



PROTEX

Concentrated spotting agent (protein stains) for use in professional textile care



APPLICATION

- In wet cleaning, laundry and dry cleaning
- Spotting of various protein stains : blood, egg, milk, vomit, urine, ...
- All kind of textiles

DOSAGE

- Use pure (do not dilute)

EMPLOI



- **Without adding water** apply directly with a brush or spatula on the stain. Help penetrate (ideally with a suitable brush and a taping gesture). Let stand for a few minutes. Rinse if applied in large quantity, then put the garment into the washer.
- **For better results, pre-heat the fiber very lightly** (max 30°C). Preferably pre-heat the spotting board (e.g. steam and subsequently dry the board). Do not use direct heat which may permanently fix the stain.
- May be used in combination with other Concord Textile spotting products: ProSpray, TanEx, InkEx, WaxEx, UNI
- **If in doubt do a discoloration test on a non-visible part of the garment.**

PROPERTIES

- Appearance : Transparent yellowish liquid
- Ph Value : 9-10
- Flash point: > 100°C
- Solubility : Miscible in water

PICTOGRAM / DANGER SYMBOL



Refer to the safety data sheet for more information

STORAGE

- Keep out away from heat sources
- Protect the container opening; preferably use a suction lance that fully covers the opening
- Use preferably within 24 months of manufacture

CODE / VOLUME

- Code: CW520
- Bottles: 500 ml, 1000 ml
- Containers: 3L, 5L, 10L



Developed and manufactured by Concord Textile in France

Subject to change

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 12.10.2015

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

- **1.1 Product identifier**
- **Trade name:** ProtEx
- **Article number / formula:** CW520
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**
No further relevant information available.
- **Application of the substance / the preparation :** Preparation
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
Concord Textile SAS
3 Avenue George V
75008 Paris FRANCE
Tel : +33-6-15 76 42 27
Email : contact@concordtextile.com
- **1.4 Emergency telephone number:**
France (ORFILA 24h/24) - Tel : +33 (0)1 45 42 59 59
Ireland - Tel : 00 353 1 8092568 - 00 353 1 8379964 (24h/24)
UK : +44 (0)-870-190-6777 (CARECHEM24)

SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008 :**



GHS07

Eye Irrit. 2 H319 Causes serious eye irritation.

- **2.2 Label elements**
- **Labelling according to Regulation (EC) No 1272/2008**
The product is classified and labelled according to the CLP regulation.
- **Hazard pictograms**



GHS07

- **Signal word** *Warning*
- **Hazard-determining components of labelling:**
2,2'-iminodiethanol
Alcohols, C10-12, ethoxylated propoxylated
potassium hydroxide
- **Hazard statements**
H319 Causes serious eye irritation.
- **Precautionary statements**

P102	Keep out of reach of children.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P264	Wash hands thoroughly after handling.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313	If eye irritation persists: Get medical advice/attention.
- **2.3 Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.

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· **vPvB:** Not applicable.

SECTION 3: Composition/information on ingredients

· 3.2 Chemical characterisation: Mixtures

· **Description:** Mixture: consisting of the following components.

· **Dangerous components:**

CAS: 111-42-2 EINECS: 203-868-0 Index number: 603-071-00-1 RTECS: KL 2975000	2,2'-iminodiethanol STOT RE 2, H373; Eye Dam. 1, H318; Acute Tox. 4, H302; Skin Irrit. 2, H315	<10%
CAS: 64-17-5 EINECS: 200-578-6 Index number: 603-002-00-5 RTECS: KQ 6300000 Reg.nr.: 01-2119457610-43-xxxx	ethanol Flam. Liq. 2, H225; Eye Irrit. 2, H319	≤8%
CAS: 68411-30-3 EINECS: 270-115-0	Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts Acute Tox. 4, H302; Skin Irrit. 2, H315; Eye Irrit. 2, H319	≤8%
CAS: 68154-97-2	Alcohols, C10-12, ethoxylated propoxylated Eye Dam. 1, H318; Acute Tox. 4, H302	≤8%
CAS: 1310-58-3 EINECS: 215-181-3 Index number: 019-002-00-8 RTECS: TT 2102000 Reg.nr.: 01-2119487136-33	potassium hydroxide Met. Corr.1, H290; Skin Corr. 1A, H314; Acute Tox. 4, H302	≤8%

· **Regulation 648/2004 on Detergents :**

non-ionic surfactants, anionic surfactants

5 - 15%

· **Additional information:** For the wording of the listed risk phrases, refer to section 16.

