Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 22.01.2013 Version number 5 Revision: 22.01.2013

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

· ***1.1 Product identifier***

· ***Trade name:*** **CRAFTEX EXTRA-SOLV**

· ***Article number:*** 0039
· ***1.2 Relevant identified uses of the substance or mixture and uses advised against***
· ***Sector of Use*** Cleaning industry
· ***Product category*** PC35 Washing and cleaning products (including solvent based products)
· ***Application of the substance / the preparation*** Solvent pre-spotter/additive

· ***1.3 Details of the supplier of the safety data sheet***
· ***Manufacturer/Supplier:***
Craftex Cleaning Systems
Greenstalls Park, Costello Hill
Ilchester, Somerset, BA22 8HD

· ***Further information obtainable from:*** Product safety department.
·***1.4 Emergency telephone number:*** 01935 842509

2 Hazards identification

· ***2.1 Classification of the substance or mixture***

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

T; Toxic

R61: May cause harm to the unborn child.

Xi; Irritant

R36/37/38: Irritating to eyes, respiratory system and skin.

F; Highly flammable

R11: Highly flammable.

R67: Vapours may cause drowsiness and dizziness.
· ***Information concerning particular hazards for human and environment:***
The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.
· ***Classification system:***
The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

· ***2.2 Label elements***

· ***Labelling according to EU guidelines:***
The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials.

· ***Code letter and hazard designation of product:***

T Toxic
F Highly flammable

· ***Hazard-determining components of labelling:***
n-methyl-2-pyrrolidone

· ***Risk phrases:***
61 May cause harm to the unborn child.
11 Highly flammable.
36/37/38 Irritating to eyes, respiratory system and skin.
67 Vapours may cause drowsiness and dizziness.

· ***Safety phrases:***
53 Avoid exposure - obtain special instructions before use.
1/2 Keep locked up and out of the reach of children.
9 Keep container in a well-ventilated place.
13 Keep away from food, drink and animal feedingstuffs.
29/56 Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point.

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45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

· ***Special labelling of certain preparations:***
Restricted to professional users.
· ***2.3 Other hazards***
· ***Results of PBT and vPvB assessment***
· ***PBT:*** Not applicable.
· ***vPvB:*** Not applicable.

3 Composition/information on ingredients

· ***3.2 Chemical characterization: Mixtures***
· ***Description:*** Mixture of substances listed below with nonhazardous additions.

· ***Dangerous components:***

CAS: 67-64-1 EINECS: 200-662-2	acetone Xi R36; F R11 R66-67 Flam. Liq. 2, H225; Eye Irrit. 2, H319; STOT SE 3, H336	50-100%
CAS: 872-50-4 EINECS: 212-828-1	n-methyl-2-pyrrolidone T Repr. Cat. 2 R61; Xi R36/37/38 Repr. 1B, H360D; Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3, H335	10-25%
CAS: 78-93-3 EINECS: 201-159-0	butanone Xi R36; F R11 R66-67 Flam. Liq. 2, H225; Eye Irrit. 2, H319; STOT SE 3, H336	10-25%

· ***SVHC***

872-50-4	n-methyl-2-pyrrolidone

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

4 First aid measures

· ***4.1 Description of first aid measures***
· ***After inhalation:*** In case of unconsciousness place patient stably in side position for transportation.
· ***After skin contact:*** Immediately wash with water and soap and rinse thoroughly.
· ***After eye contact:*** Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
· ***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.

5 Firefighting measures

· ***5.1 Extinguishing media***
· ***Suitable extinguishing agents:*** CO_2, 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.

6 Accidental release measures

· ***6.1 Personal precautions, protective equipment and emergency procedures***
Wear protective equipment. Keep unprotected persons away.
· ***6.2 Environmental precautions:***
Do not allow product to reach sewage system or any water course.
Inform respective authorities in case of seepage into water course or sewage system.
Dilute with plenty of water.
Do not allow to enter sewers/ surface 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).
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.

7 Handling and storage

· ***7.1 Precautions for safe handling***
Ensure good ventilation/exhaustion at the workplace.

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Open and handle receptacle with care.
Prevent formation of aerosols.

· ***Information about fire - and explosion protection:***
Keep ignition sources away - Do not smoke.
Protect against electrostatic charges.
Keep respiratory protective device available.

· ***7.2 Conditions for safe storage, including any incompatibilities***
· ***Storage:***
· ***Requirements to be met by storerooms and receptacles:*** Store in a cool location.
· ***Information about storage in one common storage facility:*** Not required.
· ***Further information about storage conditions:***
Keep container tightly sealed.
Store in cool, dry conditions in well sealed receptacles.
· ***7.3 Specific end use(s)*** No further relevant information available.

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:***	
67-64-1 acetone	
WEL	Short-term value: 3620 mg/m³, 1500 ppm Long-term value: 1210 mg/m³, 500 ppm
872-50-4 n-methyl-2-pyrrolidone	
WEL	Short-term value: 80 mg/m³, 20 ppm Long-term value: 40 mg/m³, 10 ppm Sk
78-93-3 butanone	
WEL	Short-term value: 899 mg/m³, 300 ppm Long-term value: 600 mg/m³, 200 ppm Sk, BMGV

· ***Ingredients with biological limit values:***	
78-93-3 butanone	
BMGV	70 µmol/L Medium: urine Sampling time: post shift Parameter: butan-2-one

· ***Additional information:*** The lists valid during the making were used as basis.

