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

1.1 Product identifier

100 Plus Paint Sealant

1.2 Relevant identified uses of the substance or mixture and uses advised against

1.2.1 Relevant uses

Paint care

1.2.2 Uses advised against

None known.

1.3 Details of the supplier of the safety data sheet

Company

Supagard Ltd
19-29 Gavinton St.
Muirend, Glasgow, G44 3EF / UK
Phone +44(0)141 633 5933
Fax +44(0)141 637 7219

Address enquiries to

Technical information james.smyth@supagard.com

Safety Data Sheet sdb@chemiebuero.de

1.4 Emergency telephone number

Advisory body +44 844 892 0111 National Poisons Information Service

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Eye Irrit. 2: H319 Causes serious eye irritation.
STOT SE 3: H336 May cause drowsiness or dizziness.
Aquatic Chronic 2: H411 Toxic to aquatic life with long lasting effects.
STOT RE 1: H372 Causes damage to organs (Central nervous system) through prolonged or repeated exposure if inhaled.

2.2 Label elements

Hazard pictograms

Signal word DANGER

Contains: Low boiling point hydrogen treated naphtha

Hazard statements

H319 Causes serious eye irritation.
H336 May cause drowsiness or dizziness.
H411 Toxic to aquatic life with long lasting effects.
H372 Causes damage to organs (Central nervous system) through prolonged or repeated exposure if inhaled.

Precautionary statements

P260 Do not breathe vapours.
P280 Wear protective gloves / eye protection / face protection.
P271 Use only outdoors or in a well-ventilated area.
P312 Call a POISON CENTER / doctor if you feel unwell.
P273 Avoid release to the environment.
P501 Dispose of contents/container in accordance with local/national regulation.

Special labelling EUH066 Repeated exposure may cause skin dryness or cracking.

2.3 Other hazards

Environmental hazards Does not contain any PBT or vPvB substances.

Other hazards Further hazards were not determined with the current level of knowledge.

SECTION 3: Composition / Information on ingredients

Product-type:

The product is a mixture.

Range [%]	Substance
25 - 30	Low boiling point hydrogen treated naphtha
	CAS: 64742-82-1, EINECS/ELINCS: 265-185-4, EU-INDEX: 649-330-00-2
	GHS/CLP: Flam. Liq. 3: H226 - Asp. Tox. 1: H304 - STOT SE 3: H336 - STOT RE 1: H372 - Aquatic Chronic 2: H411
1 - <10	Distillates (petroleum), hydrotreated light
	CAS: 64742-47-8, EINECS/ELINCS: 265-149-8, EU-INDEX: 649-422-00-2
	GHS/CLP: Asp. Tox. 1: H304
1 - < 5	Morpholinoleate
	CAS: 1095-66-5, EINECS/ELINCS: 214-139-1
	GHS/CLP: Eye Irrit. 2: H319 - Skin Irrit. 2: H315
1 - <3	Poly(dimethyl)[3-((2-aminoethyl)amino)propyl]methylsiloxane
	CAS: 71750-79-3, EINECS/ELINCS: polymer
	GHS/CLP: Skin Irrit. 2: H315 - Eye Dam. 1: H318
1 - < 2,5	Solvent naphtha (petroleum), light aliph.
	CAS: 64742-89-8, EINECS/ELINCS: 265-192-2, EU-INDEX: 649-267-00-0
	GHS/CLP: Flam. Liq. 2: H225 - Skin Irrit. 2: H315 - Aquatic Chronic 2: H411 - Asp. Tox. 1: H304 - STOT SE 3: H336
0,1 - <1	Amines, Tallow Alkyl
	CAS: 61790-33-8, EINECS/ELINCS: 263-125-1, EU-INDEX: 612-286-00-X
	GHS/CLP: Acute Tox. 4: H302 - Asp. Tox. 1: H304 - Skin Corr. 1B: H314 - STOT RE 2: H373 - Aquatic Acute 1: H400 - Aquatic Chronic 1: H410, M = 10
<1	Dimethyl siloxane, HO-term Rxn methyltrimethoxysilane & aminoethylaminopropyltrimethoxysilane
	CAS: 69430-37-1
	GHS/CLP: Flam. Liq. 2: H225 - Eye Irrit. 2: H319 - Skin Irrit. 2: H315 - Aquatic Chronic 1: H410 - Aquatic Acute 1: H400, M = 1

Comment on component parts Substances of Very High Concern - SVHC: substances are not contained or are below 0.1%.
For full text of H-statements: see SECTION 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

General information Take off contaminated clothing and wash before reuse.

