap. If irritation persists: Get medical advice/attention.

Wash thoroughly the body (shower or bath).

Remove contaminated clothing immediately and dispose off 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 a medic immediately.

Protect uninjured eye.

In case of Ingestion:

Do NOT induce vomiting.

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In case of Inhalation:

In case of inhalation, consult a doctor immediately and show him packing or label.

Most important symptoms/effects, acute and delayed

See section 11 for known symptoms and effects.

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:

None

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### 5. FIRE-FIGHTING MEASURES

Suitable extinguishing media:

CO2 or Dry chemical fire extinguisher.

Unsuitable extinguishing media:

None in particular.

Specific hazards arising from the chemical

Do not inhale explosion and combustion gases.

Burning produces heavy smoke. Carbon oxides.

Hazardous combustion products:

None

Explosive properties:

N.D.

Oxidizing properties:

N.D.

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.

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### 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment, and emergency procedures

Wear personal protection equipment.

Remove all sources of ignition.

Wear breathing apparatus if exposed to vapours/dusts/aerosols.

Provide adequate ventilation.

Remove persons to safety.

Use appropriate respiratory protection.

See protective measures under point 7 and 8.

Methods and materials for containment and cleaning up

Wash with plenty of water.

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### 7. HANDLING AND STORAGE

Precautions for safe handling

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

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

Use localized ventilation system.

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

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

Contaminated clothing should be changed before entering eating areas.

Do not eat or drink while working.

See also section 8 for recommended protective equipment.

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.

Keep away from food, drink and feed.

Incompatible materials:

None in particular.

Instructions as regards storage premises:

Cool and adequately ventilated.

Storage temperature:

Store at ambient temperature.

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### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

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

EU - TWA(8h): 713 mg/m<sup>3</sup>, 150 ppm - STEL(): 200 ppm

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

Solvent naphtha (petroleum), light arom. - CAS: 64742-95-6

EU - TWA(8h): 100 mg/m<sup>3</sup>, 19 ppm

4-methylpentan-2-one - CAS: 108-10-1

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Italy - TWA(8h): 83 mg/m<sup>3</sup>, 20 ppm - STEL(): 208 mg/m<sup>3</sup>, 50 ppm  
EU - TWA(8h): 83 mg/m<sup>3</sup>, 20 ppm - STEL: 208 mg/m<sup>3</sup>, 50 ppm  
ACGIH - TWA(8h): 20 ppm - STEL: 75 ppm - Notes: A3, BEI - URT irr, dizziness, headache

### DNEL Exposure Limit Values

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

Consumer: 102.34 mg/m<sup>3</sup> - Exposure: Human Inhalation - Frequency: Long Term, local effects

Worker Professional: 960 mg/m<sup>3</sup> - Consumer: 859.7 mg/m<sup>3</sup> - Exposure: Human Inhalation - Frequency: Short Term, systemic effects

Worker Professional: 960 mg/m<sup>3</sup> - Consumer: 859.7 mg/m<sup>3</sup> - Exposure: Human Inhalation - Frequency: Short Term, local effects

Worker Professional: 480 mg/m<sup>3</sup> - Consumer: 102.34 mg/m<sup>3</sup> - Exposure: Human Inhalation - Frequency: Long Term, systemic effects

Worker Professional: 480 mg/m<sup>3</sup> - Exposure: Human Inhalation - Frequency: Long Term, local effects

4-methylpentan-2-one - CAS: 108-10-1

Worker Professional: 83 mg/m<sup>3</sup> - Consumer: 14.7 mg/m<sup>3</sup> - Exposure: Human Inhalation - Frequency: Long Term, systemic effects

Worker Professional: 208 mg/m<sup>3</sup> - Consumer: 115.2 mg/m<sup>3</sup> - Exposure: Human Inhalation - Frequency: Short Term, systemic effects

Worker Professional: 83 mg/m<sup>3</sup> - Exposure: Human Inhalation - Frequency: Long Term, local effects

Worker Professional: 208 mg/m<sup>3</sup> - Exposure: Human Inhalation - Frequency: Short Term, local effects

Worker Professional: 11.8 mg/kg - Consumer: 4.2 mg/kg - Exposure: Human Dermal - Frequency: Long Term, systemic effects

### PNEC Exposure Limit Values

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

Target: STP - Value: 35.6 mg/l

Target: Fresh Water - Value: 0.18 mg/l

Target: Marine water - Value: 0.01 mg/l

Target: Intermittent emissions - Value: 0.36 mg/l

Target: Freshwater sediments - Value: 0.98 mg/kg

Target: Marine water sediments - Value: 0.09 mg/kg

Target: Soil - Value: 0.09 mg/kg

### 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, EN374 Class 3 (B-F-I). Permeation time > 60 minutes; 0.4 mm thickness.

