



## SOLVON



**Halogen-free hydrocarbon solvent  
for drycleaning.**

### Characteristics

- SOLVON is chemically stable and can be distilled without decomposition.
- SOLVON is almost completely odour-free.
- SOLVON can be easily distilled; due to the narrow distillation range and the convenient evaporation number short drying times are possible.
- SOLVON exhibits anticorrosive properties.
- The solubility of SOLVON in water is below 20 mg/l (0.003oz/gal).

### Chemical-physical data

Appearance:	Colourless, clear liquid
Bulk density:	0,77 g/ml, 20 °C (68 °F)
Flash point	> 61 °C (141, 8 °F) (PMCC)
Boiling range:	180 °C – 205 °C (356-401 °F)
Evaporation number:	Approx. 80
Kauri butanol number:	Approx. 25

### Use and Storage

In closed containers, SOLVON has a minimum shelf life of 24 months.

SOLVON is not frost-sensitive.

Storage according to VbF A III.

Containers should be tightly closed after dispensing.

All the details given are correct to the best of our knowledge. They must be adjusted to suit operating conditions. We accept no liability in respect of this information.

## \* SECTION 1: Identification of the substance/mixture and of the company/undertaking

- **1.1 Product identifier**
- **Trade name:** Solvon
- **Article number:** 2063
- **CAS Number:**  
68551-17-7
- **EC number:**  
927-285-2
- **Index number:**  
002-713-66-9
- **Registration number** 01-2119480162-45-0000
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**  
No further relevant information available.
- **Application of the substance / the mixture** Halogen-free hydrocarbon solvent for cleaning textiles.
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
Chemische Fabrik Kreussler & Co. GmbH  
Postfach 120454  
D-65082 Wiesbaden
- **Further information obtainable from:**  
Department T-PS  
+49 (0) 611 9271-0  
msds-tc@kreussler.com
- **1.4 Emergency telephone number:** +49 (0) 611 9271-0

## \* SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**  
Asp. Tox. 1 H304 May be fatal if swallowed and enters airways.
- **2.2 Label elements**
- **Labelling according to Regulation (EC) No 1272/2008**  
The substance is classified and labelled according to the CLP regulation.
- **Hazard pictograms**



GHS08

- **Signal word** Danger
- **Hazard-determining components of labelling:**  
Isoparaffin C10-C13
- **Hazard statements**  
H304 May be fatal if swallowed and enters airways.
- **Precautionary statements**  
P261 Avoid breathing mist/vapours/spray.  
P301+P312 IF SWALLOWED: Call a doctor if you feel unwell.  
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
- **Additional information:**  
EUH066 Repeated exposure may cause skin dryness or cracking.
- **2.3 Other hazards**  
The product does not contain any organic halogen compounds (AOX), nitrates, heavy metal compounds or formaldehydes.
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.

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· vPvB: Not applicable.

## SECTION 3: Composition/information on ingredients

### 3.1 Chemical characterisation: Substances

- **CAS No. Description**  
68551-17-7 Isoparaffin C10-C13
- **Identification number(s)**
- **EC number:** 927-285-2
- **Index number:** 002-713-66-9

### Ingredients according to detergent regulation EC 648/2004

Aliphatic hydrocarbons

≥30%

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

- **General information:** No special measures required.
- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:** If skin irritation continues, consult a doctor.
- **After eye contact:** Rinse opened eye for several minutes under running water.
- **After swallowing:** If symptoms persist consult doctor.
- **4.2 Most important symptoms and effects, both acute and delayed**  
No further relevant information available.
- **4.3 Indication of any immediate medical attention and special treatment needed**  
No further relevant information available.

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

#### Suitable extinguishing agents:

CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

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

In case of fire, the following can be released:

Carbon monoxide (CO)

### 5.3 Advice for firefighters

· **Protective equipment:** Use normal protective clothing.

#### Additional information

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

## SECTION 6: Accidental release measures

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

Wear protective equipment. Keep unprotected persons away.

### 6.2 Environmental precautions: No special measures required.

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

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

Dispose contaminated material as waste according to item 13.

Ensure adequate ventilation.

### 6.4 Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Keep receptacles tightly sealed.

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No special measures required.

Ensure good ventilation/exhaustion at the workplace.