Inhalation Remove person to fresh air and keep comfortable for breathing.
In the event of symptoms seek medical treatment.

Skin contact When in contact with the skin, clean with soap and water.
Consult a doctor if skin irritation persists.

Eye contact Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
If eye irritation persists: Get medical advice/attention.

Ingestion Seek medical advice immediately.
Do not induce vomiting.
Rinse out mouth and give plenty of water to drink.

4.2 Most important symptoms and effects, both acute and delayed

Headache
Vertigo
Drowsiness
Irritant effects

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Fire-fighting measures

5.1 Extinguishing media

Suitable extinguishing media

Carbon dioxide.
Water spray jet.
Dry powder.
Foam.

Extinguishing media that must not be used

Full water jet.

5.2 Special hazards arising from the substance or mixture

Risk of formation of toxic pyrolysis products.

5.3 Advice for firefighters

Use self-contained breathing apparatus.

Fire residues and contaminated firefighting water must be disposed of in accordance within the local regulations.
Cool containers at risk with water spray jet.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Keep away from all sources of ignition.
Use personal protective equipment (protective gloves, safety glasses, protective clothing).

6.2 Environmental precautions

Do not discharge into the drains/surface waters/groundwater.

6.3 Methods and material for containment and cleaning up

Take up mechanically.
Take up residues with absorbent material (e.g. sand).
Dispose of absorbed material in accordance within the regulations.

6.4 Reference to other sections

See SECTION 8+13

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Use only in well-ventilated areas.

Keep away from all sources of ignition.
Vapours can form an explosive mixture with air.

Do not eat, drink, smoke or take drugs at work.
After worktime and before work breaks the affected skin areas must be thoroughly cleaned.
Use barrier skin cream.
Take off contaminated clothing and wash before reuse.

7.2 Conditions for safe storage, including any incompatibilities

Provide solvent-resistant and impermeable floor.
Prevent penetration into the ground.

Do not store together with oxidizing agents.
Do not store together with food and animal food/diet.

Keep container tightly closed.
Keep container in a well-ventilated place.
Protect from heat/overheating.

7.3 Specific end use(s)

See product use, SECTION 1.2

SECTION 8: Exposure controls / personal protection

8.1 Control parameters

Ingredients with occupational exposure limits to be monitored (GB)

Substance
Low boiling point hydrogen treated naphtha
CAS: 64742-82-1, EINECS/ELINCS: 265-185-4, EU-INDEX: 649-330-00-2
Long-term exposure: 500 mg/m³
Distillates (petroleum), hydrotreated light
CAS: 64742-47-8, EINECS/ELINCS: 265-149-8, EU-INDEX: 649-422-00-2
Long-term exposure: 1200 mg/m³
Solvent naphtha (petroleum), light aliph.
CAS: 64742-89-8, EINECS/ELINCS: 265-192-2, EU-INDEX: 649-267-00-0
Long-term exposure: 500 mg/m³

8.2 Exposure controls

Additional advice on system design
Ensure adequate ventilation on workstation.
Measurement methods for taking workplace measurements must meet the performance requirements of DIN EN 482. For example, recommendations are given in the IFA's list of hazardous substances.

Eye protection
safety glasses (EN 166:2001)

Hand protection
0,4mm Butyl rubber, >120 min (EN 374-1/-2/-3).
The details concerned are recommendations. Please contact the glove supplier for further information.

Skin protection
Protective clothing.

Other
Avoid contact with eyes and skin.
Do not inhale vapours.
Personal protective equipment should be selected specifically for the working place, depending on concentration and quantity handled. The resistance of this equipment to chemicals should be ascertained with the respective supplier.