SECTION 4: First aid measures

· 4.1 Description of first aid measures

- **General information:** Immediately remove any clothing soiled by the product.
- **After excessive inhalation:** Provide fresh air; consult a doctor in case of medical complaints.
- **After skin contact:** Immediately rinse with water.
- **After eye contact:** Rinse opened eye for several minutes under running water. Then consult a doctor.
- **After swallowing:** If symptoms persist consult a 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 Suitable extinguishing agents:

CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

· 5.2 Special hazards arising from the substance or mixture : No further relevant information available.

· 5.3 Advice for firefighters

· **Protective equipment:** No special measures required.

SECTION 6: Accidental release measures

· 6.1 Personal precautions, protective equipment and emergency procedures : Not required.

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- **6.2 Environmental precautions:**
Dilute with plenty of water.
Do not allow the product to enter sewers/ surface water or ground water.
- **6.3 Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Ensure adequate ventilation.
- **6.4 Reference to other sections :**
See Section 7 for information on safe handling.
See Section 8 for information on personal protective equipment.
See Section 13 for disposal information.

SECTION 7: Handling and storage

- **7.1 Precautions for safe handling :**
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:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** Keep container tightly sealed.
- **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 section 7.
- **8.1 Control parameters**

Ingredients with limit values that require monitoring at the workplace:	
111-42-2 2,2'-iminodiethanol (2.5-10%)	
MAK (Switzerland)	Short-term value: 1 e mg/m ³ Long-term value: 1 e mg/m ³ H S SSc;
64-17-5 ethanol (2.5-10%)	
WEL (Great Britain)	Long-term value: 1920 mg/m ³ , 1000 ppm
MAK (Switzerland)	Short-term value: 1920 mg/m ³ , 1000 ppm Long-term value: 960 mg/m ³ , 500 ppm SSc;
1310-58-3 potassium hydroxide (2.5-10%)	
WEL (Great Britain)	Short-term value: 2 mg/m ³
MAK (Switzerland)	Long-term value: 2 e mg/m ³

- **Additional information:**
The most current valid lists have been used as a basis for the production of this document.
- **8.2 Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**
Immediately remove all soiled and contaminated clothing
Wash hands before breaks and at the end of work.
- **Respiratory protection:** Not required.

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· **Protection of hands:**

Protective gloves

· **Gloves material :**

The selection of suitable gloves does not depend only on the material, but also on further marks of quality which may vary 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 before use.

· **Eye protection:** Goggles recommended during refilling

SECTION 9: Physical and chemical properties

· **9.1 Information on basic physical and chemical properties**· **General Information**· **Appearance:**

Form:	Liquid
Colour:	Whitish
Odour:	Characteristic
Odour threshold:	Not determined.

· **pH-value:** 8· **Change in condition**

Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	78 °C

· **Flash point:** >60 °C· **Flammability (solid, gaseous):** Not applicable.· **Ignition temperature:** 370 °C· **Decomposition temperature:** Not determined.· **Self-igniting:** Product is not self igniting.· **Danger of explosion:** Product does not present an explosion hazard.· **Explosion limits:**

Lower:	Not determined.
Upper:	Not determined.

· **Vapour pressure:** Not determined.· **Density:** Not determined.· **Relative density :** Not determined.· **Vapour density :** Not determined.· **Evaporation rate :** Not determined.· **Solubility in / Miscibility with water:**

Fully miscible.

· **Segregation coefficient (n-octanol/water):** Not determined.· **Viscosity:**

Dynamic: Not determined.

Kinematic: Not determined.

· **9.2 Other information :** No further relevant information available.

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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 :** No dangerous reactions known.
- **10.4 Conditions to avoid :** No further relevant information available.
- **10.5 Incompatible materials:** No further relevant information available.
- **10.6 Hazardous decomposition products:** No dangerous decomposition products known.

SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**
- **Acute toxicity**

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

111-42-2 2,2'-iminodiethanol

Oral	LD50	1600 mg/kg (rat)
Dermal	LD50	12200 mg/kg (rabbit)

64-17-5 ethanol

Oral	LD50	7060 mg/kg (rat)
Inhalative	LC50/4 h	20000 mg/l (rat)

68411-30-3 Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts

Oral	LD50	500 mg/kg (ATE)
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68154-97-2 Alcohols, C10-12, ethoxylated propoxylated

Oral	LD50	500 mg/kg (ATE)
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1310-58-3 potassium hydroxide

Oral	LD50	273 mg/kg (rat)
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- **Primary irritant effect:**
- **On the skin:** Based on available data, the classification criteria are not met.
- **On the eyes:**
Causes serious eye irritation.
- **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** Based on available data, the classification criteria are not met.

