

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

Printing date 29.09.2017

V - 1

Revision: 23.01.2017

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

- **1.1 Product identifier**
- **Trade name:** CARSYSTEM IND 1K NC Putty
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**
The product is intended for professional use.
Uses advised against:
Not suitable for use in homemaker (DIY) applications.
- **Application of the substance / the mixture** Knife filler/ Surfacer
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
Vosschemie GmbH
Esinger Steinweg 50
D-25436 Uetersen
Phone: +49 (0)4122 717 0; Fax: +49 (0)4122 717158; info@vosschemie.de
- **Further information obtainable from:**
Abteilung Labor / +49 (0)4122 717 0
s.schaller@vosschemie.de
- **1.4 Emergency telephone number:**
Giftinformationszentrum (GIZ)-Nord, Goettingen, Deutschland
Phone: +49 (0)551 19240

1.5 Distributed By:

Sydney Automotive Paint and Equipment

Unit A3, 366 Edgar Street

Condell Park

NSW 2200

Australia

Tel: +61 2 9772 9000

Email: reception@sape.com.au

Emergency telephone: AU Poison Information Centre 13 11 26
General medical information: +61 2 9772 9000 (Mon to Fri, 08:00-16:00 AEST)
Transport information: +61 2 9772 9000 (Mon to Fri, 08:00-16:00 AEST)

SECTION 2: Hazards identification

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



GHS02 flame

Flam. Liq. 2 H225 Highly flammable liquid and vapour.

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GHS05 corrosion

Eye Dam. 1 H318 Causes serious eye damage.

· **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 GHS05

· **Signal word Danger**

· **Hazard-determining components of labelling:**

butan-1-ol

· **Hazard statements**

H225 Highly flammable liquid and vapour.

H318 Causes serious eye damage.

· **Precautionary statements**

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P233 Keep container tightly closed.

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.

P310 Immediately call a POISON CENTER/doctor.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

· **Additional information:**

EUH066 Repeated exposure may cause skin dryness or cracking.

Contains 2-butanone oxime. May produce an allergic reaction.

· **2.3 Other hazards**

· **Results of PBT and vPvB assessment**

· **PBT:** Not applicable.

· **vPvB:** Not applicable.

SECTION 3: Composition/information on ingredients

· **3.2 Chemical characterisation: Mixtures**

· **Description:** Mixture of substances listed below with nonhazardous additions.

· **Dangerous components:**

CAS: 123-86-4	n-butyl acetate	5-15%
EINECS: 204-658-1	⚠ Flam. Liq. 3, H226; ⚠ STOT SE 3, H336	
Reg.nr.: 01-2119485493-29		

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CAS: 9004-70-0 EC number: 618-392-2	nitrocellulose ⚠ Expl. 1.1, H201	2.5-<10%
EC number: 905-562-9 Reg.nr.: 01-2119555267-33	Reaction mass of ethylbenzene and m-xylene and p-xylene ⚠ Flam. Liq. 3, H226; ⚠ Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315	1-5%
CAS: 71-36-3 EINECS: 200-751-6 Reg.nr.: 01-2119484630-38	butan-1-ol ⚠ Flam. Liq. 3, H226; ⚠ Eye Dam. 1, H318; ⚠ Acute Tox. 4, H302; Skin Irrit. 2, H315; STOT SE 3, H335-H336	1-5%
CAS: 108-10-1 EINECS: 203-550-1 Reg.nr.: 01-2119473980-30	4-methylpentan-2-one ⚠ Flam. Liq. 2, H225; ⚠ Acute Tox. 4, H332; Eye Irrit. 2, H319; STOT SE 3, H335	1-5%
CAS: 78-93-3 EINECS: 201-159-0 Reg.nr.: 01-2119457290-43	butanone ⚠ Flam. Liq. 2, H225; ⚠ Eye Irrit. 2, H319; STOT SE 3, H336	1-2.5%
CAS: 96-29-7 EINECS: 202-496-6 Reg.nr.: 01-2119539477-28	2-butanone oxime ⚠ Carc. 2, H351; ⚠ Eye Dam. 1, H318; ⚠ Acute Tox. 4, H312; Skin Sens. 1, H317	0.1-1.0%

