

**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

Product form : Mixture  
Name : PROMOSOLV NEO B2  
UFI : ADV0-90AC-400D-6JN4  
Product code : 050031900

**1.2. Relevant identified uses of the substance or mixture and uses advised against****1.2.1. Relevant identified uses**

Main use category : Industrial use  
Use of the substance/mixture : Cleaning solvent

**1.2.2. Uses advised against**

No additional information available

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

INVENTEC PERFORMANCE CHEMICALS SAS  
26 rue des coulons  
P.O. Box BP 27  
94363 BRY SUR MARNE  
France  
T +33 (0) 1 49 83 53 00 - F +33 (0) 1 48 81 24 40  
[ContactFDS@inventec.dehon.com](mailto:ContactFDS@inventec.dehon.com)

**1.4. Emergency telephone number**

Emergency number : +33 (0) 1 72 11 00 03 - 24h/24 7j/7

Country	Organisation/Company	Address	Emergency number	Comment
United Kingdom	National Poisons Information Service (Birmingham Centre) City Hospital	Dudley Road B18 7QH Birmingham	0344 892 0111	Only for healthcare professionals

**SECTION 2: Hazards identification****2.1. Classification of the substance or mixture****Classification according to Regulation (EC) No. 1272/2008 [CLP]**

Acute Tox. 4 (Inhalation:dust,mist) H332  
Eye Irrit. 2 H319  
STOT SE 3 H336  
Aquatic Chronic 3 H412  
Full text of hazard classes, H- and EUH-statements: see section 16

**Adverse physicochemical, human health and environmental effects**

No additional information available

**2.2. Label elements****Labelling according to Regulation (EC) No. 1272/2008 [CLP]**

Hazard pictograms (CLP) :



GHS07

# PROMOSOLV NEO B2

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

Signal word (CLP)	: Warning
Contains	: trans-dichloroethylene
Hazard statements (CLP)	: H319 - Causes serious eye irritation. H332 - Harmful if inhaled. H336 - May cause drowsiness or dizziness. H412 - Harmful to aquatic life with long lasting effects.
Precautionary statements (CLP)	: P261 - Avoid breathing vapours. P280 - Wear protective gloves, protective clothing, eye protection, face protection. 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.
EUH-statements	: EUH018 - In use may form flammable/explosive vapour-air mixture.

### 2.3. Other hazards

Contains no PBT/vPvB substances  $\geq 0.1\%$  assessed in accordance with REACH Annex XIII

Component	
trans-dichloroethylene (156-60-5)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
trans-dichloroethylene	CAS-No.: 156-60-5 EC-No.: 205-860-2 EC Index-No.: 602-026-00-3 REACH-no: 01-2120093504-55-0006	> 50	Flam. Liq. 2, H225 Acute Tox. 4 (Inhalation), H332 Eye Irrit. 2, H319 STOT SE 3, H336 Aquatic Chronic 3, H412
Trans-1-chloro-3,3,3-trifluoropropene substance with a Community workplace exposure limit	CAS-No.: 102687-65-0 EC-No.: 700-486-0 REACH-no: 01-2119855084-38	5 - 20	Press. Gas (Liq.), H280 Aquatic Chronic 3, H412

Full text of H- and EUH-statements: see section 16

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell.
First-aid measures after skin contact	: Wash with soapy water.
First-aid measures after eye contact	: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
First-aid measures after ingestion	: Rinse mouth. If you feel unwell, seek medical advice.

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### 4.2. Most important symptoms and effects, both acute and delayed

Symptoms/effects after inhalation : Harmful if inhaled. May cause drowsiness or dizziness.  
Symptoms/effects after eye contact : Eye irritation.

### 4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media : Dry powder. Carbon dioxide.  
Unsuitable extinguishing media : Strong water jet.

### 5.2. Special hazards arising from the substance or mixture

Explosion hazard : May form flammable/explosive vapour-air mixture.  
Hazardous decomposition products in case of fire : Toxic and corrosive vapours may be released. See Section 10.

### 5.3. Advice for firefighters

Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire fighting water from entering the environment.  
Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

General measures : Avoid contact with skin and eyes. Remove ignition sources. Do not breathe smoke. Do not smoke.

