

Safety data sheet

According to 1907/2006/EC, Article 31 REACH

Printing date 06.11.2017

Version: 5

Revision: 06.11.2017

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

1.1 Product identifier

Trade name: **SCREEN CLEAN NEW**

Article number: 07540001

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

Sector of Use

SU3 Industrial uses: Uses of substances as such or in preparations at industrial sites

SU22 Professional uses: Public domain (administration, education, entertainment, services, craftsmen)

Product category PC35 Washing and cleaning products (including solvent based products)

Process category PROC7 Industrial spraying

Application of the substance / the mixture Window cleaner

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier:

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1.4 Emergency telephone number:

Customer Service

NL: Tel: + 31 164 250 100 Fax: + 31 164 266 710

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UK: Tel: +44 151 422 1000 Fax: +44 151 422 1011

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

Aerosol 1 H222-H229 Extremely flammable aerosol. Pressurised container: May burst if heated.

Eye Irrit. 2 H319 Causes serious eye irritation.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008

The substance is classified and labelled according to the CLP regulation.

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Hazard pictograms



GHS02 GHS07

· **Signal word** Danger

Hazard statements

H222-H229 Extremely flammable aerosol. Pressurised container: May burst if heated.

H319 Causes serious eye irritation.

Precautionary statements

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

P211 Do not spray on an open flame or other ignition source.

P251 Do not pierce or burn, even after use.

P280 Wear 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.

P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

· **2.3 Other hazards** The product does not contain any organic halogen compounds (AOX), nitrates, heavy metal compounds.

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: 67-63-0 EINECS: 200-661-7 Reg.nr.: 01-2119457558-25-xxxx | propan-2-ol | Flam. Liq. 2, H225 Eye Irrit. 2, H319; STOT SE 3, H336 | 10-25% |
| CAS: 74-98-6 EINECS: 200-827-9 Reg.nr.: 012119486944-21-xxxx | propane | Flam. Gas 1, H220 Press. Gas C, H280 | 2.5-5% |
| CAS: 106-97-8 EINECS: 203-448-7 Reg.nr.: 01-2119474691-32-xxxx | butane (< 0.1% butadine) | Flam. Gas 1, H220 Press. Gas C, H280 | 2.5-5% |
| CAS: 75-28-5 EINECS: 200-857-2 Reg.nr.: 01-2119485395-27-xxxx | isobutane (<0.1% butadine) | Flam. Gas 1, H220 Press. Gas C, H280 | 1-2.5% |
| CAS: 107-98-2 EINECS: 203-539-1 Reg.nr.: 01-2119457435-35-xxxx | 1-methoxy-2-propanol | Flam. Liq. 3, H226 Acute Tox. 4, H312; STOT SE 3, H336 | 1-2.5% |
| CAS: 110-91-8 EINECS: 203-815-1 Reg.nr.: 01-2119496057-30 | morpholine | Flam. Liq. 3, H226 Acute Tox. 3, H311; Acute Tox. 3, H331 Skin Corr. 1B, H314 Acute Tox. 4, H302 | 0.1-1% |

· **Ingredients according to Detergents Regulation 648/2004/EC**

For the wording of the listed hazard phrases refer to section 16.

Aliphatic hydrocarbons, ISOPROPYL ALCOHOL

≥5 - <15%

SECTION 4: First aid measures

4.1 Description of first aid measures

· **General information:** Immediately remove any clothing soiled by the product.

· **After inhalation:** Supply fresh air; consult doctor in case of complaints.

· **After skin contact:**

If skin irritation continues, consult a doctor.

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.

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- **After swallowing:** Seek immediate medical advice.
- **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.
- **5.2 Special hazards arising from the substance or mixture** No further relevant information available.
- **5.3 Advice for firefighters**
- **Protective equipment:** No special measures required.
- **Additional information** Cool endangered receptacles with water spray.

SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**
Wear protective equipment. Keep unprotected persons away.
- **6.2 Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **6.3 Methods and material for containment and cleaning up:** Ensure adequate ventilation.
- **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** Keep away from heat and direct sunlight.
- **Information about fire - and explosion protection:**
Do not spray onto a naked flame or any incandescent material.
Keep ignition sources away - Do not smoke.
Pressurised container: protect from sunlight and do not expose to temperatures exceeding 50°C, i.e. electric lights. Do not pierce or burn, even after use.
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:**
Observe official regulations on storing packagings with pressurised containers.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:**
Keep receptacle tightly sealed.
Protect from heat and direct sunlight.
- **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:

67-63-0 propan-2-ol (10-25%)

| | |
|---------------------|--|
| WEL (Great Britain) | Short-term value: 1250 mg/m ³ , 500 ppm Long-term value: 999 mg/m ³ , 400 ppm |
|---------------------|--|

106-97-8 butane (< 0.1% butadine) (2.5-5%)

| | |
|---------------------|---|
| WEL (Great Britain) | Short-term value: 1810 mg/m ³ , 750 ppm Long-term value: 1450 mg/m ³ , 600 ppm Carc (if more than 0.1% of buta-1,3-diene) |
|---------------------|---|

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107-98-2 1-methoxy-2-propanol (1-2.5%)

| | |
|-------------------------------|---|
| <i>WEL (Great Britain)</i> | Short-term value: 560 mg/m ³ , 150 ppm Long-term value: 375 mg/m ³ , 100 ppm Sk |
| <i>IOELV (European Union)</i> | Short-term value: 568 mg/m ³ , 150 ppm Long-term value: 375 mg/m ³ , 100 ppm Skin |

110-91-8 morpholine (0.1-1%)

| | |
|-------------------------------|---|
| <i>WEL (Great Britain)</i> | Short-term value: 72 mg/m ³ , 20 ppm Long-term value: 36 mg/m ³ , 10 ppm Sk |
| <i>IOELV (European Union)</i> | Short-term value: 72 mg/m ³ , 20 ppm Long-term value: 36 mg/m ³ , 10 ppm |

· DNELs**67-63-0 propan-2-ol**

| | | |
|-------------------|---|---|
| <i>Oral</i> | <i>DNEL Long term-systemic</i> | 26 mg/kg human/day (consumer) |
| <i>Dermal</i> | <i>DNEL Long term-systemic</i> | 319 mg/kg human/day (consumer) 888 mg/kg human/day (worker) |
| <i>Inhalative</i> | <i>DNEL Long term-systemic mg/m³</i> | 89 mg/m ³ (consumer) 500 mg/m ³ (worker) |

107-98-2 1-methoxy-2-propanol

| | | |
|-------------------|---|---|
| <i>Oral</i> | <i>DNEL Long term-systemic</i> | 3.3 mg/kg human/day (consumer) |
| <i>Dermal</i> | <i>DNEL Long term-systemic</i> | 18.1 mg/kg human/day (consumer) 50.6 mg/kg human/day (worker) |
| <i>Inhalative</i> | <i>DNEL Long term-systemic mg/m³</i> | 43.9 mg/m ³ (consumer) 369 mg/m ³ (worker) |
| | <i>DNEL Acute-local mg/m³</i> | 553.5 mg/m ³ (worker) |

· PNECs**67-63-0 propan-2-ol**

| | |
|-----------------------------------|------------|
| <i>PNEC Freshwater mg/L</i> | 140.9 mg/L |
| <i>PNEC Marinewater mg/L</i> | 140.9 mg/L |
| <i>PNEC Freshwater sediment</i> | 552 mg/Kg |
| <i>PNEC Marine water sediment</i> | 552 mg/Kg |
| <i>PNEC Intermittent release</i> | 140.9 |
| <i>PNEC Soil</i> | 28 mg/Kg |

107-98-2 1-methoxy-2-propanol

| | |
|---|------------|
| <i>PNEC Freshwater mg/L</i> | 10 mg/L |
| <i>PNEC Freshwater sediment</i> | 41.6 mg/Kg |
| <i>PNEC Marine water sediment</i> | 4.17 mg/Kg |
| <i>PNEC Soil</i> | 2.47 mg/Kg |
| <i>PNEC Sewage treatment Plant mg/L</i> | 100 mg/L |

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

· 8.2 Exposure controls**· Personal protective equipment:****· General protective and hygienic measures:**

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.
Avoid contact with the eyes and skin.

· Respiratory protection: Not required.**· Protection of hands:****· 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.

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· **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. The determined penetration times according to EN 374 part III are not performed under practical conditions. Therefore a maximum wearing time, which corresponds to 50% of the penetration time, is recommended.