· **Additional information:** For the wording of the listed hazard 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.
Personal protection for the First Aider.
Take affected persons out of danger area and lay down.
- **After inhalation:**
Supply fresh air and to be sure call for a doctor.
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:** Do not induce vomiting; call for medical help immediately.
- **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 Extinguishing media** **Hazchem: •3YE**
- **Suitable extinguishing agents:**
CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **For safety reasons unsuitable extinguishing agents:** Water with full jet
- **5.2 Special hazards arising from the substance or mixture**
Can form explosive gas-air mixtures.
Formation of toxic gases is possible during heating or in case of fire.
- **5.3 Advice for firefighters**
- **Protective equipment:**
Wear self-contained respiratory protective device.

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Do not inhale explosion gases or combustion gases.

· Additional information

Cool endangered receptacles with water spray.

Collect contaminated fire fighting water separately. It must not enter the sewage system.

Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

SECTION 6: Accidental release measures**· 6.1 Personal precautions, protective equipment and emergency procedures**

Wear protective equipment. Keep unprotected persons away.

Ensure adequate ventilation

Keep away from ignition sources.

Avoid contact with the eyes and skin.

· 6.2 Environmental precautions: 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).

Do not flush with water or aqueous cleansing agents

Dispose of the material collected according to regulations.

· 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.

SECTION 7: Handling and storage**· 7.1 Precautions for safe handling**

Ensure good interior ventilation, especially at floor level. (Fumes are heavier than air).

Avoid contact with the eyes and skin.

Ensure good ventilation/exhaustion at the workplace.

Open and handle receptacle with care.

· Information about fire - and explosion protection:

Fumes can combine with air to form an explosive mixture.

Use explosion-proof apparatus / fittings and spark-proof tools.

Ground/bond container and receiving equipment.

Keep ignition sources away - Do not smoke.

· 7.2 Conditions for safe storage, including any incompatibilities**· Storage:****· Requirements to be met by storerooms and receptacles:**

Store in a cool location.

Store only in the original receptacle.

· Information about storage in one common storage facility:

Store away from oxidising agents.

Store away from foodstuffs.

· Further information about storage conditions:

Keep container tightly sealed.

Store in cool, dry conditions in well sealed receptacles.

Store receptacle in a well ventilated area.

· 7.3 Specific end use(s) No further relevant information available.

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SECTION 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:**

123-86-4 n-butyl acetate

WEL (Great Britain)	Short-term value: 966 mg/m ³ , 200 ppm Long-term value: 724 mg/m ³ , 150 ppm
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71-36-3 butan-1-ol

WEL (Great Britain)	Short-term value: 154 mg/m ³ , 50 ppm Sk
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108-10-1 4-methylpentan-2-one

WEL (Great Britain)	Short-term value: 416 mg/m ³ , 100 ppm Long-term value: 208 mg/m ³ , 50 ppm Sk, BMGV
IOELV (EU)	Short-term value: 208 mg/m ³ , 50 ppm Long-term value: 83 mg/m ³ , 20 ppm

78-93-3 butanone

WEL (Great Britain)	Short-term value: 899 mg/m ³ , 300 ppm Long-term value: 600 mg/m ³ , 200 ppm Sk, BMGV
IOELV (EU)	Short-term value: 900 mg/m ³ , 300 ppm Long-term value: 600 mg/m ³ , 200 ppm

· **DNELs**

123-86-4 n-butyl acetate

Oral	Long-term exposure - systemic effects	3.4 mg/kg bw/day (general population)
Dermal	Long-term exposure - systemic effects	3.4 mg/kg bw/day (general population) 7 mg/kg bw/day (worker)
Inhalative	Long-term exposure - systemic effects	102.34 mg/m ³ (general population) 480 mg/m ³ (worker)
	Acute/short-term exposure - systemic effects	859.7 mg/m ³ (general population) 960 mg/m ³ (worker)
	Acute/short-term exposure - local effects	859.7 mg/m ³ (general population) 960 mg/m ³ (worker)
	Long-term exposure - local effects	102.34 mg/m ³ (general population) 480 mg/m ³ (worker)

