

## Safety Data Sheet

according to UK REACH Regulation

### Xon forte

Revision date: 12.12.2022

Product code: j5510\_sd

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

### 1.1. Product identifier

Xon forte

UFI: 1J40-00C3-400Y-WJSU

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

#### Use of the substance/mixture

Product for professional cleaning and maintenance

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

Company name: JOHANNES KIEHL KG  
Street: Robert-Bosch-Str. 9  
Place: D-85235 Odelzhausen  
Telephone: +49 8134 9305-0 Telefax: +49 8134 6466  
E-mail: info@kiehl-group.com  
Contact person: Laboratory department  
Internet: www.kiehl-group.com  
Responsible Department: Notrufnummer für deutsch- und englischsprachige Länder: +49/89/19240  
Vergiftungsinformationszentrale (VIZ) Österreich: +43 1 406 43 43  
Nationale Notrufnummer für die Schweiz (Tox-Zentrum Zürich): 145  
Numéro d'urgence France: INRS: +33 (0) 1 45 42 59 59  
Numero d' emergenza Italia: Centro Antiveleni - 20162 Milano: 02/66101029  
ETTSZ /Egészségügyi Toxikológiai Tájékoztató Szolgálat/, 1096 Budapest,  
Nagyvárad tér 2. Ügyeleti telefonszám: +36 80 201-199  
Eesti: Häirekeskuse number: 112 / Mürgistusteabekeskuse number: 16662  
Emergency telephone number for all other countries: +49/8134/9305-169

KIEHL Austria GmbH	Perfektastr. 57;	A-1230 Wien	Tel. +43 (0) 1 / 604 99 93
KIEHL FRANCE S.A.R.L.	5, rue de Londres;	F-67670 Mommenheim	Tél. +33 (0) 3.88.59.52.25
KIEHL Italia s.r.l.	Via San Rocco, 101;	I-16036 Recco (GE)	Tel. +39 / 0185 730 008
KIEHL Schweiz AG	St. Dionys-Str. 33;	CH-8645 Jona	Tel. +41 (0) 55 / 254 74 74
KIEHL Hungary Kft.	Felsőipari körút 3/ D	HU-2142 Nagytarcsa	Tel. +36 (0) 1 / 348-08 41
KIEHL Middle East LLC	A8-LIU 48/49 - KIZAD	Abu Dhabi, U.A.E.	Tel. +971 2 550 33 96

**1.4. Emergency telephone number:** +49/89/19240 (germanophone and anglophone)  
For Belgium: +32 70 245 245 (free, 24/7) or +32 2 264 96 30 (normal rate)

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

#### GB CLP Regulation

Skin Corr. 1B; H314

Full text of hazard statements: see SECTION 16.

### 2.2. Label elements

#### GB CLP Regulation

#### Hazard components for labelling

Potassium Hydroxide

**Signal word:** Danger

**Pictograms:**



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#### Hazard statements

H314 Causes severe skin burns and eye damage.

#### Precautionary statements

P280 Wear protective gloves/protective clothing/eye protection/face protection.  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P308+P313 IF exposed or concerned: Get medical advice/attention.

#### 2.3. Other hazards

None known.

### SECTION 3: Composition/information on ingredients

#### 3.2. Mixtures

##### Chemical characterization

according to 648/2004/CE: nonionic surfactants <5%, soap <5%, alkalis, water-soluble solvents, food-dye

##### Hazardous components

CAS No	Chemical name	Quantity
	EC No	Index No
		REACH No
	Classification (GB CLP Regulation)	
1310-58-3	Potassium hydroxide	1 - < 5 %
	215-181-3	019-002-00-8
		01-2119487136-33
	Acute Tox. 4, Skin Corr. 1A; H302 H314	
112-34-5	2-(2-Butoxyethoxy)ethanol	1 - < 3 %
	203-961-6	603-096-00-8
		01-2119475104-44
	Eye Irrit. 2; H319	
69011-36-5	i-C13-Fatty alcohol polyglycol ethers 5-12 EO	1 - < 5 %
	931-138-8	
	Acute Tox. 4, Eye Dam. 1; H302 H318	

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

##### Specific Conc. Limits, M-factors and ATE

CAS No	EC No	Chemical name	Quantity
		Specific Conc. Limits, M-factors and ATE	
1310-58-3	215-181-3	Potassium hydroxide	1 - < 5 %
		oral: LD50 = 273 mg/kg Skin Corr. 1A; H314: >= 5 - 100 Skin Corr. 1B; H314: >= 2 - < 5 Skin Irrit. 2; H315: >= 0,5 - < 2 Eye Irrit. 2; H319: >= 0,5 - < 2	
69011-36-5	931-138-8	i-C13-Fatty alcohol polyglycol ethers 5-12 EO	1 - < 5 %
		oral: ATE = 500 mg/kg Eye Dam. 1; H318: >= 10 - 100 Eye Irrit. 2; H319: >= 6 - < 10	

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

##### General information

Avoid contact with skin and eyes.

