

## 4Trade Grab Adhesive

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

#### 1.1. Product identifier

Product name : 4Trade Grab Adhesive  
 Registration number REACH : Not applicable (mixture)  
 Product type REACH : Mixture

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

##### 1.2.1 Relevant identified uses

Adhesive

##### 1.2.2 Uses advised against

No uses advised against known

#### 1.3. Details of the supplier of the safety data sheet

##### Supplier of the safety data sheet

SODAL N.V.  
 Everdongenlaan 18-20  
 B-2300 Turnhout  
 ☎ +32 14 42 42 31  
 ☐ +32 14 42 65 14  
 msds@soudal.com

##### Manufacturer of the product

SODAL N.V.  
 Everdongenlaan 18-20  
 B-2300 Turnhout  
 ☎ +32 14 42 42 31  
 ☐ +32 14 42 65 14  
 msds@soudal.com

#### 1.4. Emergency telephone number

24h/24h (Telephone advice: English, French, German, Dutch):  
 +32 14 58 45 45 (BIG)

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

Classified as dangerous according to the criteria of Regulation (EC) No 1272/2008

| Class           | Category   | Hazard statements  |
|-----------------|------------|--|
| Flam. Liq.      | category 2 | H225: Highly flammable liquid and vapour.                |
| Skin Irrit.     | category 2 | H315: Causes skin irritation.                            |
| STOT SE         | category 3 | H336: May cause drowsiness or dizziness.                 |
| Aquatic Chronic | category 3 | H412: Harmful to aquatic life with long lasting effects. |

#### 2.2. Label elements



Contains: hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, < 5% n-hexane.

##### Signal word

Danger

##### H-statements

H225 Highly flammable liquid and vapour.  
 H315 Causes skin irritation.  
 H336 May cause drowsiness or dizziness.  
 H412 Harmful to aquatic life with long lasting effects.

##### P-statements

P101 If medical advice is needed, have product container or label at hand.

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|                    |   |
|--------------------|---|
| P102               | Keep out of reach of children.  |
| P210               | Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.      |
| P280               | Wear protective gloves, protective clothing and eye protection/face protection.                     |
| P304 + P340        | IF INHALED: Remove person to fresh air and keep comfortable for breathing.                          |
| P332 + P313        | If skin irritation occurs: Get medical advice/attention.  |
| P303 + P361 + P353 | IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. |
| P312               | Call a POISON CENTER/doctor if you feel unwell.   |
| P501               | Dispose of contents/container in accordance with local/regional/national/international regulation.  |

## 2.3. Other hazards

Gas/vapour spreads at floor level: ignition hazard

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

| Name<br>REACH Registration No  | CAS No<br>EC No | Conc. (C) | Classification according to CLP  | Note    | Remark |
|--|-----------------|-----------|--|---------|--------|
| hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, < 5% n-hexane<br>01-2119475514-35 |                 | 20%<C<25% | Flam. Liq. 2; H225<br>Asp. Tox. 1; H304<br>Skin Irrit. 2; H315<br>STOT SE 3; H336<br>Aquatic Chronic 2; H411 | (1)(10) | UVCB   |

(10) Subject to restrictions of Annex XVII of Regulation (EC) No. 1907/2006

(1) For H-statements in full: see heading 16

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### General:

Check the vital functions. Unconscious: maintain adequate airway and respiration. Respiratory arrest: artificial respiration or oxygen. Cardiac arrest: perform resuscitation. Victim conscious with laboured breathing: half-seated. Victim in shock: on his back with legs slightly raised. Vomiting: prevent asphyxia/aspiration pneumonia. Prevent cooling by covering the victim (no warming up). Keep watching the victim. Give psychological aid. Keep the victim calm, avoid physical strain. Depending on the victim's condition: doctor/hospital.

#### After inhalation:

Remove the victim into fresh air. Respiratory problems: consult a doctor/medical service.

#### After skin contact:

Wash immediately with lots of water. Take victim to a doctor if irritation persists.

#### After eye contact:

Rinse with water. Do not apply neutralizing agents. Take victim to an ophthalmologist if irritation persists.

#### After ingestion:

Rinse mouth with water. Do not induce vomiting. Consult a doctor/medical service if you feel unwell.