108-10-1 4-methylpentan-2-one

Oral	Long-term exposure - systemic effects	4.2 mg/kg bw/day (general population)
Dermal	Long-term exposure - systemic effects	4.2 mg/kg bw/day (general population) 11.8 mg/kg bw/day (worker)
Inhalative	Long-term exposure - systemic effects	14.7 mg/m ³ (general population) 83 mg/m ³ (worker)
	Acute/short-term exposure - systemic effects	155.2 mg/m ³ (general population)

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	Acute/short-term exposure - local effects	208 mg/m ³ (worker) 155.2 mg/m ³ (general population)
	Long-term exposure - local effects	208 mg/m ³ (worker) 14.7 mg/m ³ (general population) 83 mg/m ³ (worker)
78-93-3 butanone		
Oral	Long-term exposure - systemic effects	31 mg/kg bw/day (general population)
Dermal	Long-term exposure - systemic effects	412 mg/kg bw/day (general population) 1161 mg/kg bw/day (worker)
Inhalative	Long-term exposure - systemic effects	106 mg/m ³ (general population) 600 mg/m ³ (worker)

· PNECs

123-86-4 n-butyl acetate

PNEC aqua	0.18 mg/l (freshwater) 0.018 mg/l (marine water) 0.36 mg/l (intermittent releases)
PNEC sediment	0.981 mg/kg (freshwater) 0.0981 mg/kg (marine water)
PNEC STP	35.6 mg/l
PNEC soil	0.0903 mg/kg (soil dw)

108-10-1 4-methylpentan-2-one

PNEC aqua	0.6 mg/l (freshwater) 0.06 mg/l (marine water) 1.5 mg/l (intermittent releases)
PNEC sediment	8.27 mg/kg (freshwater) 0.83 mg/kg (marine water)
PNEC STP	27.5 mg/l
PNEC soil	1.3 mg/kg

78-93-3 butanone

PNEC aqua	55.8 mg/l (freshwater) 55.8 mg/l (marine water) 55.8 mg/l (intermittent releases)
PNEC sediment	284.74 mg/kg (freshwater) 284.7 mg/kg (marine water)
PNEC STP	709 mg/l
PNEC soil	22.5 mg/kg
PNEC oral	1000 mg/kg

· Ingredients with biological limit values:

108-10-1 4-methylpentan-2-one

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<i>BMGV (Great Britain)</i>	20 µmol/L Medium: urine Sampling time: post shift Parameter: 4-methylpentan-2-one
78-93-3 butanone	
<i>BMGV (Great Britain)</i>	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:**

Do not eat, drink, smoke or sniff while working.

Take off contaminated clothing.

Use skin protection cream for skin protection.

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing

Wash hands before breaks and at the end of work.

Avoid contact with the eyes and skin.

· **Respiratory protection:**

Ensure good ventilation/exhaustion at the workplace.

Use suitable respiratory protective device in case of insufficient ventilation.

Filter A/P2

· **Protection of hands:**

Check the permeability prior to each renewed use of the glove.

Preventive skin protection by use of skin-protecting agents is recommended.

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**

Nitrile rubber, NBR

Recommended thickness of the material: ≥ 0.7 mm

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**

Value for the permeation: Level ≤ 6 (≥ 480 min.)

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 goggles

· **Body protection:** Protective work clothing

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SECTION 9: Physical and chemical properties

· 9.1 Information on basic physical and chemical properties

· General Information

· Appearance:

Form: Highly viscous

Colour: Light grey

· Odour: Characteristic

· Odour threshold: Not determined.

· pH-value: Not determined.

· Change in condition

Melting point/freezing point: Undetermined.

Initial boiling point and boiling range: Undetermined.

· Flash point: 12°C

· Flammability (solid, gas): Not applicable.

· Ignition temperature: Not determined

· Decomposition temperature: Not determined.

