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

### 1.1. Product identifier

DF1512 / DF 1516 Surface Cleaner Towels

**Further trade names**

.

Product group: Zulieferprodukt

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

**Use of the substance/mixture**

SU3 Industrielle Verwendung Endverwendungen von Substanzen wie zum Beispiel Zubereitungen an industriellen Standorten
SU4 Herstellung von Nahrungsmitteln
SU22 Professionelle Verwendungen Öffentlicher Bereich (Verwaltung, Erziehung, Unterhaltung, Dienstleistungen, Handwerk)
PC35 Wasch- und Reinigungsmittel (einschließlich Produkten auf Lösemittelbasis)
PROC10 Rolleranwendung oder Bürsten
ERC8B Ausgedehnte dispersive Innenanwendung von reaktiven Substanzen in offenen Systemen
SU3 Industrial use End-uses of substances such as for Sample preparations at industrial sites
SU4 Food production
SU22 Professional uses Public sector (administration, education, entertainment, services, crafts)
PC35 Laundry and cleaning products (including products on solvent based)
PROC10 Roller application or brushing
ERC8B Extended indoor dispersive use of reactive substances in open systems

**Uses advised against**

No specific uses advised against are identified.

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

| | | |
|---|---|---|
| Company name: | ITW LLC & Co. KG | |
| Street: | Am Eichenbach 14 | |
| Place: | D-73054 Eislingen/Fils | |
| Telephone: | +49 800 6273002 | |
| E-mail: | skrautmann@itwindustrialsolutions.com | |
| Contact person: | Produktsicherheit Mo. - Do. 8.00 - 16.30 Fr. 8.00 - 14.00 | Telephone: ++49 800 6273002 |
| E-mail: | info@itwindustrialsolutions.com | |
| Internet: | www.itwindustrialsolutions.com | |

| | |
|---|---|
| Responsible Department: | Produktsicherheit Mo. - Do. 8.00 - 16.30 Fr. 8.00 - 14.00<br>Deutschland: Vergiftungs-Informations-Zentrale Freiburg 0761 19240<br>Swiss Toxicological Information Centre - Téléphone : +41 44 251 51 51 (in Switzerland dial 145)<br>United Kingdom : National Poisons Information Service - Phone number : 8448920111<br>Österreich : Vergiftungsinformationszentrale Vienna - Telefon-Nummer : +43 1 406 43 43<br>Schweiz : Tox Info Suisse - Telefon-Nummer : +41 44 251 51 51<br>España : Instituto Nacional de Toxicología - Teléfono : +34 91 562 04 20<br>România (Romania): Spitalul de Urgenta Floreasca 021 230 8000<br>România (Romania): Spitalul de Urgenta Floreasca 021 230 8000<br>CAV “Ospedale Pediatrico Bambino Gesù” – Roma Tel. (+39) 06.6859.3726<br>CAV “Azienda Ospedaliera Università di Foggia” – Foggia Tel. 800.183.459<br>CAV “Azienda Ospedaliera A. Cardarelli” – Napoli Tel. (+39) 081.545.3333<br>CAV Policlinico “Umberto I” – Roma Tel. (+39) 06.4997.8000<br>CAV Policlinico “A. Gemelli” – Roma Tel. (+39) 06.305.4343<br>CAV Azienda Ospedaliera “Careggi” U.O. Tossicologia Medica – Firenze Tel. (+39) 055.794.7819<br>CAV Centro Nazionale di Informazione Tossicologica – Pavia Tel. (+39) 0382.24.444<br>CAV Ospedale Niguarda – Milano Tel. (+39) 02.66.1010.29<br>CAV Azienda Ospedaliera Papa Giovanni XXIII – Bergamo Tel. 800.88.33.00<br>CAV Centro antiveleni Veneto – Verona Tel. 800.011.858<br>Slovakia: National Toxicological Information Centre Bratislava +421 2 5465 2307<br>Czech Republic: Ministry of Health of the Czech Republic Chemical Substances and Biocidal Products Unit +420 267 082 236<br>Slovakia: National Toxicological Information Centre Bratislava +421 2 5465 2307 |
| **1.4. Emergency telephone number:** | Deutschland: ++49 800 6273002<br>Slovakia: National Toxicological Information Centre Bratislava +421 |

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

**GB CLP Regulation**

Eye Dam. 1; H318
STOT SE 3; H336

Full text of hazard statements: see SECTION 16.