### 4.2. Most important symptoms and effects, both acute and delayed

#### 4.2.1 Acute symptoms

##### After inhalation:

EXPOSURE TO HIGH CONCENTRATIONS: Narcosis.

##### After skin contact:

Tingling/irritation of the skin. ON CONTINUOUS EXPOSURE/CONTACT: Dry skin. Cracking of the skin.

##### After eye contact:

No effects known.

##### After ingestion:

No effects known.

#### 4.2.2 Delayed symptoms

No effects known.

### 4.3. Indication of any immediate medical attention and special treatment needed

If applicable and available it will be listed below.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Reason for revision: 2.2 + 3.2

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Date of revision: 2016-02-04

Revision number: 0300

Product number: 32498

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## 5.1.1 Suitable extinguishing media:

Polyvalent foam. Dry chemical powder. Carbon dioxide.

## 5.1.2 Unsuitable extinguishing media:

No unsuitable extinguishing media known.

## 5.2. Special hazards arising from the substance or mixture

Upon combustion: CO and CO<sub>2</sub> are formed.

## 5.3. Advice for firefighters

### 5.3.1 Instructions:

If exposed to fire cool the closed containers by spraying with water. Take account of environmentally hazardous firefighting water. Use water moderately and if possible collect or contain it.

### 5.3.2 Special protective equipment for fire-fighters:

Gloves. Protective goggles. Head/neck protection. Protective clothing. Heat/fire exposure: compressed air/oxygen apparatus.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

Stop engines and no smoking. No naked flames or sparks. Spark- and explosionproof appliances and lighting equipment.

#### 6.1.1 Protective equipment for non-emergency personnel

See heading 8.2

#### 6.1.2 Protective equipment for emergency responders

Gloves. Protective goggles. Head/neck protection. Protective clothing.

##### Suitable protective clothing

See heading 8.2

### 6.2. Environmental precautions

Contain leaking substance. Dam up the liquid spill. Try to reduce evaporation. Prevent soil and water pollution. Prevent spreading in sewers. Use appropriate containment to avoid environmental contamination.

### 6.3. Methods and material for containment and cleaning up

Take up liquid spill into a non combustible material e.g.: sand, earth, vermiculite. Scoop absorbed substance into closing containers. Carefully collect the spill/leftovers. Clean contaminated surfaces with an excess of water. Take collected spill to manufacturer/competent authority. Wash clothing and equipment after handling.

### 6.4. Reference to other sections

See heading 13.

## SECTION 7: Handling and storage

The information in this section is a general description. If applicable and available, exposure scenarios are attached in annex. Always use the relevant exposure scenarios that correspond to your identified use.

### 7.1. Precautions for safe handling

Keep away from naked flames/heat. Insufficient ventilation: keep naked flames/sparks away. Insufficient ventilation: use spark-/explosionproof appliances and lighting system. Insufficient ventilation: take precautions against electrostatic charges. Gas/vapour heavier than air at 20°C. Observe strict hygiene. Keep container tightly closed. Remove contaminated clothing immediately. Do not discharge the waste into the drain.

### 7.2. Conditions for safe storage, including any incompatibilities

#### 7.2.1 Safe storage requirements:

Ventilation at floor level. Fireproof storeroom. Store at room temperature. Meet the legal requirements. Max. storage time: 1 year(s).

#### 7.2.2 Keep away from:

Heat sources, ignition sources.

#### 7.2.3 Suitable packaging material:

Plastics.

#### 7.2.4 Non suitable packaging material:

No data available

### 7.3. Specific end use(s)

If applicable and available, exposure scenarios are attached in annex. See information supplied by the manufacturer.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### 8.1.1 Occupational exposure

##### a) Occupational exposure limit values

If limit values are applicable and available these will be listed below.

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## b) National biological limit values

If limit values are applicable and available these will be listed below.

### 8.1.2 Sampling methods

| Product name                    | Test  | Number |
|---------------------------------|-------|--------|
| Petroleum Distillate (Naphthas) | NIOSH | 1550   |
| Petroleum Distillates Fractions | OSHA  | 48     |

### 8.1.3 Applicable limit values when using the substance or mixture as intended

If limit values are applicable and available these will be listed below.

