

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

1.1 Product identifier

Trade name: *1K NC MULTI PUTTY (Code 7400.10082 200g)*

1.2 Relevant identified uses of the substance or mixture and uses advised against Identified uses: professional use.

Application of the substance / the mixture Knife filler/ Surfacer

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier:

Abcon Industrial Products Ltd

CavMac Hose Building, Cavan Road, Cootehill, Co Cavan

Tel. +353 49 5552340

Fax: +353 49 5552312

sales@abconireland.com

Further information obtainable from: sales@abconireland.com

1.4 Emergency telephone number: +353 49 5552340

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008



GHS02

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



GHS05

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.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P233 Keep container tightly closed.

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.

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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 EINECS: 204-658-1 Reg.nr.: 01-2119485493-29 | n-butyl acetate ----- ⚠ Flam. Liq. 3, H226; ⚠ STOT SE 3, H336 | 5-15% |
| CAS: 9004-70-0 EC number: 618-392-2 | nitrocellulose ----- ⚠ Expl. 1.1, H201 | 2.5-<10% |
| List no.: 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: 123-42-2 EINECS: 204-626-7 Reg.nr.: 01-2119473975-21 | 4-hydroxy-4-methylpentan-2-one ----- ⚠ Flam. Liq. 3, H226; ⚠ Eye Irrit. 2, H319; STOT SE 3, H335 | 0.1-1% |
| CAS: 64-17-5 EINECS: 200-578-6 Reg.nr.: 01-2119457610-43 | ethanol ----- ⚠ Flam. Liq. 2, H225; ⚠ Eye Irrit. 2, H319 | 0.1-1% |
| 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% |

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.

In case of irregular breathing or respiratory arrest provide artificial respiration.

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.

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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****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.

Carbon monoxide and carbon dioxide

5.3 Advice for firefighters**Protective equipment:**

Wear self-contained respiratory protective device.

Do not inhale explosion gases or combustion gases.

Additional information

Cool endangered receptacles with water spray.

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

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

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.

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

Do not allow to enter sewers/ surface or ground water.

Information about fire - and explosion protection:

Keep ignition sources away - Do not smoke.

Fumes can combine with air to form an explosive mixture.

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 foodstuffs.

Store away from oxidising agents.

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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.

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 |
|---------------------|---|

71-36-3 butan-1-ol

| | |
|---------------------|--|
| WEL (Great Britain) | Short-term value: 154 mg/m ³ , 50 ppm Sk |
|---------------------|--|

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 |

123-42-2 4-hydroxy-4-methylpentan-2-one

| | |
|---------------------|---|
| WEL (Great Britain) | Short-term value: 362 mg/m ³ , 75 ppm Long-term value: 241 mg/m ³ , 50 ppm |
|---------------------|---|

64-17-5 ethanol

| | |
|---------------------|--|
| WEL (Great Britain) | Long-term value: 1920 mg/m ³ , 1000 ppm |
|---------------------|--|

Regulatory information WEL (Great Britain): EH40/2011

DNELs

123-86-4 n-butyl acetate

| | | |
|------------|------|---|
| Dermal | DNEL | 7 mg/kg bw/day (long-term - systemic effects, workers) |
| Inhalative | DNEL | 960 mg/m ³ (acute - systemic effects, workers) |
| | | 960 mg/m ³ (acute - local effects, workers) |
| | | 480 mg/m ³ (long-term - systemic effects, workers) |
| | | 480 mg/m ³ (long-term - local effects, workers) |

71-36-3 butan-1-ol

| | | |
|------------|------|--|
| Inhalative | DNEL | 310 mg/m ³ (long-term - local effects, workers) |
|------------|------|--|

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

| | | |
|------------|------|--|
| Dermal | DNEL | 11.8 mg/kg bw/day (long-term - systemic effects, workers) |
| Inhalative | DNEL | 208 mg/m ³ (acute - systemic effects, workers) |
| | | 208 mg/m ³ (acute - local effects, workers) |
| | | 83 mg/m ³ (long-term - systemic effects, workers) |