### 2.2. Label elements

**GB CLP Regulation**

**Hazard components for labelling**

propan-1-ol; n-propanol

**Signal word:** Danger

**Pictograms:**



**Hazard statements**

| | |
|---|---|
| H318 | Causes serious eye damage. |
| H336 | May cause drowsiness or dizziness. |

**Precautionary statements**

| | |
|---|---|
| P403+P233 | Store in a well-ventilated place. Keep container tightly closed. |
| P101 | If medical advice is needed, have product container or label at hand. |
| P305+P354+P338 | IF IN EYES: Immediately rinse with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| P102 | Keep out of reach of children. |

**Additional advice on labelling**

@000000000392

### 2.3. Other hazards

The product contains organic solvents.
This product does not contain any PBT or vPvB substances.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

**Relevant ingredients**

| CAS No | Chemical name | | | Quantity |
|---|---|---|---|---|
| | EC No | Index No | REACH No | |
| | Classification (GB CLP Regulation) | | | |
| 71-23-8 | propan-1-ol; n-propanol | | | 20 - < 25 % |
| | 200-746-9 | 603-003-00-0 | | |
| | Flam. Liq. 2, Eye Dam. 1, STOT SE 3; H225 H318 H336 | | | |

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

**Further Information**

Regulation (EC) No 648/2004 of the European Parliament and of the Council of 31 March 2004 on detergents:
<1% Perfume
The full text for all hazard statements is displayed in section 16.

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

**General information**

Remove contaminated clothing immediatley and dispose off safely.

**After inhalation**

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible). Provide fresh air.

**After contact with skin**

Take off contaminated clothing and wash it before reuse. Wash with plenty of water. Frequently or prolonged contact with skin may cause dermal irritation. In case of skin irritation, seek medical treatment.

**After contact with eyes**

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately. Rinse immediately carefully and thoroughly with eye-bath or water. In case of troubles or persistent symptoms, consult an ophthalmologist.

**After ingestion**

Observe risk of aspiration if vomiting occurs. Rinse mouth immediately and drink 1 glass of of water. Rinse mouth immediately and drink plenty of water.
Do NOT induce vomiting.
Seek medical advice immediately.

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

No data available

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

Treat symptomatically. No data available

## SECTION 5: Firefighting measures

**5.1. Extinguishing media**

**Suitable extinguishing media**

Co-ordinate fire-fighting measures to the fire surroundings.

**Unsuitable extinguishing media**

High power water jet.

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

Non-flammable. Vapours can form explosive mixtures with air. In case of fire may be liberated: hydrocarbons. Carbon monoxide Carbon dioxide.

**5.3. Advice for firefighters**

In case of fire: Wear self-contained breathing apparatus. Move undamaged containers from immediate hazard area if it can be done safely.

**Additional information**

Use water spray jet to protect personnel and to cool endangered containers. Suppress gases/vapours/mists with water spray jet. Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

## SECTION 6: Accidental release measures

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

**General advice**

Do not breathe gas/fumes/vapour/spray. Avoid contact with skin, eyes and clothes. Use personal protection equipment. Provide adequate ventilation.

**6.2. Environmental precautions**

Do not allow to enter into surface water or drains. Do not allow to enter into surface water or drains.

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

**For cleaning up**

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents). Treat the recovered material as prescribed in the section on waste disposal.

**Other information**

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents). Provide adequate ventilation.

**6.4. Reference to other sections**

Safe handling: see section 7
Personal protection equipment: see section 8
Disposal: see section 13

## SECTION 7: Handling and storage

**7.1. Precautions for safe handling**

**Advice on safe handling**

If handled uncovered, arrangements with local exhaust ventilation have to be used. Do not breathe gas/fumes/vapour/spray. Keep container tightly closed in a cool, well-ventilated place. Do not breathe gas/fumes/vapour/spray.

**Advice on protection against fire and explosion**

Protect against: heat.

**Advice on general occupational hygiene**

Remove contaminated, saturated clothing immediately. Draw up and observe skin protection programme. Wash hands and face before breaks and after work and take a shower if necessary. When using do not eat, drink, smoke, sniff. Wash hands before breaks and after work. Do not eat, drink or smoke when using this product. Provide fresh air. Keep out of the reach of children.

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

**Requirements for storage rooms and vessels**

Keep container tightly closed. Keep locked up. Store in a place accessible by authorized persons only. Provide adequate ventilation as well as local exhaustion at critical locations. Protect from direct sunlight.

**Hints on joint storage**

No special measures are necessary.

**Further information on storage conditions**

Keep in a cool, well-ventilated place.

## 7.3. Specific end use(s)

SU21 Consumer uses: Private households (= general public = consumers)
SU22 Professional uses: publicly accessible (administration, education, entertainment, services, craftsmen)
PC35 Washing and cleaning products (including solvent based products)
PROC10 Roller application or brushing
ERC11B Wide dispersive indoor use of long-life articles and materials with high or intended release (including abrasive processing

# SECTION 8: Exposure controls/personal protection

## 8.1. Control parameters

**Exposure limits (EH40)**

| CAS No | Substance | ppm | mg/m³ | fibres/ml | Category | Origin |
|---|---|---|---|---|---|---|
| 71-23-8 | Propan-1-ol | 200 | 500 | | TWA (8 h) | WEL |
| | | 250 | 625 | | STEL (15 min) | WEL |

## 8.2. Exposure controls



**Appropriate engineering controls**

If handled uncovered, arrangements with local exhaust ventilation have to be used. Do not breathe gas/fumes/vapour/spray.