### 8.1.4 DNEL/PNEC values

#### DNEL/DMEL - Workers

hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, < 5% n-hexane

| Effect level (DNEL/DMEL) | Type                                  | Value                  | Remark |
|--------------------------|---------------------------------------|------------------------|--------|
| DNEL                     | Long-term systemic effects inhalation | 2035 mg/m <sup>3</sup> |        |
|                          | Long-term systemic effects dermal     | 773 mg/kg bw/day       |        |

#### DNEL/DMEL - General population

hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, < 5% n-hexane

| Effect level (DNEL/DMEL) | Type                               | Value                 | Remark |
|--------------------------|------------------------------------|-----------------------|--------|
| DNEL                     | Long-term local effects inhalation | 608 mg/m <sup>3</sup> |        |
|                          | Long-term systemic effects dermal  | 699 mg/kg bw/day      |        |
|                          | Long-term systemic effects oral    | 699 mg/kg bw/day      |        |

### 8.1.5 Control banding

If applicable and available it will be listed below.

## 8.2. Exposure controls

The information in this section is a general description. If applicable and available, exposure scenarios are attached in annex. Always use the relevant exposure scenarios that correspond to your identified use.

### 8.2.1 Appropriate engineering controls

Keep away from naked flames/heat. Insufficient ventilation: keep naked flames/sparks away. Insufficient ventilation: use spark-/explosionproof appliances and lighting system. Insufficient ventilation: take precautions against electrostatic charges. Measure the concentration in the air regularly. Work under local exhaust/ventilation.

### 8.2.2 Individual protection measures, such as personal protective equipment

Observe strict hygiene. Keep container tightly closed. Do not eat, drink or smoke during work.

#### a) Respiratory protection:

Insufficient ventilation: wear respiratory protection.

#### b) Hand protection:

Gloves.

#### c) Eye protection:

Safety glasses.

#### d) Skin protection:

Protective clothing.

### 8.2.3 Environmental exposure controls:

See headings 6.2, 6.3 and 13

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

|                         |                                     |
|-------------------------|-------------------------------------|
| Physical form           | Viscous                             |
| Odour                   | Solvent-like odour                  |
| Odour threshold         | No data available                   |
| Colour                  | Yellow-brown                        |
| Particle size           | No data available                   |
| Explosion limits        | No data available                   |
| Flammability            | Highly flammable liquid and vapour. |
| Log Kow                 | Not applicable (mixture)            |
| Dynamic viscosity       | No data available                   |
| Kinematic viscosity     | No data available                   |
| Melting point           | No data available                   |
| Boiling point           | No data available                   |
| Flash point             | -9 °C                               |
| Evaporation rate        | No data available                   |
| Relative vapour density | > 1                                 |
| Vapour pressure         |                                     |

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Date of revision: 2016-02-04

Revision number: 0300

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|                           |  |
|---------------------------|--|
| Solubility                | water ; insoluble                                      |
|                           | organic solvents ; soluble                             |
| Relative density          | 1.2 ; 20 °C  |
| Decomposition temperature | No data available                                      |
| Auto-ignition temperature | No data available                                      |
| Explosive properties      | No chemical group associated with explosive properties |
| Oxidising properties      | No chemical group associated with oxidising properties |
| pH                        | No data available                                      |

## 9.2. Other information

|                  |                                |
|------------------|--------------------------------|
| Absolute density | 1200 kg/m <sup>3</sup> ; 20 °C |
|------------------|--------------------------------|

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

May be ignited by sparks. Gas/vapour spreads at floor level: ignition hazard. No data available.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

No data available.

### 10.4. Conditions to avoid

Keep away from naked flames/heat. Insufficient ventilation: keep naked flames/sparks away. Insufficient ventilation: use spark-/explosionproof appliances and lighting system. Insufficient ventilation: take precautions against electrostatic charges.

### 10.5. Incompatible materials

No data available.