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| | | |
|--|------|--|
| | | 83 mg/m ³ (long-term - local effects, workers) |
| 78-93-3 butanone | | |
| Dermal | DNEL | 1161 mg/kg bw/day (long-term - systemic effects, workers) |
| Inhalative | DNEL | 600 mg/m ³ (long-term - systemic effects, workers) |
| 123-42-2 4-hydroxy-4-methylpentan-2-one | | |
| Dermal | DNEL | 9.4 mg/kg bw/day (long-term - systemic effects, workers) |
| Inhalative | DNEL | 240 mg/m ³ (acute - local effects, workers) |
| | | 66.4 mg/m ³ (long-term - systemic effects, workers) |
| | | 66.4 mg/m ³ (long-term - local effects, workers) |
| PNECs | | |
| 123-86-4 n-butyl acetate | | |
| PNEC | | 0.18 mg/l (freshwater environment) |
| | | 0.018 mg/l (marine environment) |
| | | 0.36 mg/l (intermittent releases) |
| | | 35.6 mg/l (sewage treatment plants) |
| PNEC | | 0.981 mg/kg (freshwater sediment environment) |
| 71-36-3 butan-1-ol | | |
| PNEC | | 0.082 mg/l (freshwater environment) |
| | | 0.0082 mg/l (marine environment) |
| | | 2.25 mg/l (intermittent releases) |
| | | 2476 mg/l (sewage treatment plants) |
| PNEC | | 0.0178 mg/kg (marine environment) |
| | | 0.178 mg/kg (freshwater sediment environment) |
| | | 0.015 mg/kg (soil) |
| 108-10-1 4-methylpentan-2-one | | |
| PNEC | | 0.6 mg/l (freshwater environment) |
| | | 0.06 mg/l (marine environment) |
| | | 1.5 mg/l (intermittent releases) |
| | | 27.5 mg/l (sewage treatment plants) |
| PNEC | | 8.27 mg/kg (freshwater sediment environment) |
| | | 0.83 mg/kg (marine sediment environment) |
| 78-93-3 butanone | | |
| PNEC | | 55.8 mg/l (freshwater environment) |
| | | 55.8 mg/l (marine environment) |
| | | 55.8 mg/l (intermittent releases) |
| | | 709 mg/l (sewage treatment plants) |
| PNEC | | 284.74 mg/kg (freshwater sediment environment) |
| | | 284.7 mg/kg (marine sediment environment) |
| | | 22.5 mg/kg (soil) |
| 123-42-2 4-hydroxy-4-methylpentan-2-one | | |
| PNEC | | 2 mg/l (freshwater environment) |
| | | 0.2 mg/l (marine environment) |
| | | 1 mg/l (intermittent releases) |
| | | 82 mg/l (sewage treatment plants) |
| PNEC | | 9.06 mg/kg (freshwater sediment environment) |
| | | 0.91 mg/kg (marine sediment environment) |

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| | |
|--|--|
| | 0.63 mg/kg (soil) |
| Ingredients with biological limit values: | |
| reaction mass of ethylbenzene and m-xylene and p-xylene | |
| BMGV (Great Britain) | 650 mmol/mol creatinine Medium: urine Sampling time: post shift Parameter: methyl hippuric acid |
| 108-10-1 4-methylpentan-2-one | |
| BMGV (Great Britain) | 20 µmol/L Medium: urine Sampling time: post shift Parameter: 4-methylpentan-2-one |
| 78-93-3 butanone | |
| BMGV (Great Britain) | 70 µmol/L Medium: urine Sampling time: post shift Parameter: butan-2-one |

Regulatory information BMGV (Great Britain): EH40/2011

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

8.2 Exposure controls

Personal protective equipment:

General protective and hygienic measures:

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

Keep ignition sources away - Do not smoke.

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.

Do not eat or drink while working.

Use skin protection cream for skin protection.

Respiratory protection:

Use suitable respiratory protective device in case of insufficient ventilation.

Filter A/P2

Protection of hands:



Protective gloves

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

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 (EN 374).

Material of gloves

Recommended thickness of the material: $\geq 0,7$ 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.

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Eye protection:



Tightly sealed goggles

Body protection: Protective work clothing

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 applicable.

Change in condition

| | |
|------------------------------|---------------|
| Melting point/Melting range: | Undetermined. |
| Boiling point/Boiling range: | Undetermined. |

Flash point: 12 °C

Flammability (solid, gaseous): Not applicable.

Decomposition temperature: Not determined.

Auto-ignition temperature: Not determined.

Danger of explosion: 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: 1.67-1.69 g/cm³

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.

10.3 Possibility of hazardous reactions

Reacts with alkali, amines and strong acids.

Reacts with oxidising agents.

Fumes can combine with air to form an explosive mixture.

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Trade name: 1K NC MULTI PUTTY

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10.4 Conditions to avoid Protect from heat and direct sunlight.

10.5 Incompatible materials: No further relevant information available.

10.6 Hazardous decomposition products:

Carbon monoxide and carbon dioxide

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) |
| Dermal | LD50 | 10760 mg/kg (rat) |
| | | >14000 mg/kg (rabbit) |
| Inhalative | LC50/4 h | 23.4 mg/l (rat) |
| reaction mass of ethylbenzene and m-xylene and p-xylene | | |
| Oral | ATE | >2000 mg/kg |
| Dermal | ATE | 1466.67 mg/kg |
| Inhalative | ATE | 12.09 mg/l |
| 71-36-3 butan-1-ol | | |
| Oral | LD50 | 790 mg/kg (rat) |
| Dermal | LD50 | 3400 mg/kg (rabbit) |
| Inhalative | LC50/4 h | 8000 mg/l (rat) |
| 108-10-1 4-methylpentan-2-one | | |
| Oral | LD50 | 2080 mg/kg (rat) |
| Dermal | LD50 | 16000 mg/kg (rab) |
| Inhalative | LC50/4 h | 10-20 mg/l (rat) |
| 78-93-3 butanone | | |
| Oral | LD50 | >2000 mg/kg (rat) |
| Dermal | LD50 | >2000 mg/kg (rabbit) |
| 123-42-2 4-hydroxy-4-methylpentan-2-one | | |
| Oral | LD50 | 4000 mg/kg (rat) |
| Dermal | LD50 | 13630 mg/kg (rab) |
| | | 13750 mg/kg (rabbit) |
| 64-17-5 ethanol | | |
| Oral | LD50 | 7060 mg/kg (rat) |
| Inhalative | LC50/4 h | 20000 mg/l (rat) |
| 96-29-7 2-butanone oxime | | |
| Oral | LD50 | 3700 mg/kg (rat) |
| Dermal | LD50 | 200-2000 mg/kg (rat) |
| Inhalative | LC50/4 h | 20 mg/l (rat) |