· Auto-ignition temperature: Product is not selfigniting.

· Explosive properties: Product is not explosive. However, formation of explosive air/vapour mixtures are possible.

· Explosion limits:

Lower: 1.0 Vol %

Upper: 15.0 Vol %

· Vapour pressure at 20°C: 105 hPa

· Density at 20°C: ~1.68 g/cm³

· Relative density: Not determined.

· Vapour density: Not determined.

· Evaporation rate: Not determined.

· Solubility in / Miscibility with water:

Not miscible or difficult to mix.

· Partition coefficient: n-octanol/water: Not determined.

· Viscosity:

Dynamic: Not determined

Kinematic: Not determined

· 9.2 Other information: No further relevant information available.

SECTION 10: Stability and reactivity

· 10.1 Reactivity: No decomposition if used according to specifications.

· 10.2 Chemical stability: No decomposition if used and stored according to specifications.

· Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.

· 10.3 Possibility of hazardous reactions

Reacts with alkali, amines and strong acids.

Reacts with oxidising agents.

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Fumes can combine with air to form an explosive mixture.

· **10.4 Conditions to avoid**

Protect from heat and direct sunlight.

Avoid naked flames, sparks, other ignition sources and sunlight.

· **10.5 Incompatible materials:** No further relevant information available.

· **10.6 Hazardous decomposition products:**

Formation of toxic gases is possible during heating or in case of fire.

SECTION 11: Toxicological information

· **11.1 Information on toxicological effects**

· **Acute toxicity** Based on available data, the classification criteria are not met.

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

123-86-4 n-butyl acetate

Oral	LD50	10760 mg/kg (rat) (OECD 423)
Dermal	LD 50	> 5000 mg/kg (rabbit)
Inhalative	LC50 /4h	> 21 mg/l (rat) (OECD 403, vapour)
	LC 50 / 4h	23.4 mg/l (rat) (OECD 403, aerosol)

Reaction mass of ethylbenzene and m-xylene and p-xylene

Oral	ATE	>2000 mg/kg (mix) (Calculation method)
	LD50	4300 mg/kg (rat)
Dermal	ATE	1466.67 mg/kg (mix) (Calculation method)
	LD 50	> 2000 mg/kg (rabbit)
Inhalative	ATE	12.09 mg/l (mix) (4h / vapours ; Calculation method)
	LC50 /4h	6350 ppm (rat)

71-36-3 butan-1-ol

Oral	LD50	2292 mg/kg (rat)
Dermal	LD50	3400 mg/kg (rabbit)
Inhalative	LC50 /4h	25 mg/m ³ (rat)

108-10-1 4-methylpentan-2-one

Oral	LD50	2080 mg/kg (rat)
Dermal	LD 50	16000 mg/kg (rab)
Inhalative	LC 50 / 4h	10-20 mg/l (rat)

78-93-3 butanone

Oral	LD50	> 2193 mg/kg (rat)
Dermal	LD50	5000 mg/kg (rabbit)
Inhalative	LC50 /4h	34 mg/m ³ (rat)

96-29-7 2-butanone oxime

Oral	LD50	930 mg/kg (rat) (Fed. Hazardous Substances Act, 16 CFR, Sect. 1500.)
Dermal	LD50	> 1000 mg/kg (rabbit) (OECD Guideline 402)
Inhalative	LC50 /4h	20 mg/l (rat)

· **Primary irritant effect:**

· **Skin corrosion/irritation** Based on available data, the classification criteria are not met.