· **Not suitable are gloves made of the following materials:** Strong material gloves

· **Eye protection:**



Tightly sealed goggles

SECTION 9: Physical and chemical properties

· **9.1 Information on basic physical and chemical properties**

· **General Information**

· **Appearance:**

| | |
|---------------------------|-----------------|
| · Form: | Aerosol |
| · Colour: | Colourless |
| · Odour: | Characteristic |
| · Odour threshold: | Not determined. |

· **pH-value at 20°C:** 9.6

· **Change in condition**

| | |
|---|-----------------------------|
| · Melting point/freezing point: | Undetermined. |
| · Initial boiling point and boiling range: | Not applicable, as aerosol. |

· **Flash point:** <0°C

· **Flammability (solid, gas):** Not applicable.

· **Ignition temperature:** 425°C

· **Decomposition temperature:** Not determined.

· **Auto-ignition temperature:** Product is not selfigniting.

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

· **Explosion limits:**

| | |
|-----------------|----------|
| · Lower: | 2 Vol % |
| · Upper: | 12 Vol % |

· **Vapour pressure at 20°C:** 42 hPa

| | |
|---------------------------|-------------------------|
| · Density at 20°C: | 0.911 g/cm ³ |
| · Relative density | Not determined. |
| · Vapour density | Not determined. |
| · Evaporation rate | Not applicable. |

· **Solubility in / Miscibility with water:** Insoluble.

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

· **Viscosity:**

| | |
|---------------------|-----------------|
| · Dynamic: | Not determined. |
| · Kinematic: | Not determined. |

· **Solvent content:**

| | |
|----------------------------|-----------|
| · Organic solvents: | 24.2 % |
| · EU-VOC: | 658.8 g/l |
| · EU-VOC | 23.50 % |
| · Swiss VOC: | 23.77 % |

· **Solids content:** 0.1 %

· **9.2 Other information** No further relevant information available.

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SECTION 10: Stability and reactivity

- **10.1 Reactivity** No further relevant information available.
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **10.3 Possibility of hazardous reactions** No dangerous reactions known.
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** No further relevant information available.
- **10.6 Hazardous decomposition products:** No dangerous decomposition products known.

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:

67-63-0 propan-2-ol

| | | |
|------------|--------------|---|
| Oral | LD50 | >5,000 mg/kg (Rat) |
| Dermal | LD50 | 6,290 mg/kg (rab) |
| Inhalative | LC50 / 4 h | 30 mg/ltr (Rat) |
| | LC50/ 8 h | 12,000-19,000 mg/m3 (Rat) |
| | LC50 / 96 h | 9,640 mg/ltr (fish) |
| | | >1,400 mg/ltr (Lepomus gobbosus (Zonnebaars)) |
| | | 6,550 mg/ltr (Pimephales promelas) |
| | EC50 / 24 h | >1,000 mg/ltr (Daphnia magna (water flea)) |
| | EC 50 / 48 h | 10,000 mg/ltr (Pimephales promelas) |

107-98-2 1-methoxy-2-propanol

| | | |
|------------|-----------------------|--|
| Oral | LD50 | 4,016 mg/kg (Rat) |
| Dermal | LD50 | 2,000 mg/kg (Rabbit) |
| Inhalative | LC50 / 4 h | 27,596 mg/ltr (Rat) |
| | LC50 / 96 h (static) | 6,812 mg/ltr (Leuciscus idus) |
| | EC 50 / 48 h (static) | 23,300 mg/ltr (Daphnia magna (water flea)) |

- **Primary irritant effect:**
- **Skin corrosion/irritation** Based on available data, the classification criteria are not met.
- **Serious eye damage/irritation**
Causes serious eye irritation.
- **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.
- **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:** No further relevant information available.
- **12.2 Persistence and degradability** No further relevant information available.
- **12.3 Bioaccumulative potential** No further relevant information available.
- **12.4 Mobility in soil** No further relevant information available.
- **Additional ecological information:**
- **General notes:** Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **12.6 Other adverse effects** No further relevant information available.

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SECTION 13: Disposal considerations

- 13.1 Waste treatment methods
- Recommendation Disposal must be made according to official regulations

· European waste catalogue

| | |
|----------|--|
| 15 00 00 | WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED |
| 15 01 00 | packaging (including separately collected municipal packaging waste) |
| 15 01 04 | metallic packaging |

- Uncleaned packaging:
- Recommendation: Disposal must be made according to official regulations.