### 10.6. Hazardous decomposition products

Upon combustion: CO and CO<sub>2</sub> are formed.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

#### 11.1.1 Test results

#### Acute toxicity

##### 4Trade Grab Adhesive

No (test)data on the mixture available

hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, < 5% n-hexane

| Route of exposure    | Parameter | Method | Value           | Exposure time | Species           | Value determination | Remark |
|----------------------|-----------|--------|-----------------|---------------|-------------------|---------------------|--------|
| Oral                 | LD50      | Other  | > 5840 mg/kg bw |               | Rat (male/female) | Read-across         |        |
| Dermal               | LD50      | Other  | > 2800 mg/kg bw | 24 week(s)    | Rat (male/female) | Similar product     |        |
| Inhalation (vapours) | LC50      | Other  | > 25.2 mg/l     | 4 h           | Rat (male/female) | Experimental value  |        |

Judgement is based on the relevant ingredients

#### Conclusion

Not classified for acute toxicity

#### Corrosion/irritation

##### 4Trade Grab Adhesive

No (test)data on the mixture available

hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, < 5% n-hexane

| Route of exposure | Result         | Method                 | Exposure time | Time point       | Species | Value determination | Remark |
|-------------------|----------------|------------------------|---------------|------------------|---------|---------------------|--------|
| Eye               | Not irritating | Other                  |               |                  | Rabbit  | Read-across         |        |
| Skin              | Irritating     | Equivalent to OECD 404 | 4 h           | 24; 48; 72 hours | Rabbit  | Experimental value  |        |

Classification is based on the relevant ingredients

#### Conclusion

Causes skin irritation.

Not classified as irritating to the eyes

Not classified as irritating to the respiratory system

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## Respiratory or skin sensitisation

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No (test)data on the mixture available

hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, < 5% n-hexane

| Route of exposure | Result          | Method                 | Exposure time | Observation time point | Species                  | Value determination | Remark |
|-------------------|-----------------|------------------------|---------------|------------------------|--------------------------|---------------------|--------|
| Skin              | Not sensitizing | Equivalent to OECD 406 |               | 24; 48 hours           | Guinea pig (male/female) | Read-across         |        |

Judgement is based on the relevant ingredients

### Conclusion

Not classified as sensitizing for skin

Not classified as sensitizing for inhalation

## Specific target organ toxicity

### 4Trade Grab Adhesive

No (test)data on the mixture available

hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, < 5% n-hexane

| Route of exposure    | Parameter | Method                 | Value                      | Organ                  | Effect                   | Exposure time                  | Species           | Value determination |
|----------------------|-----------|------------------------|----------------------------|------------------------|--------------------------|--------------------------------|-------------------|---------------------|
| Inhalation (vapours) | NOAEC     | Other                  | 4200 mg/m <sup>3</sup> air |                        | No effect                | 3 days (8h/day)                | Rat (male)        | Experimental value  |
| Inhalation (vapours) | NOAEC     | Equivalent to OECD 413 | 6646 ppm                   |                        | No effect                | 13 weeks (6h/day, 5 days/week) | Rat (male/female) | Read-across         |
| Inhalation (vapours) | NOAEC     | Equivalent to OECD 413 | 2220 ppm                   |                        | No effect                | 13 weeks (6h/day, 5 days/week) | Rat (male/female) | Read-across         |
| Inhalation (vapours) | LOAEC     | Other                  | 14 g/m <sup>3</sup>        | Central nervous system | Behavioural disturbances | 3 days (8h/day)                | Rat (male)        | Experimental value  |

Classification is based on the relevant ingredients

### Conclusion

May cause drowsiness or dizziness.

Not classified for subchronic toxicity

## Mutagenicity (in vitro)

### 4Trade Grab Adhesive

No (test)data on the mixture available

hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, < 5% n-hexane

| Result   | Method                 | Test substrate           | Effect    | Value determination |
|----------|------------------------|--------------------------|-----------|---------------------|
| Negative | Equivalent to OECD 473 | Rat liver cells          | No effect | Read-across         |
| Negative | Equivalent to OECD 471 | Bacteria (S.typhimurium) | No effect | Read-across         |
| Negative | OECD 476               |                          | No effect | Read-across         |

## Mutagenicity (in vivo)

### 4Trade Grab Adhesive

No (test)data on the mixture available

## Carcinogenicity

### 4Trade Grab Adhesive

No (test)data on the mixture available

## Reproductive toxicity

### 4Trade Grab Adhesive

No (test)data on the mixture available

Reason for revision: 2.2 + 3.2

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hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, < 5% n-hexane