#### Respiratory protection:

Use respiratory protection where ventilation is insufficient or exposure is prolonged.

Use adequate protective respiratory equipment.

#### Thermal Hazards:

None

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance and colour:	Transparent colourless liquid
Odour:	Typical of solvent
Odour threshold:	N.D.
pH:	N.A.
Melting point / freezing point:	-86.8°F
Initial boiling point and boiling range:	240.8°F
Solid/gas flammability:	N.A.
Upper/lower flammability or explosive limits:	0,7 - 7,0 % vol
Vapour density:	4,6 (aria = 1)
Flash point:	57.2°F
Evaporation rate:	N.D.
Vapour pressure:	20,93 hPa
Relative density:	0,85 g/cm <sup>3</sup>
Solubility in water:	Insoluble
Solubility in oil:	N.D.
Auto-ignition temperature:	631.4°F
Decomposition temperature:	N.D.
Viscosity:	N.D.
Miscibility:	N.D.

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Fat Solubility: N.A.  
Conductivity: N.A.  
Substance Groups relevant properties N.A.

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### 10. STABILITY AND REACTIVITY

#### Reactivity

Stable under normal conditions

#### Chemical stability

Stable under normal conditions

#### Possibility of hazardous reactions

It may generate flammable gases on contact with elementary metals (alkalis and alkaline earth), and nitrides.

It may catch fire on contact with oxidising mineral acids, powerful oxidising agents, and powerful reducing agents.

#### Conditions to avoid

Stable under normal conditions.

#### Incompatible materials

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

#### Hazardous decomposition products

None.

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### 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

##### a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat > 6400 mg/kg

Test: LD50 - Route: Skin - Species: Rabbit > 5000 mg/kg

Test: LC50 - Route: Inhalation - Species: Rat = 21.1 mg/l - Duration: 4h

Solvent naphtha (petroleum), light arom. - CAS: 64742-95-6

##### a) acute toxicity:

Test: LC50 - Route: Inhalation - Species: Rat > 6193 mg/m3

Test: LD50 - Route: Oral - Species: Rat = 3592 mg/kg

Test: LD50 - Route: Skin - Species: Rabbit > 3160 mg/kg

4-methylpentan-2-one - CAS: 108-10-1

##### a) acute toxicity:

Test: LC50 - Route: Inhalation - Species: Mouse = 23.29 g/m3

Test: LD50 - Route: Oral - Species: Rat = 2080 mg/kg

Test: LD50 - Route: Skin - Species: Rabbit > 16000 g/kg

Solvent naphtha (petroleum), light arom. - CAS: 64742-95-6

ACUTE: Inhalation: Vapor concentration above recommended exposure levels may be irritating to the eyes and the respiratory tract, may cause headaches and dizziness, could be anesthetic and may other nervous system effects.

Skin contact: Low order of toxicity. Frequent or prolonged contact may defat and dry the skin, leading to discomfort and dermatitis.

Eye contact: Will cause eye discomfort, but will not injure eye tissue.

Ingestion: Small amounts of liquid aspirated into the respiratory system during ingestion or from vomiting may cause bronchopneumonia or pulmonary edema. Minimal toxicity.

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

None.

#### Substance(s) listed on the IARC Monographs:

4-methylpentan-2-one - Group 2B.

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

None.

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

None.