**Individual protection measures, such as personal protective equipment**

**Eye/face protection**

Suitable eye protection: goggles. Tightly sealed safety glasses.

**Hand protection**

When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits. The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves. Frequently or prolonged contact with skin may cause dermal irritation.
Wear suitable gloves.

**Skin protection**

Use of protective clothing. Body protection: not required.

**Respiratory protection**

In case of inadequate ventilation wear respiratory protection. With correct and proper use, and under normal conditions, breathing protection is not required.

**Environmental exposure controls**

Do not empty into drains.

## SECTION 9: Physical and chemical properties

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

| | |
|---|---|
| Physical state: | liquid |
| Colour: | transparent |
| Odour: | characteristic |

| | | Test method |
|---|---|---|
| Melting point/freezing point: | not determined | |
| Boiling point or initial boiling point and boiling range: | 100 °C | |
| Flammability: | not determined | |
| Lower explosion limits: | not determined | |
| Upper explosion limits: | not determined | |
| Flash point: | 61 °C | ASTM D 3278 |
| Auto-ignition temperature: | not determined | |
| Decomposition temperature: | not determined | ASTM D 2879-86 |
| pH-Value (at 20 °C): | 7 | |
| Viscosity / kinematic: | | ISO 3219 |
| Water solubility: | easily soluble | |

Solubility in other solvents

not determined

| | | |
|---|---|---|
| Partition coefficient n-octanol/water: | not determined | |
| Vapour pressure: (at 20 °C) | not determined | |
| Density (at 20 °C): | 0,98 g/cm³ | |
| Relative vapour density: | not determined | |

### 9.2. Other information

**Information with regard to physical hazard classes**

Explosive properties

The product is not: Explosive. No data available

Oxidizing properties

No data available

**Other safety characteristics**

| | | |
|---|---|---|
| Evaporation rate: | not determined | |
| Solid content: | not determined | |
| Softening point: | | DIN 51920 |

**Further Information**

refraction index: 1,34-1,35

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No data available

### 10.2. Chemical stability

No data available

### 10.3. Possibility of hazardous reactions

No data available

### 10.4. Conditions to avoid

none

### 10.5. Incompatible materials

Oxidizing agents, strong. Acid, concentrated.

### 10.6. Hazardous decomposition products

No data available

## SECTION 11: Toxicological information

### 11.1. Information on hazard classes as defined in GB CLP Regulation

**Acute toxicity**

Based on available data, the classification criteria are not met.

**ATEmix calculated**

ATE (oral) > 2000 mg/kg; ATE (dermal) > 2000 mg/kg; ATE (inhalation vapour) > 20 mg/l; ATE (inhalation dust/mist) > 5 mg/l

**Irritation and corrosivity**

Serious eye damage/eye irritation: Causes serious eye damage.
Skin corrosion/irritation: Based on available data, the classification criteria are not met.

**Sensitising effects**

Based on available data, the classification criteria are not met.
No information available.

**Carcinogenic/mutagenic/toxic effects 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**

May cause drowsiness or dizziness. (propan-1-ol; n-propanol)

**STOT-repeated exposure**

Based on available data, the classification criteria are not met.

**Aspiration hazard**

Based on available data, the classification criteria are not met.

### 11.2. Information on other hazards

**Further information**

The mixture is classified as hazardous according to regulation (EC) No 1272/2008 [CLP].

## SECTION 12: Ecological information

### 12.1. Toxicity

The product is not: Ecotoxic.

### 12.3. Bioaccumulative potential

The product has not been tested.

### 12.4. Mobility in soil

No adsoption in soil or sediment.

### 12.5. Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to UK REACH.
The product has not been tested.

**12.6. Endocrine disrupting properties**

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

No

**12.7. Other adverse effects**

This substance does not meet the PBT/vPvB criteria of REACH, Annex XIII.

**Further information**

Avoid release to the environment.

## SECTION 13: Disposal considerations

**13.1. Waste treatment methods**

**Disposal recommendations**

Do not allow to enter into surface water or drains. Dispose of waste according to applicable legislation.

