

**1 Identification of the substance/preparation and of the company/undertaking**

- **Product details**
- **Trade name:** CT1 Multisolve
- **Article number:** 683041
- **Application of the substance / the preparation** Removing adhesive, degreasing and cleaning
- **Manufacturer/Supplier:**  
CTec  
Unit 4, Ashtree Enterprise Park  
Newry BT34 1BY  
Tel.: +44 2830834892  
Fax.: +44 2830264444  
N. Ireland  
E-mail: [info@ct1ltd.com](mailto:info@ct1ltd.com) Internet: [www.ct1ltd.com](http://www.ct1ltd.com)
- **Further information obtainable from:**  
Product safety department  
[info@ct1ltd.com](mailto:info@ct1ltd.com)
- **Information in case of emergency:** Tel: +44 2830834892

**2 Hazards identification**

- **Hazard description:**



*F+ Extremely flammable*

- **Information concerning particular hazards for human and environment:**

The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

*Harmful: may cause lung damage if swallowed.*

*R 12 Extremely flammable.*

*R 66 Repeated exposure may cause skin dryness or cracking.*

*Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use.*

*Do not spray on a naked flame or any incandescent material. Keep away from sources of ignition - No smoking.*

*Buildup of explosive mixtures possible without sufficient ventilation.*

*Keep out of the reach of children*

- **Classification system:**

The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

**3 Composition/information on ingredients**

- **Chemical characterization**

- **Description:** Mixture of substances listed below with nonhazardous additions.

- **Dangerous components:**

CAS: 64742-48-9 EINECS: 265-150-3	Naphtha (petroleum), hydrotreated heavy	 Xn; R 10-65-66	50-100%
CAS: 75-28-5 EINECS: 200-857-2	isobutane	 F+; R 12	10-25%
CAS: 74-98-6 EINECS: 200-827-9	propane	 F+; R 12	10-25%
CAS: 106-97-8 EINECS: 203-448-7	butane	 F+; R 12	2.5-10%

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**· Regulation (EC) No 648/2004 on detergents / Labelling for contents**

aliphatic hydrocarbons	≥ 30%
aromatic hydrocarbons	< 5%

**· Additional information:** For the wording of the listed risk phrases refer to section 16.**4 First aid measures****· After inhalation:**

Supply fresh air; consult doctor in case of complaints.  
Take affected persons into fresh air and keep quiet.

**· After skin contact:**

Immediately wash with water and soap and rinse thoroughly.  
Immediately remove any clothing soiled by the product.

**· After eye contact:**

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

**· After swallowing:** Do not induce vomiting; call for medical help immediately.**5 Fire-fighting measures****· Suitable extinguishing agents:**

Foam  
Fire-extinguishing powder  
Carbon dioxide

**· For safety reasons unsuitable extinguishing agents:** Water with full jet**· Special hazards caused by the substance, its products of combustion or resulting gases:**  
Can form explosive gas-air mixtures.

Formation of toxic gases is possible during heating or in case of fire.

**· Protective equipment:** Wear self-contained respiratory protective device.**· Additional information**

Cool endangered receptacles with water spray.

Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

**6 Accidental release measures****· Person-related safety precautions:**

Wear protective equipment. Keep unprotected persons away.

Ensure adequate ventilation

Keep away from ignition sources.

**· Measures for environmental protection:** No special measures required.**· Measures for cleaning/collecting:**

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Ensure adequate ventilation.

**· Additional information:** See Section 13 for disposal information.**7 Handling and storage****· Handling:****· Information for safe handling:**

Ensure good ventilation/exhaustion at the workplace.

Avoid contact with skin and eyes.

**· Information about fire - and explosion protection:**

Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

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Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C, i.e. electric lights. Do not pierce or burn, even after use.

Do not spray onto a naked flame or any incandescent material.

**· Storage:****· Requirements to be met by storerooms and receptacles:**

Store in a cool location.

Observe official regulations on storing packagings with pressurized containers.

**· Information about storage in one common storage facility:** Not required.**· Further information about storage conditions:** Protect from heat and direct sunlight.**8 Exposure controls/personal protection****· Additional information about design of technical facilities:** No further data; see item 7.**· Ingredients with limit values that require monitoring at the workplace:****106-97-8 butane**

WEL	Short-term value: 1810 mg/m <sup>3</sup> , 750 ppm
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WEL	Long-term value: 1450 mg/m <sup>3</sup> , 600 ppm
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WEL	Carc (if more than 0.1% of buta-1,3-diene)
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**· Additional information:** The lists valid during the making were used as basis.**· Personal protective equipment:****· General protective and hygienic measures:**

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing

Wash hands before breaks and at the end of work.