Prevent formation of aerosols.

· **Information about fire - and explosion protection:** No special measures required.· **7.2 Conditions for safe storage, including any incompatibilities**· **Storage:**· **Requirements to be met by storerooms and receptacles:** Store only in the original receptacle.· **Information about storage in one common storage facility:** Store away from oxidising agents.· **Further information about storage conditions:** None.· **Storage class:** 10· **7.3 Specific end use(s)** No further relevant information available.

## \* SECTION 8: Exposure controls/personal protection

· **Additional information about design of technical facilities:** No further data; see item 7.· **8.1 Control parameters**· **Ingredients with limit values that require monitoring at the workplace:** Not required.· **Additional information:** The lists valid during the making were used as basis.· **8.2 Exposure controls**· **Personal protective equipment:**· **General protective and hygienic measures:**

Do not eat, drink, smoke or sniff while working.

Keep away from foodstuffs, beverages and food.

Wash hands before breaks and at the end of work.

· **Respiratory protection:**

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

· **Protection of hands:**

Protective gloves

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

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

· **Material of gloves**

PVC or PE gloves

Recommended thickness of the material:  $\geq 0.4$  mm

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

· **Penetration time of glove material**

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

· **Not suitable are gloves made of the following materials:**

Leather gloves

Strong material gloves

· **Eye protection:** Goggles recommended during refilling· **Body protection:** Solvent resistant protective clothing

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## SECTION 9: Physical and chemical properties

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

#### · General Information

#### · Appearance:

Form:	Fluid
Colour:	Colourless
Odour:	Characteristic
Odour threshold:	Not determined.

· pH-value: Not determined.

#### · Change in condition

Melting point/freezing point:	-45 °C
Initial boiling point and boiling range:	180-210 °C

· Flash point: 61-70 °C (ASTMD93(PMCC))

· Flammability (solid, gas): Not applicable.

· Ignition temperature: 228 °C

· Decomposition temperature: Not determined.

· Auto-ignition temperature: Not determined.

· Explosive properties: Product does not present an explosion hazard.

#### · Explosion limits:

Lower:	0.5 Vol %
Upper:	5 Vol %

· Vapour pressure at 20 °C: 0.67 hPa

· Density at 20 °C: 0.77 g/cm<sup>3</sup>

· Relative density: Not determined.

· Vapour density: Not determined.

· Evaporation rate: Not determined.

#### · Solubility in / Miscibility with water:

Not miscible or difficult to mix.

· Partition coefficient: n-octanol/water: Not determined.

#### · Viscosity:

Dynamic at 20 °C: 1.13 mPas

Kinematic at 40 °C: 1.6 mm<sup>2</sup>/s

Organic solvents: 100.0 %

· 9.2 Other information: No further relevant information available.

## SECTION 10: Stability and reactivity

· 10.1 Reactivity: No further relevant information available.

#### · 10.2 Chemical stability

#### · Thermal decomposition / conditions to be avoided:

No decomposition if used according to specifications.

#### · 10.3 Possibility of hazardous reactions

Reacts with strong oxidising agents.

Used empty containers may contain product gases which form explosive mixtures with air.

· 10.4 Conditions to avoid: No further relevant information available.

· 10.5 Incompatible materials: No further relevant information available.

· 10.6 Hazardous decomposition products: Carbon monoxide and carbon dioxide

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## SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**
- **Acute toxicity** Based on available data, the classification criteria are not met.

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

### 68551-17-7 Isoparaffin C10-C13

Oral	LD-50	34,600 mg/kg (rat)
Dermal	LD-50	15,400 mg/kg (rabbit)
Inhalative	LC-50/4 h	>1,200 mg/m <sup>3</sup> (rat)

- **Primary irritant effect:**
- **Skin corrosion/irritation** Based on available data, the classification criteria are not met.
- **Serious eye damage/irritation** Based on available data, the classification criteria are not met.
- **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**
- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- **Carcinogenicity** Based on available data, the classification criteria are not met.
- **Reproductive toxicity** Based on available data, the classification criteria are not met.
- **STOT-single exposure** Based on available data, the classification criteria are not met.
- **STOT-repeated exposure** Based on available data, the classification criteria are not met.
- **Aspiration hazard**  
May be fatal if swallowed and enters airways.

