

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

Printing date 15.09.2020

V- 3.0

Revision: 09.09.2020

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

1.1 Product identifier

Trade name: *FILL BLACK PUTTY*

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:

Chemical Alliance Polska Sp. z o.o.

ul. Prosta 23, Łozienica

72-100 Goleniów

Tel. +48 91 41 65 440

info@cap.pl

Further information obtainable from: sds@cap.pl

1.4 Emergency telephone number: +48 91 41 65 440 (8:00-16:00)

* SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008



GHS02

Flam. Liq. 3 H226 Flammable liquid and vapour.



GHS08

Repr. 2 H361d Suspected of damaging the unborn child.

STOT RE 1 H372 Causes damage to the hearing organs through prolonged or repeated exposure.



GHS07

Skin Irrit. 2 H315 Causes skin irritation.

Eye Irrit. 2 H319 Causes serious eye irritation.

Skin Sens. 1 H317 May cause an allergic skin reaction.

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



GHS08

Signal word Danger

Hazard-determining components of labelling:

styrene

maleic anhydride

2,2'-(m-tolylimino)diethanol

Hazard statements

H226 Flammable liquid and vapour.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

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H317 May cause an allergic skin reaction.

H361d Suspected of damaging the unborn child.

H372 Causes damage to the hearing organs through prolonged or repeated exposure.

Precautionary statements

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

P260 Do not breathe mist/vapours/spray.

P271 Use only outdoors or in a well-ventilated area.

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

P333+P313 If skin irritation or rash occurs: Get medical advice/attention.

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

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: 100-42-5 EINECS: 202-851-5 Reg.nr.: 01-2119457861-32 | styrene Flam. Liq. 3, H226; Repr. 2, H361d; STOT RE 1, H372; Asp. Tox. 1, H304; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3, H335; Aquatic Chronic 3, H412 | 10-<20% |
| CAS: 108-65-6 EINECS: 203-603-9 Reg.nr.: 01-2119475791-29 | 2-methoxy-1-methylethyl acetate Flam. Liq. 3, H226; STOT SE 3, H336 | 0.1-<1% |
| CAS: 91-99-6 EINECS: 202-114-8 Reg.nr.: 01-2120791683-42 | 2,2'-(m-tolylimino)diethanol STOT RE 2, H373; Eye Dam. 1, H318; Acute Tox. 4, H302; Skin Irrit. 2, H315; Skin Sens. 1B, H317 | 0.1-<1% |
| CAS: 123-86-4 EINECS: 204-658-1 Reg.nr.: 01-2119485493-29 | n-butyl acetate Flam. Liq. 3, H226; STOT SE 3, H336 | 0.1-<1% |
| CAS: 2687-91-4 EINECS: 220-250-6 Reg.nr.: 01-2119472138-36 | N-Ethyl-2-Pyrrolidone Repr. 1B, H360D; Eye Dam. 1, H318 | 0.1-<0.3% |
| CAS: 141-78-6 EINECS: 205-500-4 Reg.nr.: 01-2119475103-46 | ethyl acetate Flam. Liq. 2, H225; Eye Irrit. 2, H319; STOT SE 3, H336 | 0.1-<1% |
| CAS: 108-31-6 EINECS: 203-571-6 Reg.nr.: 01-2119472428-31 | maleic anhydride Resp. Sens. 1, H334; STOT RE 1, H372; Skin Corr. 1B, H314; Eye Dam. 1, H318; Acute Tox. 4, H302; Skin Sens. 1A, H317 Specific concentration limit: Skin Sens. 1A; H317: C ≥ 0.001 % | 0.001-0.1% |

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:

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

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.

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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.

If skin irritation continues, consult a doctor.

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****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.

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**

Mount respiratory protective device.

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 ventilation/exhaustion at the workplace.

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

Do not inhale gases / fumes / aerosols.

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.

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Information about fire - and explosion protection:

Keep ignition sources away - Do not smoke.

Keep respiratory protective device available.

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 only in the original receptacle.

Information about storage in one common storage facility:

Store away from foodstuffs.

Store away from oxidising agents.