##### After inhalation

not hazardous by inhalation

##### After contact with skin

Wash off immediately with soap and plenty of water. Take off all contaminated clothing immediately.

##### After contact with eyes

Rinse thoroughly with plenty of water, also under the eyelids.

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If eye irritation persists, consult a specialist.

#### After ingestion

Clean mouth with water and drink afterwards plenty of water. Prevent vomiting if possible.  
Consult a physician.

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

This information is not available.

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

Show this safety data sheet to the doctor in attendance.

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

##### Suitable extinguishing media

Any extinguishing means and measures are acceptable.

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

This information is not available.

#### 5.3. Advice for firefighters

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. The product itself does not burn.

### SECTION 6: Accidental release measures

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

##### General advice

Avoid contact with skin, eyes and clothing.

##### For non-emergency personnel

Use personal protection equipment.

##### For emergency responders

Use personal protection equipment.

#### 6.2. Environmental precautions

Do not flush into surface water.

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

##### For containment

Stop leak if safe to do so. Cover drains.

Prevent spread over a wide area (e.g. by containment or oil barriers).

##### For cleaning up

Wipe up with absorbent material (e.g. cloth, fleece).

Clean contaminated articles and floor according to the environmental legislation.

##### Other information

Never return spills in original containers for re-use.

#### 6.4. Reference to other sections

Refer to protective measures listed in sections 7 and 8.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

##### Advice on safe handling

Avoid contact with skin and eyes.

##### Advice on protection against fire and explosion

No special protective measures against fire required.

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#### Advice on general occupational hygiene

General industrial hygiene practice.

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

##### Requirements for storage rooms and vessels

Store at room temperature in the original container. Store in a place accessible by authorized persons only.

##### Hints on joint storage

Keep away from food, drink and animal feedingstuffs.  
Do not store near acids.

##### Further information on storage conditions

Keep container tightly closed.  
Never return unused material to storage receptacle.

#### 7.3. Specific end use(s)

This information is not available.

## SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

##### Exposure limits (EH40)

CAS No	Substance	ppm	mg/m <sup>3</sup>	fibres/ml	Category	Origin
112-34-5	2-(2-Butoxyethoxy)ethanol	10	67.5		TWA (8 h)	WEL
		15	101.2		STEL (15 min)	WEL
1310-58-3	Potassium hydroxide	-	2		STEL (15 min)	WEL

#### 8.2. Exposure controls

##### Appropriate engineering controls

Not required.

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

##### Eye/face protection

Safety glasses with side-shields conforming to EN166

##### Hand protection

Protective gloves

Recommendation: Nitrile gloves with a coating thickness of 0.4 mm which protect at least 8 hours (corresponds to the permeability level 6 of the European norm DIN/EN 374) and provide a resistance to swelling of < 15%.

##### Skin protection

Wear suitable protective clothing.

##### Respiratory protection

Not required

##### Environmental exposure controls

Handle in accordance with good industrial hygiene and safety practice.

## SECTION 9: Physical and chemical properties

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

Physical state: liquid  
Colour: yellow  
Odour: pleasant

Melting point/freezing point:

**Test method**  
<0 °C

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Boiling point or initial boiling point and boiling range:	>98 °C
Flammability:	not applicable
Lower explosion limits:	not applicable
Upper explosion limits:	not applicable
Flash point:	>100 °C
Auto-ignition temperature:	>300 °C
Decomposition temperature:	not determined
pH-Value (at 20 °C):	> 13,5 K-QP1012C
Viscosity / kinematic:	not determined
Water solubility: (at 20 °C)	completely miscible
Solubility in other solvents not determined	
Partition coefficient n-octanol/water:	not determined
Vapour pressure:	not determined
Density (at 20 °C):	1,07 g/cm <sup>3</sup> K-QP1012E
Relative vapour density:	not determined
Particle characteristics:	not applicable

### 9.2. Other information

#### Information with regard to physical hazard classes

Explosive properties

Not explosive

Self-ignition temperature

Solid:

not applicable

Gas:

not applicable

Oxidizing properties

Not relevant

#### Other safety characteristics

Evaporation rate:

not determined

Solid content:

not determined

Sublimation point:

not applicable

Softening point:

not applicable

Pour point:

not applicable

Viscosity / dynamic:

not determined

Flow time:

not determined

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

This information is not available.

### 10.2. Chemical stability

This information is not available.

### 10.3. Possibility of hazardous reactions

This information is not available.

### 10.4. Conditions to avoid

Do not expose to temperatures above 35 °C.

### 10.5. Incompatible materials

Acids

### 10.6. Hazardous decomposition products

No decomposition if stored and applied as directed.