· ***8.2 Exposure controls***
· ***Personal protective equipment:***
· ***General protective and hygienic measures:***
Keep away from foodstuffs, beverages and feed.
Immediately remove all soiled and contaminated clothing
Wash hands before breaks and at the end of work.
Store protective clothing separately.
Avoid contact with the eyes and skin.
· ***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***
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.

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· ***Eye protection:***

Tightly sealed goggles

9 Physical and chemical properties

· ***9.1 Information on basic physical and chemical properties***	
· ***General Information***	
· ***Appearance:***	
Form:	Liquid
Colour:	Colourless
· ***Odour:***	Strong
· ***Odour threshold:***	Not determined.
· ***pH-value:***	Not determined.
· ***Change in condition***	
Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	58 °C
· ***Flash point:***	-18 °C
· ***Flammability (solid, gaseous):***	Not applicable.
· ***Ignition temperature:***	270 °C
· ***Decomposition temperature:***	Not determined.
· ***Self-igniting:***	Product is not selfigniting.
· ***Danger of explosion:***	Product is not explosive. However, formation of explosive air/vapour mixtures are possible.
· ***Explosion limits:***	
Lower:	1.3 Vol %
Upper:	13.0 Vol %
· ***Vapour pressure at 20 °C:***	233 hPa
· ***Density at 20 °C:***	0.8393 g/cm³
· ***Relative density***	Not determined.
· ***Vapour density***	Not determined.
· ***Evaporation rate***	Not determined.
· ***Solubility in / Miscibility with water:***	Fully miscible.
· ***Partition coefficient (n-octanol/water):***	Not determined.
· ***Viscosity:***	
Dynamic:	Not determined.
Kinematic:	Not determined.
· ***Solvent content:***	
Organic solvents:	100.0 %
· ***9.2 Other information***	No further relevant information available.

10 Stability and reactivity

· ***10.1 Reactivity***
· ***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.

11 Toxicological information

· ***11.1 Information on toxicological effects***
· ***Acute toxicity:***

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

67-64-1 acetone

Oral	LD50	5800 mg/kg (rat)

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Dermal	LD50	20000 mg/kg (rabbit)
	LC50/96 h	8300 mg/l (fish)
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Oral	LD50	3914 mg/kg (rat)
Dermal	LD50	8000 mg/kg (rabbit)
	LC50/96 h	832 mg/l (fish)

· ***Primary irritant effect:***
· ***on the skin:*** Irritant to skin and mucous membranes.
· ***on the eye:*** Irritating effect.
· ***Sensitization:*** No sensitizing effects known.
· ***Additional toxicological information:***
The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:
Irritant

12 Ecological information

· ***12.1 Toxicity***

· ***Aquatic toxicity:***	
67-64-1 acetone	
EC50/48 h	10 mg/l (daphnia)
872-50-4 n-methyl-2-pyrrolidone	
EC50/48 h	4000 mg/l (daphnia)

· ***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.
· ***12.5 Results of PBT and vPvB assessment***
· ***PBT:*** Not applicable.
· ***vPvB:*** Not applicable.
· ***12.6 Other adverse effects*** No further relevant information available.

13 Disposal considerations

· ***13.1 Waste treatment methods***
· ***Recommendation*** Must not be disposed together with household waste. 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.

14 Transport information

· ***14.1 UN-Number***	
· ***ADR, IMDG, IATA***	UN1993
· ***14.2 UN proper shipping name***	
· ***ADR***	1993 FLAMMABLE LIQUID, N.O.S. (ACETONE, ETHYL METHYL KETONE (METHYL ETHYL KETONE))
· ***IMDG, IATA***	FLAMMABLE LIQUID, N.O.S. (ACETONE, ETHYL METHYL KETONE (METHYL ETHYL KETONE))
· ***14.3 Transport hazard class(es)***	
· ***ADR, IMDG, IATA***	

· ***Class***	3 Flammable liquids.
· ***Label***	3
· ***14.4 Packing group***	
· ***ADR, IMDG, IATA***	II

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· ***14.5 Environmental hazards:***	
· ***Marine pollutant:***	No
· ***14.6 Special precautions for user***	Warning: Flammable liquids.
· ***Danger code (Kemler):***	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.
· ***Transport/Additional information:***	
· ***ADR***	
· ***Limited quantities (LQ)***	1L
· ***Transport category***	2
· ***Tunnel restriction code***	D/E

15 Regulatory information

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

· ***National regulations:***

· ***Other regulations, limitations and prohibitive regulations***

· ***Substances of very high concern (SVHC) according to REACH, Article 57***

872-50-4	n-methyl-2-pyrrolidone

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

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.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H360D	May damage the unborn child.
R11	Highly flammable.
R36	Irritating to eyes.
R36/37/38	Irritating to eyes, respiratory system and skin.
R61	May cause harm to the unborn child.
R66	Repeated exposure may cause skin dryness or cracking.
R67	Vapours may cause drowsiness and dizziness.

· ***Department issuing MSDS:*** Product safety department.