Further information about storage conditions:

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: | |
|--|--|
| 100-42-5 styrene | |
| WEL (Great Britain) | Short-term value: 1080 mg/m ³ , 250 ppm Long-term value: 430 mg/m ³ , 100 ppm |
| 108-65-6 2-methoxy-1-methylethyl acetate | |
| WEL (Great Britain) | Short-term value: 548 mg/m ³ , 100 ppm Long-term value: 274 mg/m ³ , 50 ppm Sk |
| IOELV (EU) | Short-term value: 550 mg/m ³ , 100 ppm Long-term value: 275 mg/m ³ , 50 ppm Skin |
| 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 |
| IOELV (EU) | Short-term value: 723 mg/m ³ , 150 ppm Long-term value: 241 mg/m ³ , 50 ppm |
| 141-78-6 ethyl acetate | |
| WEL (Great Britain) | Short-term value: 1468 mg/m ³ , 400 ppm Long-term value: 734 mg/m ³ , 200 ppm |
| IOELV (EU) | Short-term value: 1468 mg/m ³ , 400 ppm Long-term value: 734 mg/m ³ , 200 ppm |
| 108-31-6 maleic anhydride | |
| WEL (Great Britain) | Short-term value: 3 mg/m ³ Long-term value: 1 mg/m ³ Sen |

Regulatory information

WEL (Great Britain): EH40/2020

IOELV (EU): (EU) 2019/1831

| DNELs | |
|-------------------------|--|
| 100-42-5 styrene | |
| Dermal | DNEL 406 mg/kg bw/day (long-term - systemic effects, workers) |
| Inhalative | DNEL 289 mg/m ³ (acute - systemic effects, workers) |

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| | | |
|--|---|--|
| | | 306 mg/m3 (acute - local effects, workers) 85 mg/m3 (long-term - systemic effects, workers) |
| 108-65-6 2-methoxy-1-methylethyl acetate | | |
| Dermal | DNEL | 153.5 mg/kg bw/day (long-term - systemic effects, workers) |
| Inhalative | DNEL | 275 mg/m3 (long-term - systemic effects, workers) |
| 123-86-4 n-butyl acetate | | |
| Dermal | DNEL | 7 mg/kg bw/day (long-term - systemic effects, workers) |
| Inhalative | DNEL | 960 mg/m3 (acute - systemic effects, workers) |
| | | 960 mg/m3 (acute - local effects, workers) |
| | | 480 mg/m3 (long-term - systemic effects, workers) |
| | | 480 mg/m3 (long-term - local effects, workers) |
| 141-78-6 ethyl acetate | | |
| Dermal | DNEL | 63 mg/kg bw/day (long-term - systemic effects, workers) |
| Inhalative | DNEL | 1,468 mg/m3 (acute - systemic effects, workers) |
| | | 1,468 mg/m3 (acute - local effects, workers) |
| | | 734 mg/m3 (long-term - systemic effects, workers) |
| | | 734 mg/m3 (long-term - local effects, workers) |
| PNECs | | |
| 100-42-5 styrene | | |
| PNEC | 0.028 mg/l (freshwater environment) | |
| | 0.0028 mg/l (marine environment) | |
| | 0.04 mg/l (intermittent releases) | |
| | 5 mg/l (sewage treatment plants) | |
| PNEC | 0.614 mg/kg (freshwater sediment environment) | |
| | 0.0614 mg/kg (marine sediment environment) | |
| | 0.2 mg/kg (soil) | |
| 108-65-6 2-methoxy-1-methylethyl acetate | | |
| PNEC | 0.635 mg/l (freshwater environment) | |
| | 0.0635 mg/l (marine environment) | |
| | 6.35 mg/l (intermittent releases) | |
| | 100 mg/l (sewage treatment plants) | |
| PNEC | 3.29 mg/kg (freshwater sediment environment) | |
| | 0.329 mg/kg (marine sediment environment) | |
| 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) | |
| 141-78-6 ethyl acetate | | |
| PNEC | 0.24 mg/l (freshwater environment) | |
| | 0.024 mg/l (marine environment) | |
| | 1.65 mg/l (intermittent releases) | |
| | 650 mg/l (sewage treatment plants) | |
| PNEC | 1.15 mg/kg (freshwater sediment environment) | |
| | 0.115 mg/kg (marine sediment environment) | |

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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 ventilation/exhaustion at the workplace.

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.

Store protective clothing separately.

Do not inhale gases / fumes / aerosols.

Avoid contact with the eyes and skin.

Do not eat or drink while working.

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.

Filter A2/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

Fluorocarbon rubber (Viton)

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.

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: | Pasty |
| Colour: | Black |
| Odour: | Characteristic |
| Odour threshold: | Not determined. |

pH-value: Not applicable.