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#### Further information

Do not mix with other detergents or chemicals.

### 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

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
1310-58-3	Potassium hydroxide				
	oral	LD50 273 mg/kg	rat		
69011-36-5	i-C13-Fatty alcohol polyglycol ethers 5-12 EO				
	oral	ATE 500 mg/kg			

##### Irritation and corrosivity

Causes severe skin burns and eye damage.

##### Sensitising effects

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

##### Carcinogenic/mutagenic/toxic effects for reproduction

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

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

#### 11.2. Information on other hazards

##### Endocrine disrupting properties

This information is not available.

#### Further information

Health injuries are not known or expected under normal use.

### SECTION 12: Ecological information

#### 12.1. Toxicity

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

This product has no known eco-toxicological effects.

#### 12.2. Persistence and degradability

The surfactants in the product meet all requirements of the detergents regulation 648/2004/EC.

This preparation contains no substance considered to be persistent, bioaccumulating nor toxic (PBT).

#### 12.3. Bioaccumulative potential

Bioaccumulation is unlikely.

#### 12.4. Mobility in soil

This information is not available.

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

The substances in the mixture do not meet the PBT/vPvB criteria according to UK REACH.  
This preparation contains no substance considered to be very persistent nor very bioaccumulating (vPvB).

#### 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.

#### 12.7. Other adverse effects

This information is not available.

#### **Further information**

Chemical Oxygen Demand (COD) 289 mg O<sub>2</sub>/g.

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

##### **Disposal recommendations**

Container should be emptied thoroughly. Do not pour remains of product in large quantities into the sewage.

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

070699 WASTES FROM ORGANIC CHEMICAL PROCESSES; wastes from the MFSU of fats, grease, soaps, detergents, disinfectants and cosmetics; wastes not otherwise specified

##### **List of Wastes Code - used product**

070699 WASTES FROM ORGANIC CHEMICAL PROCESSES; wastes from the MFSU of fats, grease, soaps, detergents, disinfectants and cosmetics; wastes not otherwise specified

##### **Contaminated packaging**

Clean container with water. Return cleaned containers to the company for recycling.  
Offer rinsed packaging material to local recycling facilities.

### SECTION 14: Transport information

#### **Land transport (ADR/RID)**

<b><u>14.1. UN number or ID number:</u></b>	UN 1814
<b><u>14.2. UN proper shipping name:</u></b>	POTASSIUM HYDROXIDE SOLUTION
<b><u>14.3. Transport hazard class(es):</u></b>	8
<b><u>14.4. Packing group:</u></b>	III
Hazard label:	8



Classification code:	C5
Limited quantity:	5 L
Excepted quantity:	E1
Transport category:	3
Hazard No:	80
Tunnel restriction code:	E

#### **Marine transport (IMDG)**

<b><u>14.1. UN number or ID number:</u></b>	UN 1814
<b><u>14.2. UN proper shipping name:</u></b>	POTASSIUM HYDROXIDE SOLUTION
<b><u>14.3. Transport hazard class(es):</u></b>	8
<b><u>14.4. Packing group:</u></b>	III
Hazard label:	8

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Special Provisions:	223
Limited quantity:	5 L
Excepted quantity:	E1
EmS:	F-A, S-B
Segregation group:	alkalis

#### **14.5. Environmental hazards**

ENVIRONMENTALLY HAZARDOUS: No

#### **14.6. Special precautions for user**

Not required

#### **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**

##### **EU regulatory information**

Restrictions on use (REACH, annex XVII):

Entry 3, Entry 55, Entry 75

##### **National regulatory information**

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**

#### **Changes**

This data sheet contains changes from the previous version in section(s): 3 / 6 / 7 / 8 / 12



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#### Abbreviations and acronyms

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 Harmonized System of Classification and Labelling of Chemicals  
EINECS: European Inventory of Existing Commercial Chemical Substances  
ELINCS: European List of Notified Chemical Substances  
CAS: Chemical Abstracts Service  
LC50: Lethal concentration, 50%  
LD50: Lethal dose, 50%  
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  
DNEL: Derived No Effect Level  
DMEL: Derived Minimal Effect Level  
PNEC: Predicted No Effect Concentration  
ATE: Acute toxicity estimate  
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  
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)  
EmS: Emergency Schedules  
MFAG: Medical First Aid Guide  
MARPOL: International Convention for the Prevention of Marine Pollution from Ships  
IBC: Intermediate Bulk Container  
SVHC: Substance of Very High Concern

For abbreviations and acronyms, see table at <http://abbrev.esdscom.eu>

Acute Tox: Acute toxicity

Skin Corr: Skin corrosion

Eye Dam: Eye damage

Eye Irrit: Eye irritation

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

Classification	Classification procedure
Skin Corr. 1B; H314	Calculation method

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

H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.

*(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)*