|                        | Parameter    | Method                 | Value      | Exposure time    | Species           | Effect                             | Organ    | Value determination |
|------------------------|--------------|------------------------|------------|------------------|-------------------|------------------------------------|----------|---------------------|
| Developmental toxicity | NOAEC        | Other                  | ≥ 1200 ppm | 10 days (6h/day) | Rat               | No effect                          |          | Read-across         |
|                        | NOAEL        | Equivalent to OECD 414 | 3000 ppm   | 10 days (6h/day) | Mouse             | No effect                          |          | Read-across         |
|                        | LOAEL        | Equivalent to OECD 414 | 9000 ppm   | 10 days (6h/day) | Mouse             | Minor skeletal variations          | Skeleton | Read-across         |
| Maternal toxicity      | NOAEC        |                        | 1200 ppm   |                  | Rat (female)      | No effect                          |          | Read-across         |
|                        | NOAEL        | Equivalent to OECD 414 | 900 ppm    | 10 days (6h/day) | Rat (female)      | No effect                          |          | Read-across         |
|                        | LOAEL        | Equivalent to OECD 414 | 3000 ppm   | 10 days (6h/day) | Rat (female)      | Lung tissue affection/degeneration | Lungs    | Read-across         |
| Effects on fertility   | NOAEL (P/F1) | Equivalent to OECD 416 | 9000 ppm   |                  | Rat (male/female) | No effect                          |          | Read-across         |

Judgement is based on the relevant ingredients

## Conclusion CMR

Not classified for carcinogenicity

Not classified for mutagenic or genotoxic toxicity

Not classified for reprotoxic or developmental toxicity

## Toxicity other effects

### 4Trade Grab Adhesive

No (test)data on the mixture available

## Chronic effects from short and long-term exposure

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No effects known.

## SECTION 12: Ecological information

### 12.1. Toxicity

#### 4Trade Grab Adhesive

No (test)data on the mixture available

hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, < 5% n-hexane

|  | Parameter | Method   | Value                      | Duration  | Species                         | Test design        | Fresh/salt water | Value determination     |
|--|-----------|----------|----------------------------|-----------|---------------------------------|--------------------|------------------|-------------------------|
| Acute toxicity fishes                    | LL50      | OECD 203 | 11.4 mg/l WAF              | 96 h      | Oncorhynchus mykiss             | Semi-static system | Fresh water      | Experimental value; GLP |
| Acute toxicity invertebrates             | EL50      | OECD 202 | 3.0 mg/l WAF               | 48 h      | Daphnia magna                   | Static system      | Fresh water      | Experimental value; GLP |
| Toxicity algae and other aquatic plants  | ErC50     | OECD 201 | 30 mg/l WAF - 100 mg/l WAF | 72 h      | Pseudokirchneriella subcapitata | Static system      | Fresh water      | Experimental value; GLP |
| Long-term toxicity fish                  | NOELR     |          | 2.045 mg/l                 | 28        | Oncorhynchus mykiss             |                    | Fresh water      | QSAR                    |
| Long-term toxicity aquatic invertebrates | NOEC      | OECD 211 | 0.17 mg/l WAF              | 21 day(s) | Daphnia magna                   | Static system      | Fresh water      | Read-across             |
|  | LOEC      | OECD 211 | 0.32 mg/l WAF              | 21 day(s) | Daphnia magna                   | Static system      | Fresh water      | Read-across             |
| Toxicity aquatic micro-organisms         | EL50      |          | 35.57 mg/l                 | 48 h      | Tetrahymena pyriformis          |                    | Fresh water      | QSAR; Growth inhibition |
|  | NOELR     |          | 7.959 mg/l                 | 48 h      | Tetrahymena pyriformis          |                    | Fresh water      | QSAR; Growth inhibition |

Classification is based on the relevant ingredients

## Conclusion

Harmful to aquatic life with long lasting effects.

### 12.2. Persistence and degradability

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Date of revision: 2016-02-04

Revision number: 0300

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hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, < 5% n-hexane

Biodegradation water

| Method                                  | Value     | Duration  | Value determination |
|---|-----------|-----------|---------------------|
| OECD 301F: Manometric Respirometry Test | 98 %; GLP | 28 day(s) | Experimental value  |

## Conclusion

Contains non readily biodegradable component(s)

## 12.3. Bioaccumulative potential

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Log Kow

| Method | Remark                   | Value | Temperature | Value determination |
|--------|--------------------------|-------|-------------|---------------------|
|        | Not applicable (mixture) |       |             |                     |

hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, < 5% n-hexane

Log Kow

| Method | Remark | Value | Temperature | Value determination |
|--------|--------|-------|-------------|---------------------|
|        |        | > 3   |             |                     |