Primary irritant effect:

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

Serious eye damage/irritation

Causes serious eye damage.

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.

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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 | |
| LC50/96 h | 18 mg/l (<i>Pimephales promelas</i>) |
| TT/16 h | 115 mg/l (<i>Pseudomonas putida</i>) |
| EC50/48 h | 44 mg/l (<i>daphnia</i>) |
| EC50/72 h | 675 mg/l (<i>algae</i>) |
| 71-36-3 butan-1-ol | |
| LC50/96 h | 1376 mg/l (<i>Pimephales promelas</i>) |
| EC50/48 h | 1328 mg/l (<i>Daphnia magna</i>) |
| EC50/72 h | >500 mg/l (<i>Desmodesmus subspicatus</i>) |
| EC3/16 h | 4390 mg/l (<i>Pseudomonas putida</i>) |
| 78-93-3 butanone | |
| EC50/7 d | >100 mg/l (<i>Desmodesmus subspicatus</i>) |
| EC50/48 h | >100 mg/l (<i>Leuciscus idus melanotus</i>) |
| | >100 mg/l (<i>Daphnia magna</i>) |
| 123-42-2 4-hydroxy-4-methylpentan-2-one | |
| LC50/96 h | >100 mg/l (<i>fish</i>) |
| TGK/16 h | 825 mg/l (<i>Pseudomonas putida</i>) |
| EC50/48 h | >1000 mg/l (<i>Daphnia magna</i>) |
| EC50/72 h | >1000 mg/l (<i>Pseudokirchnerella subcapitata</i>) |
| 12.2 Persistence and degradability | |
| 123-86-4 n-butyl acetate | |
| Biodegradation | 83 % (readily biodegradable) (OECD 301 D, 28 d, aerobic) |
| 71-36-3 butan-1-ol | |
| Biodegradation | 92 % (readily biodegradable) |
| 78-93-3 butanone | |
| Biodegradation | (readily biodegradable) |
| 123-42-2 4-hydroxy-4-methylpentan-2-one | |
| Biodegradation | 98.51 % (readily biodegradable) (OECD 301A, 28d) |
| 12.3 Bioaccumulative potential | |
| 123-86-4 n-butyl acetate | |
| BCF | 15.3 (-) |
| log Pow | 2.3 |
| 71-36-3 butan-1-ol | |
| BCF | 3.16 |
| 78-93-3 butanone | |
| log Pow | 0.3 |

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| | |
|--|--------|
| 123-42-2 4-hydroxy-4-methylpentan-2-one | |
| log Pow | -0.098 |
| 12.4 Mobility in soil | |
| 123-86-4 n-butyl acetate | |
| log Koc | 1.27 |
| 71-36-3 butan-1-ol | |
| log Koc | 0.388 |
| 123-42-2 4-hydroxy-4-methylpentan-2-one | |
| log Koc | 0.52 |

Additional ecological information:

General notes:

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
Must not reach sewage water or drainage ditch undiluted or unneutralised.

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.


European waste catalogue

08 01 11* | waste paint and varnish containing organic solvents or other hazardous substances

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 IMDG, IATA | 1263 PAINT PAINT |
| 14.3 Transport hazard class(es) ADR, IMDG, IATA |  Class 3 Label 3 |
| 14.4 Packing group ADR, IMDG, IATA | II |
| 14.6 Special precautions for user Danger code (Kemler): EMS Number: | Warning: Flammable liquids. 33 F-E,S-E |

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| | |
|--|----------------------|
| Stowage Category | A |
| 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 |
| Transport category | 2 |
| Tunnel restriction code | D/E |
| IMDG | |
| Limited quantities (LQ) | 5L |
| UN "Model Regulation": | UN 1263 PAINT, 3, II |

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

Qualifying quantity (tonnes) for the application of lower-tier requirements 5,000 t

Qualifying quantity (tonnes) for the application of upper-tier requirements 50,000 t

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.

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.

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

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Trade name: 1K NC MULTI PUTTY

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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: Sensitisation - Skin. Hazard Category 1

Carc. 2: Carcinogenicity. Hazard Category 2

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

Sources European Chemicals Agency, <http://echa.europa.eu/>