#### 6.1.1. For non-emergency personnel

Emergency procedures : Evacuate personnel to a safe area.

#### 6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. Eliminate all ignition sources if safe to do so.

### 6.2. Environmental precautions

Prevent entry to sewers and public waters. Avoid release to the environment. Dike and contain spill.

### 6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Dispose of contaminated material at an authorized site.

### 6.4. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection". For disposal of solid materials or residues refer to section 13 : "Disposal considerations".

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Precautions for safe handling : Provide good ventilation in process area to prevent formation of vapour. No open flames. No smoking. Handle and open container with care.  
Hygiene measures : Do not eat, drink or smoke when using this product. Always wash your hands immediately after handling this product, and once again before leaving the workplace.

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### 7.2. Conditions for safe storage, including any incompatibilities

Technical measures	: Take all necessary measures to avoid accidental discharge of products into drains and waterways due to the rupture of containers or transfer systems. Install a retention tank.
Storage conditions	: Store in a well-ventilated place. Keep container tightly closed. Keep away from naked flames/heat.
Incompatible products	: Strong bases. Oxidizing materials. Strong acids.
Packaging materials	: Uncoated steels. Unsuitable materials: Plastic materials.

### 7.3. Specific end use(s)

No additional information available

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### 8.1.1 National occupational exposure and biological limit values

No additional information available

#### 8.1.2. Recommended monitoring procedures

No additional information available

#### 8.1.3. Air contaminants formed

No additional information available

#### 8.1.4. DNEL and PNEC

trans-dichloroethylene (156-60-5)	
<b>DNEL/DMEL (Workers)</b>	
Long-term - systemic effects, inhalation	797 mg/m <sup>3</sup>
<b>DNEL/DMEL (General population)</b>	
Long-term - systemic effects, oral	57 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	198 mg/m <sup>3</sup>
<b>PNEC (Water)</b>	
PNEC aqua (freshwater)	36,4 µg/L
PNEC aqua (marine water)	3,6 µg/L
PNEC aqua (intermittent, freshwater)	363,6 µg/L
<b>PNEC (Sediment)</b>	
PNEC sediment (freshwater)	548.3 µg/kg sediment dw
PNEC sediment (marine water)	54,8 µg/kg sediment dw
<b>PNEC (Soil)</b>	
PNEC soil	56,3 µg/kg soil dw
<b>PNEC (STP)</b>	
PNEC sewage treatment plant	17 mg/l

#### 8.1.5. Control banding

No additional information available

### 8.2. Exposure controls

#### 8.2.1. Appropriate engineering controls

##### Appropriate engineering controls:

Ensure that there is a suitable ventilation system.

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### 8.2.2. Personal protection equipment

Personal protective equipment symbol(s):



#### 8.2.2.1. Eye and face protection

**Eye protection:**

Chemical goggles or safety glasses

#### 8.2.2.2. Skin protection

**Skin and body protection:**

Majority cotton protective clothing

**Hand protection:**

Nitrile-rubber protective gloves

#### 8.2.2.3. Respiratory protection

**Respiratory protection:**

In case of insufficient ventilation, wear suitable respiratory equipment. Mask with {0} canister A

#### 8.2.2.4. Thermal hazards

No additional information available

### 8.2.3. Environmental exposure controls

**Other information:**

Do not eat, drink or smoke during use. Safety shower. Eye fountain.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: Colourless.
Appearance	: Clear.
Odour	: Not available
Odour threshold	: Not available
Melting point	: Not available
Freezing point	: Not available
Boiling point	: 43 °C
Flammability	: Non flammable
Explosive properties	: Not explosive material according to EC criteria.
Oxidising properties	: Non oxidizing material according to EC criteria.
Explosive limits	: Not available
Lower explosion limit	: Not available
Upper explosion limit	: Not available
Flash point	: None
Auto-ignition temperature	: Not available
Decomposition temperature	: Not available
pH	: Not available
Viscosity, kinematic	: Not available
Solubility	: Insoluble in water.
Partition coefficient n-octanol/water (Log Kow)	: Not available
Vapour pressure	: Not available
Vapour pressure at 50 °C	: Not available
Density	: 1.271 g/cm <sup>3</sup> (20°C)
Relative density	: Not available
Relative vapour density at 20 °C	: Not available
Particle characteristics	: Not applicable

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### 9.2. Other information

#### 9.2.1. Information with regard to physical hazard classes

No additional information available

#### 9.2.2. Other safety characteristics

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No dangerous reactions known under normal conditions of use.

