

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

- Trade name XE5 Machine Cleaning Agent

- 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 *Cleaning agent / Cleaner*

**- 1.3 Details of the supplier of the safety data sheet****- Manufacturer/Supplier:**

*SNX Technologies*

*PO Box 55 315 Industrial Blvd.*

*Sauk Rapids, MN 56379*

*Tel: 1-320-380-3800*

*E-Mail: info@snxtechnologies.com*

- Informing department: *Product safety department*

**- 1.4 Emergency telephone number:**

*Infotrac*

*Tel: 1-800-535-5053*

**SECTION 2: Hazards identification****- 2 Classification according to Regulation (EC) No 1272/2008**

*Flam. Liq. 2                      H225 Highly flammable liquid and vapor.*

*Eye Irrit. 2                      H319 Causes serious eye irritation.*

*STOT SE 3                      H336 May cause drowsiness or dizziness.*

**- Classification according to Directive 67/548/EEC or Directive 1999/45/EC**

*F; Highly flammable*

*R11:                              Highly flammable.*

*R67:                              Vapors may cause drowsiness or dizziness.*

**- Classification system:**

*The classification is in line with current EC lists. It is expanded, however, by information from technical literature and by information furnished by supplier companies.*

**- 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



GHS02



GHS07

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- **Signal word** *Danger*- **Hazard statements***H225 Highly flammable liquid and vapor.**H319 Causes serious eye irritation.**H336 May cause drowsiness or dizziness.*- **Precautionary statements***P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.**P280 Wear protective gloves/protective clothing/eye protection/face protection.**P261 Avoid breathing mist/vapors/spray.**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 irritant persists: Get medical advice/attention**P403+P233 Store in a well-ventilated place. Keep container tightly closed.*- **2.3 Other hazards**- **Results of PBT and vPvB assessment**- **PBT:** *Not applicable.*- **vPvB:** *Not applicable.*


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**SECTION 3: Composition/information on ingredients**


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- **3.2 Mixtures**- **Description:** *Mixture of the substances listed below with harmless additions*

- <b>Dangerous components:</b>		
CAS: 64-17-5 EINECS: 200-578-6 Reg.nr.: 01-2119457610-43	Ethanol  F R11  Flam. Liq. 2, H225;  Eye Irrit. 2, H319	50-100%
CAS: 67-64-1 EINECS: 200-662-2 Reg.nr.: 01-2119471220-49	acetone  Xi R36;  F R11 R66-67  Flam. Liq. 2, H225;  Eye Irrit. 2, H319; STOT SE 3, H336	10-25%

- **Additional information** For the wording of the listed risk phrases refer to section 16.

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**SECTION 4: First aid measures**


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- **4.1 Description of first aid measures**- **General advice:** *Instantly remove any clothing soiled by the product.*- **After inhalation***Provide fresh-air circulation. If symptoms continue, consult a doctor. In case of respiratory failure or breathing irregularities, commence resuscitation or oxygen inhalation and immediately consult a doctor. In case of unconsciousness, place und transport the patient in a recovery position.*- **After skin contact***Instantly wash with water and soap and rinse thoroughly. If skin irritation persists, seek medical advice.*

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- **After eye contact** *Rinse immediately opened eye for several minutes under running water. Then consult doctor.*
  - **After swallowing**
    - Rinse out mouth and then drink plenty of water.*
    - Seek medical treatment.*
  - **4.2 Most important symptoms and effects, both acute and delayed**
    - Dizziness, double vision and other typical symptoms of alcoholic intoxication. Vomiting, unconsciousness. Irritation of skin, eyes and airways.*
  - **Information for doctor**
    - Cleaning of the stomach should only be carried out with endotracheal intubation. Danger of aspiration. Renew lipid coating of the skin in order to protect against dermatitis. Symptomatic treatment.*
  - **4.3 Indication of any immediate medical attention and special treatment needed**
    - No further relevant information available.*
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**SECTION 5: Firefighting measures**

- **5.1 Extinguishing media**
  - **Suitable extinguishing agents**
    - CO<sub>2</sub>, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam.*
  - **For safety reasons unsuitable extinguishing agents** *Water with a full water jet.*
  - **5.2 Special hazards arising from the substance or mixture**
    - Can form explosive gas-air mixtures. In case of incomplete combustion carbon monoxide can arise. Fumes are heavier than air and distributed over ground. Inflammation is possible from a far distance. Avoid contact with combustible substances.*
  - **5.3 Advice for Firefighters**
    - **Protective equipment:** *See section 8.*
      - Wear full protective suit with self-contained breathing apparatus.*
  - **Additional information**
    - Dispose of fire debris and contaminated firefighting water in accordance with official regulations. Endangered containers in the surrounding area should be cooled with a water-hose.*
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**SECTION 6: Accidental release measures**

- **6.1 Personal precautions, protective equipment and emergency procedures**
  - Wear protective equipment. Keep off unprotected persons*
  - Extinguish naked flames. Remove flammable sources. No smoking. Avoid sparks. Avoid contact with skin, eyes and clothing. Avoid inhalation of fumes. Air contaminated rooms thoroughly. Protect against electrostatic sparks.*
- **6.2 Environmental precautions:**
  - Do not allow to enter drainage system, surface or ground water.*
  - Dilute with much water.*
  - If large amounts are released, the authorities must be informed.*
- **6.3 Methods and material for containment and cleaning up:**
  - Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).*