Respiratory protection
Respiratory protection mask in the event of high concentrations.
Short term: filter apparatus, combination filter A-P2. (DIN EN 14387)

Thermal hazards
none

Delimitation and monitoring of the environmental exposition
Protect the environment by applying appropriate control measures to prevent or limit emissions.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Form	liquid
Color	opaque
Odor	characteristic
Odour threshold	not required
pH-value	9,6
pH-value [1%]	not determined
Boiling point [°C]	not determined
Flash point [°C]	43 (no independent burn maintains)
Flammability (solid, gas) [°C]	not applicable
Lower explosion limit	not determined
Upper explosion limit	not determined
Oxidising properties	no
Vapour pressure/gas pressure [kPa]	not determined
Density [g/ml]	0,97 (20 °C / 68,0 °F)
Bulk density [kg/m³]	not applicable
Solubility in water	dispersible
Partition coefficient [n-octanol/water]	not determined
Viscosity	420 - 500 mPa.s (20°C)
Relative vapour density determined in air	not determined
Evaporation speed	not determined
Melting point [°C]	not determined
Autoignition temperature [°C]	not self-igniting
Decomposition temperature [°C]	not applicable

9.2 Other information

none

SECTION 10: Stability and reactivity

10.1 Reactivity

No dangerous reactions known if used as directed.

10.2 Chemical stability

The product is stable under standard conditions.

10.3 Possibility of hazardous reactions

Reactions with acids, alkalies and oxidizing agents.
Evolution of flammable mixtures possible in air when heated above flash point and/or during spraying or misting.

10.4 Conditions to avoid

See SECTION 7.2.

10.5 Incompatible materials

Oxidizing agent

10.6 Hazardous decomposition products

No hazardous decomposition products known.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Product
ATE-mix, inhalativ (vapour), > 20 mg/l 4h.
ATE-mix, dermal, > 2000 mg/kg.
ATE-mix, oral, > 2000 mg/kg.

Substance
Distillates (petroleum), hydrotreated light, CAS: 64742-47-8
LD50, dermal, Rabbit: > 2000 mg/kg (IUCLID).
LD50, oral, Rat: > 15000 mg/kg (IUCLID).
LC50, inhalative, Rat: > 5,2 mg/l 4h (IUCLID).
Poly(dimethyl)[3-((2-aminoethyl)amino)propyl]methylsiloxane, CAS: 71750-79-3
LD50, oral, Rat: > 2000 mg/kg.
Solvent naphtha (petroleum), light aliph., CAS: 64742-89-8
LD50, dermal, Rabbit: 3000 mg/kg (IUCLID).
LD50, oral, mouse: 5000 mg/kg (IUCLID).

Serious eye damage/irritation
Irritant
Based on the available information, the classification criteria are fulfilled.
Toxicological data of complete product are not available.
Calculation method

Skin corrosion/irritation
Based on the available information, the classification criteria are not fulfilled.
Toxicological data of complete product are not available.

Respiratory or skin sensitisation
Does not contain a relevant substance that meets the classification criteria.
Based on the available information, the classification criteria are not fulfilled.
Toxicological data of complete product are not available.

Specific target organ toxicity — single exposure
Vapours may cause drowsiness and dizziness.
Based on the available information, the classification criteria are fulfilled.
Toxicological data of complete product are not available.
Calculation method

Specific target organ toxicity — repeated exposure
Causes damage to organs (Central nervous system) through prolonged or repeated exposure if inhaled.
Based on the available information, the classification criteria are fulfilled.
Toxicological data of complete product are not available.
Calculation method

Mutagenicity
Does not contain a relevant substance that meets the classification criteria.
Based on the available information, the classification criteria are not fulfilled.
Toxicological data of complete product are not available.

Reproduction toxicity
Does not contain a relevant substance that meets the classification criteria.
Based on the available information, the classification criteria are not fulfilled.
Toxicological data of complete product are not available.

Carcinogenicity
Does not contain a relevant substance that meets the classification criteria.
Based on the available information, the classification criteria are not fulfilled.
Toxicological data of complete product are not available.

Aspiration hazard
Based on the available information, the classification criteria are not fulfilled.

