

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

Printing date 26.05.2020

V- 2.0

Revision: 22.05.2020

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

1.1 Product identifier

Trade name: MULTI PUTTY NST

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.



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

Signal word Warning

Hazard-determining components of labelling:

maleic anhydride

N,N'-ethane-1,2-diylbis(12-hydroxyoctadecan-1-amide)

Hazard statements

H226 Flammable liquid and vapour.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H317 May cause an allergic skin reaction.

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.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

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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: 25013-15-4 EINECS: 246-562-2 Reg.nr.: 01-2119622074-50 01-2120106403-73	vinyltoluene Flam. Liq. 3, H226; Asp. Tox. 1, H304; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319	10-15%
CAS: 123-26-2 EINECS: 204-613-6 Reg.nr.: 01-2119978265-26	N,N'-ethane-1,2-diylbis(12-hydroxyoctadecan-1-amide) Skin Sens. 1B, H317; Aquatic Chronic 3, H412	0.1-<1%
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:

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.

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

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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***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 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.*

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8.1 Control parameters

Ingredients with limit values that require monitoring at the workplace:

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
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Regulatory information

WEL (Great Britain): EH40/2020

IOELV (EU): (EU) 2019/1831

DNELs

123-26-2 N,N'-ethane-1,2-diylbis(12-hydroxyoctadecan-1-amide)

Inhalative	DNEL	3.35 mg/m ³ (long-term - local effects, workers)
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141-78-6 ethyl acetate

Dermal	DNEL	63 mg/kg bw/day (long-term - systemic effects, workers)
Inhalative	DNEL	1,468 mg/m ³ (acute - systemic effects, workers) 1,468 mg/m ³ (acute - local effects, workers) 734 mg/m ³ (long-term - systemic effects, workers) 734 mg/m ³ (long-term - local effects, workers)

PNECs

123-26-2 N,N'-ethane-1,2-diylbis(12-hydroxyoctadecan-1-amide)

PNEC	100 µg/l (sewage treatment plants)
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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)

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.

Respiratory protection:

Filter A2/P2

Use suitable respiratory protective device in case of insufficient ventilation.

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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

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.

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:	Fluid
Colour:	Light green
Odour:	Characteristic
Odour threshold:	Not determined.

pH-value: Not applicable.

Change in condition

Melting point/freezing point:	Undetermined.
Initial boiling point and boiling range:	168 °C

Flash point: 51 °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:	Not determined.

Vapour pressure: Not determined.

Density at 20 °C: 1.75-1.77 g/cm³

Vapour density: Not determined.

Evaporation rate: Not determined.

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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 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:

25013-15-4 vinyltoluene

Oral LD50 3.68 mL/kg bw (rat)

Dermal LD50 5 mL/kg bw (rab)

Inhalative LC50/4 h 16,891 mg/l (rat)

123-26-2 N,N'-ethane-1,2-diylbis(12-hydroxyoctadecan-1-amide)

Oral LD50 >2,000 mg/kg (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 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.

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* SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity:

25013-15-4 vinyltoluene

LC50/96 h	5.2 mg/l (fish)
EC50/3 h	592 mg/l (microorganisms)
ErL50/72 h	0.319 mg/l (algae)
NOEC/21 d	0.32 mg/L (Daphnia magna)
NOEC/30 d	1.16 mg/L (fish)
NOEC96 h	2.6 mg/L (fish)

123-26-2 N,N'-ethane-1,2-diylbis(12-hydroxyoctadecan-1-amide)

EC50/72 h	100 mg/l (algae)
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141-78-6 ethyl acetate

LC50/96 h	230 mg/l (Pimephales promelas)
EC50/48 h	165 mg/l (Daphnia cucullata)
EC50/72 h	>900 mg/l (Scenedesmus subspicatus)
EC3/16 h	650 mg/l (Pseudomonas putida)

12.2 Persistence and degradability

141-78-6 ethyl acetate

Biodegradation	93.9 % (readily biodegradable) (OECD 301 B, aerobic)
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12.3 Bioaccumulative potential

25013-15-4 vinyltoluene

log Pow	3.44
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141-78-6 ethyl acetate

BCF	30 (-)
log Pow	0.66

12.4 Mobility in soil

25013-15-4 vinyltoluene

log Koc	2.855-2.985
Koc	966.4

123-26-2 N,N'-ethane-1,2-diylbis(12-hydroxyoctadecan-1-amide)

log Koc	>5.63
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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.

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.

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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 IMDG, IATA		1866 RESIN SOLUTION 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 Hazard identification number (Kemler code): EMS Number: Stowage Category		Warning: Flammable liquids. 30 F-E, <u>S</u> -E 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) Transport category Tunnel restriction code Remarks:		5L 3 D/E ADR 2.2.3.1.5
IMDG Limited quantities (LQ) Remarks:		5L IMDG 2.3.2.5
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

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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

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.

H336 May cause drowsiness or dizziness.

H372 Causes 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	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)

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

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

STOT RE 1: Specific target organ toxicity (repeated exposure) – Category 1

Asp. Tox. 1: Aspiration hazard – Category 1

Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3

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

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

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