### 10.2. Chemical stability

Stable at ambient temperature and under normal conditions of use.

### 10.3. Possibility of hazardous reactions

No dangerous polymerization.

### 10.4. Conditions to avoid

Vapours may form flammable and explosive mixture with air. Heat and ignition sources.

### 10.5. Incompatible materials

No additional information available

### 10.6. Hazardous decomposition products

Thermal decomposition may produce : Carbon oxides (CO, CO<sub>2</sub>), Perfluoroisobutylene, Hydrogen fluoride.

## SECTION 11: Toxicological information

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

Acute toxicity (oral) : Not classified  
Acute toxicity (dermal) : Not classified  
Acute toxicity (inhalation) : Harmful if inhaled.

PROMOSOLV NEO B2	
ATE CLP (dust,mist)	1.807 mg/l/4h
trans-dichloroethylene (156-60-5)	
LD50 oral rat	7902 – 9939 mg/kg
LD50 dermal rabbit	5000 mg/kg
LC50 Inhalation - Rat [ppm]	24100 ppm/4h
LC50 Inhalation - Rat (Vapours)	95.6 mg/l/4h
Trans-1-chloro-3,3,3-trifluoropropene (102687-65-0)	
LC50 Inhalation - Rat [ppm]	120000 ppm Animal: rat, Guideline: OECD Guideline 403 (Acute Inhalation Toxicity), 95% CL: 108500 - 133800

Skin corrosion/irritation : Not classified  
Serious eye damage/irritation : Causes serious eye irritation.  
Respiratory or skin sensitisation : Not classified  
Germ cell mutagenicity : Not classified  
Carcinogenicity : Not classified  
Reproductive toxicity : Not classified

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STOT-single exposure : May cause drowsiness or dizziness.

<b>trans-dichloroethylene (156-60-5)</b>	
LOAEL (oral, rat)	4500 mg/kg bodyweight CNS depression
STOT-single exposure	May cause drowsiness or dizziness.

STOT-repeated exposure : Not classified

<b>Trans-1-chloro-3,3,3-trifluoropropene (102687-65-0)</b>	
LOAEC (inhalation, rat, gas, 90 days)	4000 ppm Animal: rat, Animal sex: male, Guideline: OECD Guideline 413 (Subchronic Inhalation Toxicity: 90-Day Study)

Aspiration hazard : Not classified

### 11.2. Information on other hazards

No additional information available

## SECTION 12: Ecological information

### 12.1. Toxicity

Hazardous to the aquatic environment, short-term (acute) : Not classified

Hazardous to the aquatic environment, long-term (chronic) : Harmful to aquatic life with long lasting effects.

<b>trans-dichloroethylene (156-60-5)</b>	
LC50 - Fish [1]	135 mg/l
EC50 - Crustacea [1]	220 mg/l
EC50 96h - Algae [1]	48 mg/l

<b>Trans-1-chloro-3,3,3-trifluoropropene (102687-65-0)</b>	
LC50 - Fish [1]	≈ 38 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri)
EC50 - Crustacea [1]	82 mg/l Test organisms (species): Daphnia magna
EC50 72h - Algae [1]	> 215 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)

### 12.2. Persistence and degradability

<b>PROMOSOLV NEO B2</b>	
Persistence and degradability	May cause long-term adverse effects in the environment.

<b>trans-dichloroethylene (156-60-5)</b>	
Persistence and degradability	8 % biodegradation after 28 days. Not readily biodegradable.

<b>Trans-1-chloro-3,3,3-trifluoropropene (102687-65-0)</b>	
Persistence and degradability	0 % biodegradation after 28 days. Not readily biodegradable. (OECD 301D method).