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*Ensure adequate ventilation.**Contaminated material has to be disposed as waste (see item 13).***- 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 information on disposal.**Danger of explosion*


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**SECTION 7: Handling and storage**


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**- 7.1 Precautions for safe handling***Ensure good ventilation/exhaustion at the workplace. Avoid repeated or long-term skin contact.***- Information about protection against explosions and fires:***Keep ignition sources away - Do not smoke.**Protect against electrostatic charges.***- 7.2 Conditions for safe storage, including any incompatibilities****- Storage***Protect against direct sunlight, other sources of heat and ignition.**Keep containers tightly closed. Store in cool, dry conditions.***- Requirements to be met by storerooms and containers:***Observe official regulations on storage and handling of water hazardous substances**Store in cool location.***- Information about storage in one common storage facility:***Pay attention to regulations / technical guidelines on mixed storage of flammable liquids.***- Further information about storage conditions: Keep container tightly sealed****- 7.3 Specific end use(s) No further relevant information available.**


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


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**- Additional information about design of technical systems:***Room ventilation i.e. vacuum suction. Measures to be taken against electro-static sparks.***- 8.1 Control parameters****- Components with critical values that require monitoring at the workplace:****64-17-5 ethanol (50-100%)**

WEL	Long-term value: 1920 mg/m <sup>3</sup> , 1000 ppm
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**67-74-1 acetone (10-25%)**

WEL	Short-term value: 3620 mg/m <sup>3</sup> , 1500 ppm
	Long-term value: 1210 mg/m <sup>3</sup> , 500 ppm

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- **Additional information:** *The lists that were valid during the compilation were used as basis.*
- **8.2 Exposure controls**
- **Personal protective equipment**
- **General protective and hygienic measures**
  - Keep away from food, beverages and fodder.*
  - Instantly remove any soiled and impregnated garments.*
  - Wash hands during breaks and at the end of the work.*
  - Avoid contact with the eyes and skin.*
  - Gases, fumes and aerosols should not be inhaled.*
- **Breathing equipment:**
  - Not necessary if room is well-ventilated.*
  - Use breathing protection in case of insufficient ventilation*
- **Protection of hands:** *Protective gloves.*
  - The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.*
  - Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation*
- **Material of gloves**
  - 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 cannot 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.*
- **Eye protection:** *Tightly sealed safety glasses.*
- **Body protection:**
  - Standard protective clothing. Chemical resistant safety-shoes or boots. If skin contact is possible, wear impenetrable protective clothing against this solvent.*

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**SECTION 9: Physical and chemical properties**

<b>- 9.1 Information on basic physical and chemical properties</b>	
<b>- General Information</b>	
<b>- Appearance:</b>	
Form:	<i>Fluid</i>
Color:	<i>Green</i>
<b>- Smell:</b>	<i>Characteristic</i>
<b>- Odor threshold:</b>	<i>Not determined.</i>
<b>- pH-value:</b>	<i>not applicable</i>
<b>Change in condition</b>	
Melting point/Melting range:	<i>Not determined</i>
Boiling point/Boiling range:	<i>55 °C</i>
<b>- Flash point:</b>	<i>&lt; 0 °C</i>
<b>- Inflammability (solid, gaseous)</b>	<i>Not applicable</i>
<b>- Ignition temperature:</b>	<i>425 °C</i>
<b>- Decomposition temperature:</b>	<i>Not determined.</i>
<b>- Self-inflammability:</b>	<i>Product is not self-igniting.</i>
<b>- Danger of explosion:</b>	<i>Product is not explosive. However, formation of explosive air/steam mixtures is possible.</i>
<b>- Critical values for explosion:</b>	
Lower:	<i>2.6 Vol %</i>
Upper:	<i>15.0 Vol %</i>
<b>- Vapor pressure at 20 °C:</b>	<i>247 hPa</i>
<b>- Density at 20 °C</b>	<i>0.791 g/cm<sup>3</sup></i>
<b>- Relative density</b>	<i>Not determined.</i>
<b>- Vapour density</b>	<i>Not determined.</i>
<b>- Evaporation rate</b>	<i>Not determined.</i>
<b>- Solubility in / Miscibility with Water:</b>	
	<i>Not miscible or difficult to mix</i>
<b>- Partition coefficient (n-octanol/water):</b>	<i>Not determined.</i>
<b>- Viscosity:</b>	
dynamic:	<i>Not determined.</i>
kinematic:	<i>Not determined.</i>
<b>- 9.2 Other information</b>	<i>No further relevant information available.</i>

**SECTION 10: Stability and reactivity**

- 10.1 Reactivity
- 10.2 Chemical stability

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**- Thermal decomposition / conditions to be avoided:***No decomposition if used according to specifications.**To avoid: warmth, flames, sparks***- 10.3 Possibility of hazardous reactions** *No dangerous reactions known***- 10.4 Conditions to avoid** *No further relevant information available.***- 10.5 Incompatible materials:** *strong oxidizing agents***- 10.6 Hazardous decomposition products:** *Formation of carbon monoxide and carbon dioxide in case of fire.*