## SECTION 12: Ecological information

- **12.1 Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **12.2 Persistence and degradability** No further relevant information available.
- **12.3 Bioaccumulative potential** No further relevant information available.
- **12.4 Mobility in soil** No further relevant information available.
- **Additional ecological information:**
- **General notes:**  
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.  
The product may not be released into the environment without control.
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **12.6 Other adverse effects** No further relevant information available.

## SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**
- **Recommendation**  
Must not be disposed together with household garbage. Do not allow product to reach sewage system.  
Dispose of in accordance with Local, State, and Federal Regulations.
- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.

## SECTION 14: Transport information

- **14.1 UN-Number**
- **ADR, ADN, IMDG, IATA** Void

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· 14.2 UN proper shipping name	
· ADR, ADN, IMDG, IATA	Void
· 14.3 Transport hazard class(es)	
· ADR, ADN, IMDG, IATA	
· Class	Void
· 14.4 Packing group	
· ADR, IMDG, IATA	Void
· 14.5 Environmental hazards:	
· Marine pollutant:	No
· 14.6 Special precautions for user	Not applicable.
· 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code	Not applicable.
· UN "Model Regulation":	Void

## \* SECTION 15: Regulatory information

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

- Directive 2012/18/EU
- Named dangerous substances - ANNEX I Substance is not listed.
- REGULATION (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 3

### · National regulations:

### · Technical instructions (air):

Class	Share in %
NK	≥50

- 15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

## \* SECTION 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.

The information of Items 4 through 8 and 10 through 12 partially refers not to the use and the proper application of the product (see Directions for Use/Product Information) but to the release of larger quantities in the case of accidents and irregularities.

The information exclusively describes the safety requirements of the product(s) and is based on the present state of our experience.

Non-ionic tensides can have varying characteristics and classifications despite same CAS-No.

### · Department issuing SDS:

Department T-PS  
Herr Heiko Schmidt  
+49 (0) 611/9271-0

### · Contact: Herr Heiko Schmidt

### · Abbreviations and acronyms:

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

ICAO: International Civil Aviation Organisation

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

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# Safety data sheet

## according to 1907/2006/EC, Article 31

Printing date 06.03.2020

Version number 12

Revision: 06.03.2020

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PBT: Persistent, Bioaccumulative and Toxic  
vPvB: very Persistent and very Bioaccumulative  
Asp. Tox. 1: Aspiration hazard – Category 1

· \* **Data compared to the previous version altered.**

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# SOLVON

## سولفون

### الاستخدام والتخزين

عبوات المغلقة ، تكون  
صلاحية تخزين سولفون  
٢٤ شهرًا بعد أدنى.  
السولفون ليس حساسًا  
للصقيع.  
التخزين حسب VbF A III.  
يجب إغلاق العبوات بإحكام  
بعد الاستغناء

### متطلبات التحذير

ممة التنبيه: خطر. قد تكون  
قاتلة إذا ابتلع ودخل  
المسالك الهوائية. تجنب  
استنشاق رذاذ / أبخرة /  
رذاذ. احصل على استشارة  
/ رعاية طبية إذا شعرت  
بتوسعك. في حالة الابتلاع:  
في حالة الاستنشاق: اتصل  
بالطبيب إذا شعرت بتوسعك

١٦٠ كجم

بلد المنشأ: صنع في ألمانيا



الجانب

ذئب هيدروكربوني خال من الهالوجين للتنظيف  
لمكونات وفقًا للائحة المنظفات المفوضية الأوروبية  
٢٠٠٤/٦٤٨ : ٣٠٪ هيدروكربونات أليفاتية

**kreussler**  
TEXTILE CARE

بلد المنشأ: صنع في ألمانيا

شركة الصانع: كيميش فابريك كروسلر & شركة ذات مسؤولية محدودة  
تاريخ الإنتاج

تفاصيل الاتصال بالمورد:

### عالم الخدمات التجارية

ص ب ٢٥٥٠١٤ الرياض ١٣٥٣

المملكة العربية السعودية

الخط الساخن ٩٢٠٠١٢١٢٧

البريد الإلكتروني: [info@wtssa.com](mailto:info@wtssa.com)

[www.wtssa.com](http://www.wtssa.com)