### 12.3. Bioaccumulative potential

<b>trans-dichloroethylene (156-60-5)</b>	
Partition coefficient n-octanol/water (Log Pow)	2.06
Bioaccumulative potential	Low bioaccumulation potential.

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### Trans-1-chloro-3,3,3-trifluoropropene (102687-65-0)

Partition coefficient n-octanol/water (Log Pow)	2.2
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#### 12.4. Mobility in soil

No additional information available

#### 12.5. Results of PBT and vPvB assessment

No additional information available

#### 12.6. Endocrine disrupting properties

No additional information available

#### 12.7. Other adverse effects

No additional information available

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Product/Packaging disposal recommendations : Recycle or dispose of in compliance with current legislation. Dispose in a safe manner in accordance with local/national regulations. Dispose of contents/container to a hazardous or special waste collection point. Empty the packaging completely prior to disposal.

Additional information : The user's attention is drawn to the possible existence of specific european, national or local regulations regarding disposal.

Ecology - waste materials : Avoid release to the environment.

## SECTION 14: Transport information

In accordance with ADR / IMDG / IATA

ADR	IMDG	IATA
<b>14.1. UN number or ID number</b>		
Not regulated	Not regulated	Not regulated
<b>14.2. UN proper shipping name</b>		
Not regulated	Not regulated	Not regulated
<b>14.3. Transport hazard class(es)</b>		
Not regulated	Not regulated	Not regulated
<b>14.4. Packing group</b>		
Not regulated	Not regulated	Not regulated
<b>14.5. Environmental hazards</b>		
Not regulated	Not regulated	Not regulated
No supplementary information available		

### 14.6. Special precautions for user

#### Overland transport

Not regulated

#### Transport by sea

Not regulated



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### Air transport

Not regulated

### 14.7. Maritime transport in bulk according to IMO instruments

Not applicable

## SECTION 15: Regulatory information

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

#### 15.1.1. EU-Regulations

##### REACH Annex XVII (Restriction List)

Contains no REACH substances with Annex XVII restrictions

##### REACH Annex XIV (Authorisation List)

Contains no REACH Annex XIV substances

##### REACH Candidate List (SVHC)

Contains no substance on the REACH candidate list

##### PIC Regulation (Prior Informed Consent)

Contains no substance subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.

##### POP Regulation (Persistent Organic Pollutants)

Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

##### Ozone Regulation (1005/2009)

Contains no substance subject to REGULATION (EU) No 1005/2009 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 September 2009 on substances that deplete the ozone layer.

##### Explosives Precursors Regulation (2019/1148)

Contains no substance subject to Regulation (EU) 2019/1148 of the European Parliament and of the Council of 20 June 2019 on the marketing and use of explosives precursors.

##### Drug Precursors Regulation (273/2004)

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on drug precursors)

#### 15.1.2. National regulations

No additional information available

### 15.2. Chemical safety assessment

A chemical safety assessment has not been carried out for this mixture. Chemical Safety Assessments for substances contained may have been carried out by the registrants of the substances in accordance with Regulation (EC) No. 1907/2006, as amended.

**For the following substances of this mixture a chemical safety assessment has been carried out:**

trans-dichloroethylene

## SECTION 16: Other information

Data sources : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Other information : None.

### Full text of H- and EUH-statements:

Acute Tox. 4 (Inhalation)	Acute toxicity (inhal.), Category 4
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Full text of H- and EUH-statements:	
Acute Tox. 4 (Inhalation:dust,mist)	Acute toxicity (inhalation:dust,mist) Category 4
Aquatic Chronic 3	Hazardous to the aquatic environment – Chronic Hazard, Category 3
EUH018	In use may form flammable/explosive vapour-air mixture.
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Flam. Liq. 2	Flammable liquids, Category 2
H225	Highly flammable liquid and vapour.
H280	Contains gas under pressure; may explode if heated.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H336	May cause drowsiness or dizziness.
H412	Harmful to aquatic life with long lasting effects.
Press. Gas (Liq.)	Gases under pressure : Liquefied gas
STOT SE 3	Specific target organ toxicity – Single exposure, Category 3, Narcosis

Safety Data Sheet (SDS), EU

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.