## Conclusion

Contains bioaccumulative component(s)

## 12.4. Mobility in soil

hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, < 5% n-hexane

Percent distribution

| Method           | Fraction air | Fraction biota | Fraction sediment | Fraction soil | Fraction water | Value determination |
|------------------|--------------|----------------|-------------------|---------------|----------------|---------------------|
| Mackay level III | 98 %         | 0 %            | 0.9 %             | 0 %           | 1.3 %          | Calculated value    |

## Conclusion

Contains component(s) that adsorb(s) into the soil

Contains component(s) with potential for mobility in the soil

## 12.5. Results of PBT and vPvB assessment

Due to insufficient data no statement can be made whether the component(s) fulfil(s) the criteria of PBT and vPvB according to Annex XIII of Regulation (EC) No 1907/2006.

## 12.6. Other adverse effects

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Global warming potential (GWP)

None of the known components is included in the list of fluorinated greenhouse gases (Regulation (EU) No 517/2014)

Ozone-depleting potential (ODP)

Not classified as dangerous for the ozone layer (Regulation (EC) No 1005/2009)

## SECTION 13: Disposal considerations

The information in this section is a general description. If applicable and available, exposure scenarios are attached in annex. Always use the relevant exposure scenarios that correspond to your identified use.

### 13.1. Waste treatment methods

#### 13.1.1 Provisions relating to waste

Hazardous waste according to Regulation (EU) No 1357/2014.

Waste material code (Directive 2008/98/EC, Decision 2000/0532/EC).

08 04 09\* (wastes from MFSU of adhesives and sealants (including waterproofing products): waste adhesives and sealants containing organic solvents or other hazardous substances). Depending on branch of industry and production process, also other waste codes may be applicable.

#### 13.1.2 Disposal methods

Incinerate under surveillance with energy recovery. Remove waste in accordance with local and/or national regulations. Hazardous waste shall not be mixed together with other waste. Different types of hazardous waste shall not be mixed together if this may entail a risk of pollution or create problems for the further management of the waste. Hazardous waste shall be managed responsibly. All entities that store, transport or handle hazardous waste shall take the necessary measures to prevent risks of pollution or damage to people or animals. Use appropriate containment to avoid environmental contamination.

#### 13.1.3 Packaging/Container

Waste material code packaging (Directive 2008/98/EC).

15 01 10\* (packaging containing residues of or contaminated by dangerous substances).

## SECTION 14: Transport information

### Road (ADR)

14.1. UN number

Reason for revision: 2.2 + 3.2

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Revision number: 0300

Product number: 32498

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|  |   |
|--|---|
| UN number                                | 1133  |
| 14.2. UN proper shipping name            |   |
| Proper shipping name                     | Adhesives   |
| 14.3. Transport hazard class(es)         |   |
| Hazard identification number             |   |
| Class                                    | 3   |
| Classification code                      | F1  |
| 14.4. Packing group                      |   |
| Packing group                            | III   |
| Labels                                   | 3   |
| 14.5. Environmental hazards              |   |
| Environmentally hazardous substance mark | no  |
| 14.6. Special precautions for user       |   |
| Special provisions                       |   |
| Limited quantities                       | Combination packagings: not more than 5 liters per inner packaging for liquids. A package shall not weigh more than 30 kg. (gross mass) |
| Specific mention                         | Viscous liquid with a flash point lower than 23°C, which meets the conditions indicated in 2.2.3.1.4 of ADR                             |

## Rail (RID)

|  |   |
|--|---|
| 14.1. UN number                          |   |
| UN number                                | 1133  |
| 14.2. UN proper shipping name            |   |
| Proper shipping name                     | Adhesives   |
| 14.3. Transport hazard class(es)         |   |
| Hazard identification number             | 33  |
| Class                                    | 3   |
| Classification code                      | F1  |
| 14.4. Packing group                      |   |
| Packing group                            | III   |
| Labels                                   | 3   |
| 14.5. Environmental hazards              |   |
| Environmentally hazardous substance mark | no  |
| 14.6. Special precautions for user       |   |
| Special provisions                       |   |
| Limited quantities                       | Combination packagings: not more than 5 liters per inner packaging for liquids. A package shall not weigh more than 30 kg. (gross mass) |
| Specific mention                         | Viscous liquid with a flash point lower than 23°C, which meets the conditions indicated in 2.2.3.1.4 of RID                             |