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| | |
|---|---|
| Change in condition | |
| Melting point/freezing point: | Undetermined. |
| Initial boiling point and boiling range: | 145 °C |
| Flash point: | 31 °C |
| Flammability (solid, gas): | Not applicable. |
| Decomposition temperature: | Not determined. |
| Auto-ignition temperature: | Not determined. |
| Explosive properties: | Product is not explosive. However, formation of explosive air/vapour mixtures are possible. |
| Explosion limits: | |
| Lower: | Not determined. |
| Upper: | 6.1 Vol % |
| Vapour pressure at 20 °C: | 6.7 hPa |
| Density: | 1.90-1.91 g/cm ³ |
| 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

Exothermic polymerisation.

Reacts with peroxides and other radical forming substances.

Fumes can combine with air to form an explosive mixture.

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: 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:

100-42-5 styrene

| | | |
|------------|----------|--------------------|
| Oral | LD50 | 5,000 mg/kg (rat) |
| Dermal | LD50 | >2,000 mg/kg (rat) |
| Inhalative | LC50/4 h | 11.8 mg/l (rat) |

108-65-6 2-methoxy-1-methylethyl acetate

| | | |
|--------|------|-----------------------|
| Oral | LD50 | >5,000 mg/kg (rat) |
| Dermal | LD50 | >5,000 mg/kg (rabbit) |

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| | | |
|---|----------|------------------------|
| Inhalative | LC50/6 h | 4,345 mg/l (rat) |
| 91-99-6 2,2'-(m-tolylimino)diethanol | | |
| Oral | LD50 | 500 mg/kg (ATE) |
| 123-86-4 n-butyl acetate | | |
| Oral | LD50 | 10,760 mg/kg (rat) |
| Dermal | LD50 | >14,000 mg/kg (rabbit) |
| Inhalative | LC50/4 h | 23.4 mg/l (rat) |
| 141-78-6 ethyl acetate | | |
| Oral | LD50 | 6,100 mg/kg (rat) |
| Dermal | LD50 | >20,000 mg/kg (rabbit) |
| Inhalative | LC50/6 h | 58 mg/l (rat) |
| 108-31-6 maleic anhydride | | |
| Oral | LD50 | 1,090 mg/kg (rat) |
| Dermal | LD50 | 2,620 mg/kg (rabbit) |

Primary irritant effect:
Skin corrosion/irritation

Causes skin irritation.

Serious eye damage/irritation

Causes serious eye irritation.

Respiratory or skin sensitisation

May cause an allergic skin reaction.

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

Suspected of damaging the unborn child.

STOT-single exposure Based on available data, the classification criteria are not met.

STOT-repeated exposure

Causes damage to the hearing organs through prolonged or repeated exposure.

Aspiration hazard Based on available data, the classification criteria are not met.

* SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity:
100-42-5 styrene

| | |
|-----------|---|
| LC50/96 h | 4.02 mg/l (Pimephales promelas) |
| EC50/48 h | 4.7 mg/l (Daphnia magna) |
| EC50/72 h | 4.9 mg/l (Pseudokirchnerella subcapitata) |

108-65-6 2-methoxy-1-methylethyl acetate

| | |
|-------------|--|
| LC50/96 h | >100 mg/l (fish) |
| EC50/48 h | >500 mg/l (Daphnia magna) |
| EC20/30 min | >1,000 mg/l (microorganisms) |
| EC50/72 h | >1,000 mg/l (Pseudokirchnerella subcapitata) |
| EC50 | >100 mg/l (Pseudokirchnerella subcapitata) |
| | >100 mg/l (Pimephales promelas) |
| | >100 mg/l (Daphnia magna) |

91-99-6 2,2'-(m-tolylimino)diethanol

| | |
|-----------|--------------------------|
| EC50/48 h | 107 mg/l (Daphnia magna) |
|-----------|--------------------------|