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- **Serious eye damage/irritation**
Causes serious eye damage.
- **Subacute to chronic toxicity:** No further relevant information available.
- **Sensitisation**
Sensitising effect by skin contact is possible by prolonged exposure.
May cause an allergic skin reaction.
- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**
No further relevant information available.
- **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:

123-86-4 n-butyl acetate

EC50	356 mg/l (bacteria) (Tetrahymena, 40h)
EC50/48h	44 mg/l (daphnia magna)
EC50/72h	674.7 mg/l (scenedesmus subspicatus) 647.7 mg/l (desmodesmus subspicatus)
LC50/96h	18 mg/l (pimephales promelas) (OECD 203)
LC50	64 mg/l (danio rerio) (48h)
NOEC	200 mg/l (desmodesmus subspicatus)

Reaction mass of ethylbenzene and m-xylene and p-xylene

EC50/48h	> 3.4 mg/l (daphnia magna) (EPA 600/4-91-003)
EC50/72h	4.9 mg/l (Pseudokirchneriella subcapitata) (OECD 201)
EC50/3h	> 157 mg/l (activated slugde) (OECD 209)
LC50/96h	2.6 mg/l (oncorhynchus mykiss) (OECD 203)
LOEC	3.16 mg/l (daphnia magna) (OECD 211, 21d)
NOEC	1.57 mg/l (daphnia magna) (OECD 211, 21d) > 1.3 mg/l (oncorhynchus mykiss) (56d)

71-36-3 butan-1-ol

EC50/48h	1983 mg/l (daphnia magna)
EC50/72h	> 500 mg/l (Pseudokirchneriella subcapitata)
LC50/96h	1730 mg/l (pimephales promelas)

108-10-1 4-methylpentan-2-one

EC50/48h	> 200 mg/l (daphnia magna) (OECD 202)
LC50/96h	> 179 mg/l (danio rerio) > 505 mg/l (pimephales promelas)
NOEC	78 mg/l (daphnia magna) (OECD 211, 21d)

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NOEC (aqua chron.)	7.8 - 38 mg/l (daphnia magna) (21d) 168 mg/l (pimephales promelas) (33d)
78-93-3 butanone	
EC50/48h	308 mg/l (daphnia magna)
LC50/96h	3220 mg/l (Lepomis macrochirus) 2993 mg/l (pimephales promelas)
96-29-7 2-butanone oxime	
EC50/48h	201 mg/l (daphnia magna) (OECD Guideline 202)
EC50/72h	11.8 mg/l (Senastrum capricornutum) (OECD Guideline 201)
LC50/96h	> 100 mg/l (Oryzias latipes) (OECD Guideline 203) > 843 mg/l (pimephales promelas)
NOEC	2.56 mg/l (Senastrum capricornutum) (OECD Guideline 201) 93 mg/l (daphnia magna) (OECD Guideline 202)
NOEC (aqua chron.)	≥ 100 mg/l (daphnia magna) (OECD Guideline 211, 21d) ≥ 100 mg/l (Oryzias latipes) (OECD Guideline 204, 14d)
· 12.2 Persistence and degradability	
123-86-4 n-butyl acetate	
Biodegradation	83 % (OECD 301 D 28d)
71-36-3 butan-1-ol	
Biodegradation	92 % (20d)
96-29-7 2-butanone oxime	
Biodegradation	70 % (OECD Guideline 302 B, 18d)
· 12.3 Bioaccumulative potential	
123-86-4 n-butyl acetate	
log Pow	2.3 (OECD 117)
BCF	15.3
Reaction mass of ethylbenzene and m-xylene and p-xylene	
log Kow	3.15
BCF	< 100
Kow	1425
71-36-3 butan-1-ol	
log Pow	1
BCF	3.16
108-10-1 4-methylpentan-2-one	
log Pow	1.38
log Kow	1.31
78-93-3 butanone	
log Kow	0.3
Kow	2
96-29-7 2-butanone oxime	
log Pow	0.63
BCF	2.5-5.8

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	0.5 - 0.6 (Cyprinus carpio) (OECD Guideline 305 C)
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· Behaviour in environmental systems:

· 12.4 Mobility in soil

123-86-4 n-butyl acetate

log Koc 1.27

Reaction mass of ethylbenzene and m-xylene and p-xylene

log Koc 2.73

Koc 537 (OECD 212)

78-93-3 butanone

log Koc 0.6

Koc 3.8

96-29-7 2-butanone oxime

log Koc 0.55 (lit.)

· Additional ecological information:

· General notes:

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.