## Inland waterways (ADN)

|  |   |
|--|---|
| 14.1. UN number                          |   |
| UN number                                | 1133  |
| 14.2. UN proper shipping name            |   |
| Proper shipping name                     | Adhesives   |
| 14.3. Transport hazard class(es)         |   |
| Class                                    | 3   |
| Classification code                      | F1  |
| 14.4. Packing group                      |   |
| Packing group                            | III   |
| Labels                                   | 3   |
| 14.5. Environmental hazards              |   |
| Environmentally hazardous substance mark | no  |
| 14.6. Special precautions for user       |   |
| Special provisions                       |   |
| Limited quantities                       | Combination packagings: not more than 5 liters per inner packaging for liquids. A package shall not weigh more than 30 kg. (gross mass) |
| Specific mention                         | Viscous liquid with a flash point lower than 23°C, which meets the conditions indicated in 2.2.3.1.4 of ADN                             |

## Sea (IMDG/IMSBC)

|                               |      |
|-------------------------------|------|
| 14.1. UN number               |      |
| UN number                     | 1133 |
| 14.2. UN proper shipping name |      |

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Publication date: 2005-10-02

Date of revision: 2016-02-04

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|  |   |
|--|---|
| Proper shipping name   | Adhesives   |
| 14.3. Transport hazard class(es)   |   |
| Class  | 3   |
| 14.4. Packing group  |   |
| Packing group  | III   |
| Labels   | 3   |
| 14.5. Environmental hazards  |   |
| Marine pollutant   | -   |
| Environmentally hazardous substance mark                                 | no  |
| 14.6. Special precautions for user                                       |   |
| Special provisions   | 223   |
| Special provisions   | 955   |
| Limited quantities   | Combination packagings: not more than 5 liters per inner packaging for liquids. A package shall not weigh more than 30 kg. (gross mass) |
| Specific mention   | Viscous liquid with a flash point lower than 23°C, which meets the conditions indicated in 2.3.2.3 of IMDG                              |
| 14.7. Transport in bulk according to Annex II of Marpol and the IBC Code |   |
| Annex II of MARPOL 73/78   | Not applicable, based on available data   |

## Air (ICAO-TI/IATA-DGR)

|   |  |
|---|--|
| 14.1. UN number   |  |
| UN number   | 1133   |
| 14.2. UN proper shipping name   |  |
| Proper shipping name  | Adhesives  |
| 14.3. Transport hazard class(es)  |  |
| Class   | 3  |
| 14.4. Packing group   |  |
| Packing group   | III  |
| Labels  | 3  |
| 14.5. Environmental hazards   |  |
| Environmentally hazardous substance mark  | no   |
| 14.6. Special precautions for user  |  |
| Special provisions  | A3   |
| Passenger and cargo transport: limited quantities: maximum net quantity per packaging | 10 L   |
| Specific mention  | Viscous liquid with a flash point lower than 23°C, which meets the conditions indicated in 3.3.3.1 of ICAO |

## SECTION 15: Regulatory information

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

#### European legislation:

VOC content Directive 2010/75/EU

| VOC content | Remark |
|-------------|--------|
| 24 %        |        |
| 282.72 g/l  |        |

#### REACH Annex XVII - Restriction

Contains component(s) subject to restrictions of Annex XVII of Regulation (EC) No 1907/2006: restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles.

|  |   |   |
|--|---|---|
| hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, < 5% n-hexane | Liquid substances or mixtures which are regarded as dangerous in accordance with Directive 1999/45/EC or are fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008:<br>(a) hazard classes 2.1 to 2.4, 2.6 and 2.7, 2.8 types A and B, 2.9, 2.10, 2.12, 2.13 categories 1 and 2, 2.14 categories 1 and 2, 2.15 types A to F;<br>(b) hazard classes 3.1 to 3.6, 3.7 adverse effects on sexual function and fertility or on development, 3.8 effects other than narcotic effects, 3.9 and 3.10;<br>(c) hazard class 4.1;<br>(d) hazard class 5.1. | 1. Shall not be used in:<br>— ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays,<br>— tricks and jokes,<br>— games for one or more participants, or any article intended to be used as such, even with ornamental aspects, 2. Articles not complying with paragraph 1 shall not be placed on the market. 3. Shall not be placed on the market if they contain a colouring agent, unless required for fiscal reasons, or perfume, or both, if they:<br>— can be used as fuel in decorative oil lamps for supply to the general public, and,<br>— present an aspiration hazard and are labelled with R65 or H304, 4. Decorative oil lamps for supply to the general public shall not be placed on the market unless they conform to the European Standard on Decorative oil lamps (EN 14059) adopted by the European Committee for Standardisation (CEN). 5. Without prejudice to the implementation of other Community provisions relating to the classification, packaging and labelling of dangerous substances and mixtures, suppliers shall ensure, before the placing on the market, that the following requirements are met:<br>a) lamp oils, labelled with R65 or H304, intended for supply to the general public are visibly, |
|--|---|---|