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| | |
|---|--|
| EC50/72 h | >100 mg/l (<i>Pseudokirchnerella subcapitata</i>) |
| LC50/48 h | >102 mg/l (fish) |
| 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 (daphnia) |
| EC50/72 h | 675 mg/l (algae) |
| 141-78-6 ethyl acetate | |
| LC50/96 h | 230 mg/l (<i>Pimephales promelas</i>) |
| EC50/48 h | 165 mg/l (<i>Daphnia cucullata</i>) |
| EC50/72 h | >900 mg/l (<i>Scenedesmus subspicatus</i>) |
| EC3/16 h | 650 mg/l (<i>Pseudomonas putida</i>) |
| 12.2 Persistence and degradability | |
| 100-42-5 styrene | |
| Biodegradation | 70.9 % (readily biodegradable) (ISO 9408, 28 d, aerobic) |
| 108-65-6 2-methoxy-1-methylethyl acetate | |
| Biodegradation | 100 % (readily biodegradable) (OECD 302 B, 8 d, aerobic) |
| 123-86-4 n-butyl acetate | |
| Biodegradation | 83 % (readily biodegradable) (OECD 301 D, 28 d, aerobic) |
| 141-78-6 ethyl acetate | |
| Biodegradation | 93.9 % (readily biodegradable) (OECD 301 B, aerobic) |
| 12.3 Bioaccumulative potential | |
| 100-42-5 styrene | |
| BCF | 74 (-) |
| log Pow | 2.96 |
| 108-65-6 2-methoxy-1-methylethyl acetate | |
| log Pow | 0.56 |
| 91-99-6 2,2'-(m-tolylimino)diethanol | |
| log Kow | 1.9 |
| 123-86-4 n-butyl acetate | |
| BCF | 15.3 (-) |
| log Pow | 2.3 |
| 141-78-6 ethyl acetate | |
| BCF | 30 (-) |
| log Pow | 0.66 |
| 12.4 Mobility in soil | |
| 100-42-5 styrene | |
| log Koc | 2.55 |
| Koc | 352 |
| 108-65-6 2-methoxy-1-methylethyl acetate | |
| Koc | 1.7 |
| 123-86-4 n-butyl acetate | |
| log Koc | 1.27 |

Additional ecological information:
General notes:

Do not allow product to reach ground water, water course or sewage system.

Danger to drinking water if even small quantities leak into the ground.

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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 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

UN1866

14.2 UN proper shipping name

ADR

1866 RESIN SOLUTION

IMDG, IATA

RESIN SOLUTION

14.3 Transport hazard class(es)

ADR, IMDG, IATA

Class

3

Label

3

14.4 Packing group

ADR, IMDG, IATA

III

14.5 Environmental hazards:

Not applicable.

14.6 Special precautions for user

Warning: Flammable liquids.

Hazard identification number (Kemler code):

30

EMS Number:

F-E,S-E

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

3

Tunnel restriction code

D/E

Remarks:

ADR 2.2.3.1.5

IMDG
Limited quantities (LQ)

5L

Remarks:

IMDG 2.3.2.5

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UN "Model Regulation":

UN 1866 RESIN SOLUTION, 3, III

* 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

DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II

None of the ingredients is listed.

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

H225 Highly flammable liquid and vapour.

H226 Flammable liquid and vapour.

H302 Harmful if swallowed.

H304 May be fatal if swallowed and enters airways.

H314 Causes severe skin burns and eye damage.

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.

H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.

H335 May cause respiratory irritation.

H336 May cause drowsiness or dizziness.

H360D May damage the unborn child.

H361d Suspected of damaging the unborn child.

H372 Causes damage to organs through prolonged or repeated exposure.

H373 May cause damage to organs through prolonged or repeated exposure.

H412 Harmful to aquatic life with long lasting effects.

Classification according to Regulation (EC) No 1272/2008

Flammable liquids

Bridging principles

Skin corrosion/irritation

Serious eye damage/eye irritation

Skin sensitisation

Reproductive toxicity

Specific target organ toxicity (repeated exposure)

The classification of the mixture is generally based on the calculation method using substance data according to Regulation (EC) No 1272/2008.

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)

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

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Trade name: FILL BLACK PUTTY

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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
Flam. Liq. 2: Flammable liquids – Category 2
Flam. Liq. 3: Flammable liquids – Category 3
Acute Tox. 4: Acute toxicity - inhalation – Category 4
Skin Corr. 1B: Skin corrosion/irritation – Category 1B
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
Resp. Sens. 1: Sensitisation - Respiratory. Hazard category 1
Skin Sens. 1: Sensitisation - Skin. Hazard Category 1
Skin Sens. 1A: Sensitisation - Skin. Hazard Category 1A
Skin Sens. 1B: Sensitisation - Skin. Hazard Category 1B
Repr. 1B: Reproductive toxicity. Hazard Category 1B
Repr. 2: Reproductive toxicity. Hazard Category 2
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
STOT RE 1: Specific target organ toxicity (repeated exposure) – Category 1
STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2
Asp. Tox. 1: Aspiration hazard – Category 1
Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3
Sources European Chemicals Agency, <http://echa.europa.eu/>

*** Data compared to the previous version altered.**