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:**
Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water.
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

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- **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 of together with household garbage. Do not allow product to reach sewage system.

- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.
- **Recommended cleansing agents:** Water, if necessary together with cleansing agents.

SECTION 14: Transport information

- | | |
|--|---|
| · 14.1 UN-Number | |
| · ADR, ADN, IMDG, IATA | Not classified as hazardous for transport |
| · 14.2 UN proper shipping name | |
| · ADR, ADN, IMDG, IATA | Not classified as hazardous for transport |
| · 14.3 Transport hazard class(es) | |
| · ADR, ADN, IMDG, IATA | |
| · Class | Not classified as hazardous for transport |
| · 14.4 Packing group | |
| · ADR, IMDG, IATA | Not classified as hazardous for transport |
| · 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": | Not classified as hazardous for transport |

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** None of the ingredients is listed.
- **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.

- **Relevant phrases**
- H225 Highly flammable liquid and vapour.

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*H290 May be corrosive to metals.**H302 Harmful if swallowed.**H314 Causes severe skin burns and eye damage.**H315 Causes skin irritation.**H318 Causes serious eye damage.**H319 Causes serious eye irritation.**H373 May cause damage to organs through prolonged or repeated exposure.***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 Harmonised 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 (division of the American Chemical Society)**LC50: Lethal concentration, 50 percent**LD50: Lethal dose, 50 percent**PBT: Persistent, Bioaccumulative and Toxic**vPvB: very Persistent and very Bioaccumulative**Flam. Liq. 2: Flammable liquids, Hazard Category 2**Met. Corr.1: Corrosive to metals, Hazard Category 1**Acute Tox. 4: Acute toxicity, Hazard Category 4**Skin Corr. 1A: Skin corrosion/irritation, Hazard Category 1A**Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2**Eye Dam. 1: Serious eye damage/eye irritation, Hazard Category 1**Eye Irrit. 2: Serious eye damage/eye irritation, Hazard Category 2**STOT RE 2: Specific target organ toxicity - Repeated exposure, Hazard Category 2*

GB

Spotting
agents



Universal pre-spotter



ProSpray

CONCENTRATED PRE-SPOTTER

Highly effective universal pre-spotter for most common stains and soil including light grease stains. Great for collars, cuffs, bottom of dresses, pants...

CW339

1L to 10L



May be applied with a brush or (diluted) with a spray bottle. May be diluted with water (for wet cleaning and laundry applications) or used undiluted for tougher stains and dry cleaning applications.



High performance spotting agents



WaxEx

GREASE STAINS

Reinforced degreaser for regular and difficult grease stains: candle wax, shoe polish, motor oil, make-up...

CW333

0.5L to 10L



ProtEx

PROTEIN STAINS

Blood, egg, milk, vomit, urine ...

CW520

0.5L to 10L



InkEx

SYNTHETIC STAINS

Synthetic stains, inks, glue, nail polish, synthetic paint, tar ...

CW355

0.5L to 10L



TanEx

TANNIN STAINS

Fruits, coffee, tea, red wine, grass ...

CW332

0.5L to 10L



UNI

DEO, COLOR TRANSFER

Deo, perspiration, correction of color transfer ...

CW337

0.5L to 10L



Which spotting agents should I use ?

What is the difference between spotting agents designed for dry and wet cleaning ?

- As the wet cleaning process typically removes most water-soluble stains, it requires spotting agents that can remove non water-based stains. In dry cleaning on the other hand, spotting agents that can remove water and non water based stains are needed - although the degreasing capability may vary among the various solvents.
- Typically, dry cleaning spotters contain variations of solvents and other chemicals that may have high toxicity for human as well as for aquatic life. However, as their residues are not intended to get into the water system (dry cleaning is a 'closed circuit system') dry cleaning spotters are typically under lesser scrutiny. Spotting products designed for wet cleaning on the other hand must be compatible with the water treatment system.

Is there a risk of using dry cleaning spotters in wet cleaning ?

- Some spotting chemicals formulated for dry cleaning are not water-soluble and may leave stains on the garments when used in wet cleaning. They should therefore be thoroughly rinsed. More importantly though, spotting chemical designed for dry cleaning will interfere with the coating abilities of wet cleaning products and reduce their effect; they may also cause color loss and surface damage.

Can I use Concord Textile spotting agents for dry cleaning ?

- Yes, Concord Textile spotting agents are designed for use in wet and dry cleaning. The pre-spotter ProSpray should be used undiluted in that case.

*Respect your employees and the environment –
stick to wet cleaning spotting product !*