General remarks

none

SECTION 12: Ecological information

12.1 Toxicity

Substance
Distillates (petroleum), hydrotreated light, CAS: 64742-47-8
LC50, (96h), Pimephales promelas: 45 mg/l (IUCLID).
Solvent naphtha (petroleum), light aliph., CAS: 64742-89-8
EC50, (72h), Selenastrum capricornutum: 4700 mg/l (IUCLID).

12.2 Persistence and degradability

Behaviour in environment compartments	not determined
Behaviour in sewage plant	not determined
Biological degradability	not determined

12.3 Bioaccumulative potential

Accumulation in organisms is not expected.

12.4 Mobility in soil

Spillages may penetrate the soil causing ground water contamination.

12.5 Results of PBT and vPvB assessment

Based on all available information not to be classified as PBT or vPvB respectively.

12.6 Other adverse effects

None known.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Waste material must be disposed of in accordance with the Directive on waste 2008/98/EC as well as other national and local regulations. It is not possible to determine a waste code for this product in accordance with the European Waste Catalogue (EWC) since it is only possible to classify it according to how it is used by the customer. The waste code is to be determined within the EU in liaison with the waste-disposal operator.

Product

Disposal in an incineration plant in accordance with the regulations of the local authorities.
For recycling, consult manufacturer.

Waste no. (recommended) 070704*

Contaminated packaging

Uncontaminated packaging may be taken for recycling.
Packaging that cannot be cleaned should be disposed of as for product.

Waste no. (recommended) 150110*
150102

SECTION 14: Transport information

14.1 UN number

Transport by land according to ADR/RID	3082
Inland navigation (ADN)	3082
Marine transport in accordance with IMDG	3082
Air transport in accordance with IATA	3082

14.2 UN proper shipping name

Transport by land according to ADR/RID	Environmentally hazardous substance, liquid, n.o.s. (Low boiling point hydrogen treated naphtha, Amines, Tallow Alkyl)
- Classification Code	M6
- Label	
- ADR LQ	5 l
- ADR 1.1.3.6 (8.6)	Transport category (tunnel restriction code) 3 (E)
Inland navigation (ADN)	Environmentally hazardous substance, liquid, n.o.s. (Low boiling point hydrogen treated naphtha, Amines, Tallow Alkyl)
- Classification Code	M6
- Label	
Marine transport in accordance with IMDG	Environmentally hazardous substance, liquid, n.o.s. (Low boiling point hydrogen treated naphtha, Amines, Tallow Alkyl)
- EMS	F-A, S-F
- Label	
- IMDG LQ	5 l
Air transport in accordance with IATA	Environmentally hazardous substance, liquid, n.o.s. (Low boiling point hydrogen treated naphtha, Amines, Tallow Alkyl)
- Label	

14.3 Transport hazard class(es)

Transport by land according to ADR/RID	9
Inland navigation (ADN)	9
Marine transport in accordance with IMDG	9
Air transport in accordance with IATA	9

14.4 Packing group

Transport by land according to ADR/RID	III
Inland navigation (ADN)	III
Marine transport in accordance with IMDG	III
Air transport in accordance with IATA	III

14.5 Environmental hazards

Transport by land according to ADR/RID	yes
Inland navigation (ADN)	yes
Marine transport in accordance with IMDG	MARINE POLLUTANT
Air transport in accordance with IATA	yes

14.6 Special precautions for user

Relevant information under SECTION 6 to 8.

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

not applicable

SECTION 15: Regulatory information

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

EEC-REGULATIONS	1991/689 (2001/118); 2010/75; 2004/42; 648/2004; 1907/2006 (REACH); 1272/2008; 75/324/EEC (2008/47/EC); (EU) 2015/830; (EU) 2016/131; (EU) 517/2014
TRANSPORT-REGULATIONS	DOT-Classification, ADR (2017); IMDG-Code (2017, 38. Amdt.); IATA-DGR (2017).
NATIONAL REGULATIONS (GB):	EH40/2005 Workplace exposure limits (Second edition, published December 2011). CHIP 3/ CHIP 4
- Observe employment restrictions for people	Observe employment restrictions for mothers-to-be and nursing mothers. Observe employment restrictions for young people.
- VOC (2010/75/CE)	~ 37 %