**List of Wastes Code - residues/unused products**

200130 MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS; separately collected fractions (except 15 01); detergents other than those mentioned in 20 01 29

**List of Wastes Code - used product**

200130 MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS; separately collected fractions (except 15 01); detergents other than those mentioned in 20 01 29

**List of Wastes Code - contaminated packaging**

200130 MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS; separately collected fractions (except 15 01); detergents other than those mentioned in 20 01 29

**Contaminated packaging**

Wash with plenty of water. Completely emptied packages can be recycled.

## SECTION 14: Transport information

**Land transport (ADR/RID)**

| | |
|---|---|
| **14.1. UN number or ID number:** | Not classified |
| **14.2. UN proper shipping name:** | Not classified |
| **14.3. Transport hazard class(es):** | Not classified |
| **14.4. Packing group:** | Not classified |

**Inland waterways transport (ADN)**

| | |
|---|---|
| **14.1. UN number or ID number:** | Not classified |
| **14.2. UN proper shipping name:** | Not classified |
| **14.3. Transport hazard class(es):** | Not classified |
| **14.4. Packing group:** | Not classified |

**Marine transport (IMDG)**

| | |
|---|---|
| **14.1. UN number or ID number:** | Not classified |
| **14.2. UN proper shipping name:** | Not classified |
| **14.3. Transport hazard class(es):** | Not classified |
| **14.4. Packing group:** | Not classified |

**Air transport (ICAO-TI/IATA-DGR)**

| | |
|---|---|
| **14.1. UN number or ID number:** | Not classified |
| **14.2. UN proper shipping name:** | Not classified |
| **14.3. Transport hazard class(es):** | Not classified |
| **14.4. Packing group:** | Not classified |

### 14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: No

### 14.6. Special precautions for user

Not classified

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

Not restricted

## SECTION 15: Regulatory information

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

**EU regulatory information**

Restrictions on use (REACH, annex XVII):

Entry 3, Entry 40, Entry 75

Information according to Directive 2012/18/EU (SEVESO III): Not subject to 2012/18/EU (SEVESO III)

**Additional information**

Regulation (EC) No. 648/2004 [Detergents regulation].

**National regulatory information**

Employment restrictions: Observe restrictions to employment for juveniles according to the 'juvenile work protection guideline' (94/33/EC).

Water hazard class (D): 1 - slightly hazardous to water

### 15.2. Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out.

## SECTION 16: Other information

**Abbreviations and acronyms**

Flam. Liq: Flammable liquids
Eye Dam: Eye damage
STOT SE: Specific target organ toxicity - single exposure
CLP: Classification, labelling and Packaging
REACH: Registration, Evaluation and Authorization of Chemicals
GHS: Globally Harmonised System of Classification, Labelling and Packaging of Chemicals
UN: United Nations
CAS: Chemical Abstracts Service
DNEL: Derived No Effect Level
DMEL: Derived Minimal Effect Level
PNEC: Predicted No Effect Concentration
ATE: Acute toxicity estimate
LC50: Lethal concentration, 50%
LD50: Lethal dose, 50%
LL50: Lethal loading, 50%
EL50: Effect loading, 50%
EC50: Effective Concentration 50%
ErC50: Effective Concentration 50%, growth rate
NOEC: No Observed Effect Concentration
BCF: Bio-concentration factor
PBT: persistent, bioaccumulative, toxic
vPvB: very persistent, very bioaccumulative
ADR: Accord européen sur le transport des marchandises dangereuses par Route
(European Agreement concerning the International Carriage of Dangerous Goods by Road)
RID: Regulations concerning the international carriage of dangerous goods by rail
ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
(Accord européen relatif au transport international des marchandises dangereuses par voies de navigation intérieures)
IMDG: International Maritime Code for Dangerous Goods
EmS: Emergency Schedules
MFAG: Medical First Aid Guide
IATA: International Air Transport Association
ICAO: International Civil Aviation Organization
MARPOL: International Convention for the Prevention of Marine Pollution from Ships
IBC: Intermediate Bulk Container
VOC: Volatile Organic Compounds
SVHC: Substance of Very High Concern
For abbreviations and acronyms, see: ECHA Guidance on information requirements and chemical safety assessment, chapter R.20 (Table of terms and abbreviations).

**Classification for mixtures and used evaluation method according to GB CLP Regulation**

| Classification | Classification procedure |
|---|---|
| Eye Dam. 1; H318 | Calculation method |
| STOT SE 3; H336 | Calculation method |

**Relevant H and EUH statements (number and full text)**

| | |
|---|---|
| H225 | Highly flammable liquid and vapour. |
| H318 | Causes serious eye damage. |
| H336 | May cause drowsiness or dizziness. |

**Further Information**

The information is based on the present level of our knowledge. It does not, however, give assurance of product properties and establishes no contract legal rights. The receiver of our product is singularly responsible for adhering to existing laws and regulations. The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing,

transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.
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*(The data for the relevant ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)*