SECTION 13: Disposal considerations

· 13.1 Waste treatment methods

· Recommendation

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

· Waste disposal key:

The waste codes given above are to be considered recommendations; because of regional and industrial sector specific features, application of different waste codes is possible.

· European waste catalogue

08 01 11*	waste paint and varnish containing organic solvents or other hazardous substances
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· Uncleaned packaging:

· Recommendation: Disposal must be made according to official regulations.

SECTION 14: Transport information

· 14.1 UN-Number

· ADR, IMDG, IATA

UN1263

· 14.2 UN proper shipping name

· ADR

1263 PAINT

· IMDG, IATA

PAINT

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· 14.3 Transport hazard class(es)

Hazchem: •3YE

· ADR, IMDG, IATA



· Class

3 Flammable liquids.

· Label

3

· 14.4 Packing group

· ADR, IMDG, IATA

II

· 14.5 Environmental hazards:

Not applicable.

· 14.6 Special precautions for user

Warning: Flammable liquids.

· Danger code (Kemler):

33

· EMS Number:

F-E,S-E

· Stowage Category

B

· 14.7 Transport in bulk according to Annex II of
Marpol and the IBC Code

Not applicable.

· Transport/Additional information:

· ADR

· Limited quantities (LQ)

5L

· Excepted quantities (EQ)

Code: E2

Maximum net quantity per inner packaging: 30 ml

Maximum net quantity per outer packaging: 500 ml

· Transport category

2

· Tunnel restriction code

D/E

· Remarks:

ADR 2.2.3.1.5

· IMDG

· Limited quantities (LQ)

5L

· Excepted quantities (EQ)

Code: E2

Maximum net quantity per inner packaging: 30 ml

Maximum net quantity per outer packaging: 500 ml

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.

· Seveso category P5c FLAMMABLE LIQUIDS

· REGULATION (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 3

· National regulations:

· Information about limitation of use:

Employment restrictions concerning juveniles must be observed.

Employment restrictions concerning pregnant and lactating women must be observed.

(Contd. on page 14)

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

Printing date 29.09.2017

V - 1

Revision: 23.01.2017

Trade name: CARSYSTEM IND 1K NC Putty

(Contd. of page 13)

- **Other regulations, limitations and prohibitive regulations**
Adhere to the Ordinances on the Prohibition of Certain Chemicals.
- **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**

- H201 Explosive; mass explosion hazard.
- H225 Highly flammable liquid and vapour.
- H226 Flammable liquid and vapour.
- H302 Harmful if swallowed.
- H312 Harmful in contact with skin.
- H315 Causes skin irritation.
- H317 May cause an allergic skin reaction.
- H318 Causes serious eye damage.
- H319 Causes serious eye irritation.
- H332 Harmful if inhaled.
- H335 May cause respiratory irritation.
- H336 May cause drowsiness or dizziness.
- H351 Suspected of causing cancer.

- **Department issuing SDS:** Abteilung Labor

- **Contact:** Frau S. Schaller

- **Abbreviations and acronyms:**

- RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
- ICAO: International Civil Aviation Organisation
- 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)
- DNEL: Derived No-Effect Level (REACH)
- PNEC: Predicted No-Effect Concentration (REACH)
- LC50: Lethal concentration, 50 percent
- LD50: Lethal dose, 50 percent
- PBT: Persistent, Bioaccumulative and Toxic
- vPvB: very Persistent and very Bioaccumulative
- Expl. 1.1: Explosives – Division 1.1
- Flam. Liq. 2: Flammable liquids – Category 2
- Flam. Liq. 3: Flammable liquids – Category 3
- Acute Tox. 4: Acute toxicity – Category 4
- Skin Irrit. 2: Skin corrosion/irritation – Category 2
- Eye Dam. 1: Serious eye damage/eye irritation – Category 1
- Eye Irrit. 2: Serious eye damage/eye irritation – Category 2
- Skin Sens. 1: Skin sensitisation – Category 1
- Carc. 2: Carcinogenicity – Category 2
- STOT SE 3: Specific target organ toxicity (single exposure) – Category 3