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**SECTION 11: Toxicological information****- 11.1 Information on toxicological effects****- Acute toxicity:****- Primary irritant effect:***- on the skin: At prolonged contact with product a slight irritation might be possible.**- on the eye: Irritant effect.**- Sensitization: No sensitizing effect known.*

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**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 (Self-assessment): slightly hazardous for water.***- 12.5 Results of PBT and vPvB assessment***- PBT: Not applicable.**- vPvB: Not applicable.**- 12.6 Other adverse effects No further relevant information available.*

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**SECTION 13: Disposal considerations****- 13.1 Waste treatment methods***The following advice is related to new material and not to any processed products. In case of a mixture with other products other disposal methods may become necessary. If in doubt seek advice from product supplier or from local authorities.***- Recommendation***Must not be disposed of together with household garbage. Do not allow product to reach sewage system.**If possible, send to be recycled, otherwise burn or deposit in a certified facility.**Contaminated water to separate by separator and dispose of in line with administrative regulations.*

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**- Waste disposal key number:**

*Since 01/01/99 the waste code numbers have not only been product-related but are also essentially application-related. The valid waste code number of the application can be obtained from the European waste catalogue.*

**- Uncleaned packagings:** Disposal must be made according to official regulations.

**- Recommendation:**

*After complete emptying and cleaning, send to be reconditioned or recycled.*

*Rented packaging: After optimal emptying, close immediately and return to the supplier without cleaning. Care should be taken that no other materials get into the packaging.*

*Other containers: After complete emptying and cleaning, send to be reconditioned or recycled.*

*Caution: Leftovers in the containers may cause the risk of explosion.*

*Uncleaned containers should not be perforated, cut or welded.*

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### SECTION 14: Transport information

- 14.1 UN-Number	
- ADR, IMDG, IATA	UN1993
- 14.2 UN proper shipping name	
- ADR	1993 FLAMMABLE LIQUID, N.O.S. (ETHANOL (ETHYL ALCOHOL), ACETONE), special provision 640D
- IMDG	FLAMMABLE LIQUID, N.O.S. (ETHANOL (ETHYL ALCOHOL), ACETONE)
- IATA	FLAMMABLE LIQUID, N.O.S. (ETHANOL, ACETONE)
- 14.3 Transport hazard class(es)	
- ADR	
- Class	3 (F1) Flammable liquids.
- Label	3
- IMDG, IATA	
- Class	3 Flammable liquids.
- Label	3
- 14.4 Packing group	
- ADR, IMDG, IATA	II
- 14.5 Environmental hazards:	Not applicable
- Marine pollutant:	No
- 14.6 Special precautions for user	Warning: Flammable liquids.
- Kemler Number:	33
- EMS Number:	F-E,S-E
- 14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable
- ADR	
- Excepted quantities (EQ)	Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml

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- IMDG	
- Limited quantities (LQ)	1L
- Excepted quantities (EQ)	Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml
- UN "Model Regulation":	UN1993, FLAMMABLE LIQUID, N.O.S. (ETHANOL (ETHYL ALCOHOL), ACETONE), special provision 640D, 3, II

**SECTION 15: Regulatory information**

- 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
- National regulations
- Information about limitation of use: *Employment restrictions concerning young persons must be observed.*
- Decree to be applied in case of technical fault:  
*Material group 2 (light flammable liquids) mixing-swell to be observed*
- Technical instructions (air):
 

Class	Share in %
NK	50-100
- VOC 99.95% volatile organic compounds (Council Directive 2010/75/EC).
- Water hazard class:  
*Water hazard class 1 (self-assessment according to German VwVwS (Regulations for water-hazardous substances): slightly hazardous for water.*
- 15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

**SECTION 16: Other information**

*These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.*

- Relevant phrases  
*Complete wording of hazard statements and risk phrases (H- and R-phrases) mentioned in section 3. These phrases refer to the constituents. The labelling for this product is stated in section 2.*  
*H225 Highly flammable liquid and vapor.*  
*H319 Causes serious eye irritation.*  
*H336 May cause drowsiness or dizziness.*  
*R11 Highly flammable.*  
*R36 Irritating to eyes.*  
*R66 Repeated exposure may cause skin dryness or cracking.*  
*R67 Vapors may cause drowsiness and dizziness.*
- Department issuing data specification sheet: *see item 1: Informing department*
- Abbreviations and acronyms:  
*LEV: Local Exhaust Ventilation*  
*RPE: Respiratory Protective Equipment*  
*RCR: Risk Characterization Ratio (RCR= PEC/PNEC)*  
*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*

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*GHS: Globally Harmonized System of Classification and Labelling of Chemicals*

*CLP: Classification, Labelling and Packaging (Regulation (EC) No. 1272/2008)*

*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)*

*Flam. Liq. 2: Flammable liquids, Hazard Category 2*

*Eye Irrit. 2: Serious eye damage/eye irritation, Hazard Category 2*

*STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3*