Do not inhale gases / fumes / aerosols.

Avoid contact with the eyes and skin.

**· Respiratory protection:** Not necessary if room is well-ventilated.**· Recommended filter device for short term use:** Filter AX**· Protection of hands:**

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

**· Material of gloves**

Nitrile rubber, NBR

Recommended thickness of the material: ≥ 0.7 mm

**· Penetration time of glove material**

≥240 min

The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.

**· Eye protection:**

Tightly sealed goggles

**· Body protection:** Protective work clothing**9 Physical and chemical properties****· General Information**

<b>Form:</b>	Aerosol
<b>Colour:</b>	Colourless
<b>Odour:</b>	Solvent-like

**· Change in condition**

**Melting point/Melting range:** Undetermined.

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**Boiling point/Boiling range:** Not applicable, as aerosol.

**· Flash point:** Not applicable, as aerosol.

**· Ignition temperature:** >200°C

**· Danger of explosion:** Product is not explosive. However, formation of explosive air/vapour mixtures are possible.

**· Density at 20°C:** 0.65991 g/cm<sup>3</sup>

**· Solubility in / Miscibility with water:** Not miscible or difficult to mix.

**Organic solvents:** 100.0 %

**10 Stability and reactivity**

**· Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.

**· Dangerous reactions** No dangerous reactions known.

**· Dangerous decomposition products:**

Aldehyde

Carbon monoxide and carbon dioxide

**11 Toxicological information**

**· Acute toxicity:**

**· LD/LC50 values relevant for classification:**

64742-48-9 Naphtha (petroleum), hydrotreated heavy

Oral	LD50	>5000 mg/kg (rat)
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Dermal	LD50	>3000 mg/kg (rab)
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**· Primary irritant effect:**

**· on the skin:** No irritant effect.

**· on the eye:** No irritating effect.

**· Sensitization:** No sensitizing effects known.

**· Additional toxicological information:** Vapours have narcotic effect.

**12 Ecological information**

**· General notes:**

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water

Do not allow product to reach ground water, water course or sewage system.

**13 Disposal considerations**

**· Product:**

**· Recommendation**

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

**· European waste catalogue**

16 05 04	gases in pressure containers (including halons) containing dangerous substances
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15 01 04	metallic packaging
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**· Uncleaned packaging:****· Recommendation:** Disposal must be made according to official regulations.**14 Transport information****· Land transport ADR/RID (cross-border)****· ADR/RID class:** 2 5F Gases.**· Danger code (Kemler):** 23**· UN-Number:** 1950**· Packaging group:** -**· Hazard label:** 2.1**· Description of goods:** 1950 AEROSOLS**· Limited quantities (LQ)** LQ2**· Transport category** 2**· Tunnel restriction code** B1D**· Maritime transport IMDG:****· IMDG Class:** 2.1**· UN Number:** 1950**· Label** 2.1**· Packaging group:** -**· EMS Number:** F-D,S-U**· Marine pollutant:** No**· Proper shipping name:** AEROSOLS**· Air transport ICAO-TI and IATA-DGR:****· ICAO/IATA Class:** 2.1**· UN/ID Number:** 1950**· Label** 2.1**· Packaging group:** -**· Proper shipping name:** AEROSOLS, flammable**15 Regulatory information****· Labelling according to EU guidelines:**

The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials.

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**· Code letter and hazard designation of product:***F+ Extremely flammable***· Risk phrases:***12 Extremely flammable.**66 Repeated exposure may cause skin dryness or cracking.***· Safety phrases:***23 Do not breathe spray.**46 If swallowed, seek medical advice immediately and show this container or label.**51 Use only in well-ventilated areas.**56 Dispose of this material and its container to hazardous or special waste collection point.***· Special labelling of certain preparations:***Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use.**Do not spray on a naked flame or any incandescent material. Keep away from sources of ignition - No smoking.**Buildup of explosive mixtures possible without sufficient ventilation.**Keep out of the reach of children***16 Other information**

*This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.*

**· Relevant R-phrases***10 Flammable.**12 Extremely flammable.**65 Harmful: may cause lung damage if swallowed.**66 Repeated exposure may cause skin dryness or cracking.***· \* Data compared to the previous version altered.**

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