15.2 Chemical safety assessment

not applicable

SECTION 16: Other information

16.1 Hazard statements (SECTION 03)

H410 Very toxic to aquatic life with long lasting effects.
H400 Very toxic to aquatic life.
H373 May cause damage to organs through prolonged or repeated exposure.
H314 Causes severe skin burns and eye damage.
H302 Harmful if swallowed.
H225 Highly flammable liquid and vapour.
H318 Causes serious eye damage.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H411 Toxic to aquatic life with long lasting effects.
H372 Causes damage to organs (Central nervous system) through prolonged or repeated exposure if inhaled.
H336 May cause drowsiness or dizziness.
H304 May be fatal if swallowed and enters airways.
H226 Flammable liquid and vapour.

16.2 Abbreviations and acronyms:

ADR = Accord européen relatif au transport international des marchandises Dangereuses par Route
RID = Règlement concernant le transport international ferroviaire de marchandises dangereuses
ADN = Accord européen relatif au transport international des marchandises dangereuses par voie de navigation intérieure
ATE = acute toxicity estimate
CAS = Chemical Abstracts Service
CLP = Classification, Labelling and Packaging
DMEL = Derived Minimum Effect Level
DNEL = Derived No Effect Level
EC50 = Median effective concentration
ECB = European Chemicals Bureau
EEC = European Economic Community
EINECS = European Inventory of Existing Commercial Chemical Substances
ELINCS = European List of Notified Chemical Substances
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
IATA = International Air Transport Association
IBC-Code = International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk
IC50 = Inhibition concentration, 50%
IMDG = International Maritime Code for Dangerous Goods
IUCLID = International Uniform ChemicaL Information Database
LC50 = Lethal concentration, 50%
LD50 = Median lethal dose
LC0 = lethal concentration, 0%
LOAEL = lowest-observed-adverse-effect level
MARPOL = International Convention for the Prevention of Marine Pollution from Ships
NOAEL = No Observed Adverse Effect Level
NOEC = No Observed Effect Concentration
PBT = Persistent, Bioaccumulative and Toxic substance
PNEC = Predicted No-Effect Concentration
REACH = Registration, Evaluation, Authorisation and Restriction of Chemicals
STP = Sewage Treatment Plant
TLV®/TWA = Threshold limit value – time-weighted average
TLV®STEL = Threshold limit value – short-time exposure limit
VOC = Volatile Organic Compounds
vPvB = very Persistent and very Bioaccumulative

16.3 Other information

Classification procedure

Eye Irrit. 2: H319 Causes serious eye irritation. (Calculation method)
STOT SE 3: H336 May cause drowsiness or dizziness. (Calculation method)
Aquatic Chronic 2: H411 Toxic to aquatic life with long lasting effects. (Calculation method)
STOT RE 1: H372 Causes damage to organs (Central nervous system) through prolonged or repeated exposure if inhaled. (Calculation method)

Modified position

SECTION 2 been added: P280 Wear protective gloves / eye protection / face protection.

SECTION 2 deleted: P280 Wear protective gloves / eye protection.

SECTION 2 been added: P501 Dispose of contents/container in accordance with local/national regulation.

SECTION 2 been added: P260 Do not breathe vapours.

SECTION 2 been added: H372 Causes damage to organs (Central nervous system) through prolonged or repeated exposure if inhaled.

SECTION 2 been added: DANGER

SECTION 2 been added: health hazard

SECTION 2 been added: STOT RE 1

SECTION 4 been added: Remove person to fresh air and keep comfortable for breathing.

SECTION 5 been added: Cool containers at risk with water spray jet.

SECTION 8 been added: Protect the environment by applying appropriate control measures to prevent or limit emissions.

SECTION 8 been added: Measurement methods for taking workplace measurements must meet the performance requirements of DIN EN 482. For example, recommendations are given in the IFA's list of hazardous substances.

SECTION 11 been added: Causes damage to organs (Central nervous system) through prolonged or repeated exposure if inhaled.