SECTION 14: Transport information

- 14.1 UN-Number
 - ADR, IMDG, IATA
- UN1950
- 14.2 UN proper shipping name
 - ADR
 - IMDG
 - IATA
- 1950 AEROSOLS
AEROSOLS
AEROSOLS, flammable

· 14.3 Transport hazard class(es)

· ADR



- Class
 - Label
- 2 5F Gases.
2.1

· IMDG, IATA



- Class
 - Label
- 2.1
2.1

· 14.4 Packing group

- ADR, IMDG, IATA
- Void

· 14.5 Environmental hazards:

- Marine pollutant:
- No

· 14.6 Special precautions for user

- Danger code (Kemler):
 - EMS Number:
 - Stowage Code
 - Segregation Code
- Warning: Gases.
-
F-D,S-U
SW1 Protected from sources of heat.
SW22 For AEROSOLS with a maximum capacity of 1 litre:
Category A. For AEROSOLS with a capacity above 1 litre:
Category B. For WASTE AEROSOLS: Category C, Clear of living quarters.
SG69 For AEROSOLS with a maximum capacity of 1 litre:
Segregation as for class 9. Stow "separated from" class 1 except for division 1.4. For AEROSOLS with a capacity above 1 litre:
Segregation as for the appropriate subdivision of class 2. For WASTE AEROSOLS: Segregation as for the appropriate subdivision of class 2.

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

Not applicable.

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· Transport/Additional information:

· **ADR**
 · **Limited quantities (LQ)** IL
 · **Excepted quantities (EQ)** Code: E0
 Not permitted as Excepted Quantity
 · **Transport category** 2
 · **Tunnel restriction code** D

· **IMDG**
 · **Limited quantities (LQ)** IL
 · **Excepted quantities (EQ)** Code: E0
 Not permitted as Excepted Quantity

· **UN "Model Regulation":** UN 1950 AEROSOLS, 2.1

SECTION 15: Regulatory information

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

Reg. (EC) n. 1272/2008 - CLP;
 Reg. (EC) n. 1907/2006 – Reach;
 Reg. (EC) n. 2015/830 annex II of REACH;
 Reg. (EC) n. 648/04 (Detergents);
 Reg. (EC) n. 528/12 (Biocides BPR);
 Reg. (EC) n. 1223/2009 (Cosmetics);
 Dir. 06/08 ADR – RID - IMDG - IATA;
 Dir. 47/08 (Aerosols); Dir. 12/18 (Seveso III);
 Dir. 2008/98/CE and Reg. (EC) n.1357/2014 (Waste management)

· Directive 2012/18/EU

· **Named dangerous substances - ANNEX I** None of the ingredients is listed.
 · **Seveso category P3a** FLAMMABLE AEROSOLS
 · **Qualifying quantity (tonnes) for the application of lower-tier requirements** 150 t
 · **Qualifying quantity (tonnes) for the application of upper-tier requirements** 500 t
 · **REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 3

· National regulations:
· Technical instructions (air):

| Class | Share in % |
|-------|------------|
| NK | 10-25 |

· **Waterhazard class:** Water hazard class 1 (Self-assessment): slightly hazardous for water.
 · **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

H220 Extremely flammable gas.
 H225 Highly flammable liquid and vapour.
 H226 Flammable liquid and vapour.
 H280 Contains gas under pressure; may explode if heated.
 H302 Harmful if swallowed.
 H311 Toxic in contact with skin.
 H312 Harmful in contact with skin.
 H314 Causes severe skin burns and eye damage.
 H319 Causes serious eye irritation.
 H331 Toxic if inhaled.
 H336 May cause drowsiness or dizziness.

· Department issuing SDS:

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Abbreviations and acronyms:

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)

ICAO: International Civil Aviation Organisation

ICAO-TI: Technical Instructions by the "International Civil Aviation Organisation" (ICAO)

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)

VOCV: Lenkungsabgabe auf flüchtigen organischen Verbindungen, Schweiz (Swiss Ordinance on volatile organic compounds)

VOC: Volatile Organic Compounds (USA, EU)

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. Gas 1: Flammable gases – Category 1

Aerosol 1: Aerosols – Category 1

Press. Gas C: Gases under pressure – Compressed gas

Flam. Liq. 2: Flammable liquids – Category 2

Flam. Liq. 3: Flammable liquids – Category 3

Acute Tox. 3: Acute toxicity – Category 3

Acute Tox. 4: Acute toxicity – Category 4

Skin Corr. 1B: Skin corrosion/irritation – Category 1B

Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

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

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