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### 12. ECOLOGICAL INFORMATION

#### Ecotoxicity

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

Endpoint: EC50 - Species: Algae = 648 mg/l - Duration h: 72

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

Solvent naphtha (petroleum), light arom. - CAS: 64742-95-6

##### a) Aquatic acute toxicity:

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Endpoint: EC50 - Species: Daphnia = 3.2 mg/l - Duration h: 48  
Endpoint: EC50 - Species: Algae = 2.9 mg/l - Duration h: 72  
Endpoint: LC50 - Species: Fish = 9.2 mg/l  
Endpoint: EC50 - Species: Algae = 1 mg/l - Notes: NOEC  
4-methylpentan-2-one - CAS: 108-10-1  
a) Aquatic acute toxicity:  
Endpoint: EC50 - Species: Daphnia > 200 mg/l - Duration h: 48  
Endpoint: LC50 - Species: Fish > 179 mg/l - Duration h: 96  
Endpoint: NOEC - Species: Daphnia = 30 mg/l  
Endpoint: NOEC - Species: Algae > 146 mg/l

Persistence and degradability

N.A.

Bioaccumulative potential

N.A.

Mobility in soil

N.A.

Other adverse effects

None

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### 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.

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### 14. TRANSPORT INFORMATION



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-Label: 3  
ADR - Hazard identification number: 33  
IATA-Class: 3  
IATA-Label: 3  
IMDG-Class: 3  
IMDG-Class: 3.2

Packing group

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

Environmental hazards

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

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

N.A.

Special precautions

ADR-Subsidiary risks: -  
ADR-S.P.: 163 367 640C 650  
ADR-Transport category (Tunnel restriction code): 2 (D/E)  
IATA-Passenger Aircraft: 353  
IATA-Subsidiary risks: -  
IATA-Cargo Aircraft: 364  
IATA-S.P.: A3 A72 A192  
IATA-ERG: 3L  
IMDG-Page: 3372

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IMDG-EmS: F-E , S-E  
IMDG-Subsidiary risks: -  
IMDG-MFAG: 310-313  
IMDG-Stowage and handling: Category B  
IMDG-Segregation: -

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### 15. REGULATORY INFORMATION

#### USA - Federal regulations

##### TSCA - Toxic Substances Control Act

TSCA inventory: all the components are listed on the TSCA inventory.

TSCA listed substances:

n-butyl acetate is listed in TSCA Section 8b

Solvent naphtha (petroleum), light arom. is listed in TSCA Section 8b, Section 8d HSDR

4-methylpentan-2-one is listed in TSCA Section 8b, Section 8d HSDR.

##### SARA - Superfund Amendments and Reauthorization Act

Section 302 - Extremely Hazardous Substances: no substances listed.

Section 304 - Hazardous substances: n-butyl acetate, 4-methylpentan-2-one.

Section 313 - Toxic chemical list: 4-methylpentan-2-one.

##### CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act

Substance(s) listed under CERCLA: n-butyl acetate - Reportable quantity: 5000 pounds

4-methylpentan-2-one - Reportable quantity: 5000 pounds.

Reportable quantity for mixture: 909.0909091 pounds.

##### CAA - Clean Air Act

CAA listed substances:

n-butyl acetate is listed in CAA Section 111

4-methylpentan-2-one is listed in CAA Section 111, Section 112(b) - HAP, Section 112(b) - HON.

##### CWA - Clean Water Act

CWA listed substances:

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

4-methylpentan-2-one is listed in CWA Section 304.

#### USA - State specific regulations

##### California Proposition 65

Substance(s) listed under California Proposition 65:

4-methylpentan-2-one - Listed as carcinogen and reproductive toxicant.

##### Massachusetts Right to know

Substance(s) listed under Massachusetts Right to know:

n-butyl acetate

4-methylpentan-2-one.

##### New Jersey Right to know

Substance(s) listed under New Jersey Right to know:

n-butyl acetate

4-methylpentan-2-one.

##### Pennsylvania Right to know

Substance(s) listed under Pennsylvania Right to know:

n-butyl acetate

4-methylpentan-2-one.

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### 16. OTHER INFORMATION

Full text of phrases referred to in Section 3:

H226 Flammable liquid and vapour.

H336 May cause drowsiness or dizziness.

H335 May cause respiratory irritation.

H411 Toxic to aquatic life with long lasting effects.

H304 May be fatal if swallowed and enters airways.

H225 Highly flammable liquid and vapour.

H319 Causes serious eye irritation.

H332 Harmful if inhaled.

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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.

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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.
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