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|  |   |   |
|--|---|---|
|  |   | <p>legibly and indelibly marked as follows: "Keep lamps filled with this liquid out of the reach of children"; and, by 1 December 2010, "Just a sip of lamp oil — or even sucking the wick of lamps — may lead to life-threatening lung damage";</p> <p>b) grill lighter fluids, labelled with R65 or H304, intended for supply to the general public are legibly and indelibly marked by 1 December 2010 as follows: "Just a sip of grill lighter may lead to life threatening lung damage";</p> <p>c) lamp oils and grill lighters, labelled with R65 or H304, intended for supply to the general public are packaged in black opaque containers not exceeding 1 litre by 1 December 2010.6. No later than 1 June 2014, the Commission shall request the European Chemicals Agency to prepare a dossier, in accordance with Article 69 of the present Regulation with a view to ban, if appropriate, grill lighter fluids and fuel for decorative lamps, labelled R65 or H304, intended for supply to the general public.7. Natural or legal persons placing on the market for the first time lamp oils and grill lighter fluids, labelled with R65 or H304, shall by 1 December 2011, and annually thereafter, provide data on alternatives to lamp oils and grill lighter fluids labelled R65 or H304 to the competent authority in the Member State concerned. Member States shall make those data available to the Commission.'</p> |
| hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, < 5% n-hexane | Substances classified as flammable gases category 1 or 2, flammable liquids categories 1, 2 or 3, flammable solids category 1 or 2, substances and mixtures which, in contact with water, emit flammable gases, category 1, 2 or 3, pyrophoric liquids category 1 or pyrophoric solids category 1, regardless of whether they appear in Part 3 of Annex VI to that Regulation or not. | <p>1. Shall not be used, as substance or as mixtures in aerosol dispensers where these aerosol dispensers are intended for supply to the general public for entertainment and decorative purposes such as the following:</p> <ul style="list-style-type: none"> <li>— metallic glitter intended mainly for decoration,</li> <li>— artificial snow and frost,</li> <li>— "whoopee" cushions,</li> <li>— silly string aerosols,</li> <li>— imitation excrement,</li> <li>— horns for parties,</li> <li>— decorative flakes and foams,</li> <li>— artificial cobwebs,</li> <li>— stink bombs.</li> </ul> <p>2. Without prejudice to the application of other Community provisions on the classification, packaging and labelling of substances, suppliers shall ensure before the placing on the market that the packaging of aerosol dispensers referred to above is marked visibly, legibly and indelibly with:</p> <p>"For professional users only".</p> <p>3. By way of derogation, paragraphs 1 and 2 shall not apply to the aerosol dispensers referred to Article 8 (1a) of Council Directive 75/ 324/EEC.4. The aerosol dispensers referred to in paragraphs 1 and 2 shall not be placed on the market unless they conform to the requirements indicated.</p>  |

## National legislation The Netherlands

### 4Trade Grab Adhesive

|  |   |
|--|---|
| Waste identification (the Netherlands) | LWCA (the Netherlands): KGA category 05 |
| Waterbezwaarlijkheid                   | 8                                       |

## National legislation Germany

### 4Trade Grab Adhesive

|     |   |
|-----|---|
| WGK | 2; Classification water polluting based on the components in compliance with Verwaltungsvorschrift wassergefährdender Stoffe (VwVwS) of 27 July 2005 (Anhang 4) |
|-----|---|

### hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, < 5% n-hexane

|         |          |
|---------|----------|
| TA-Luft | 5.2.5; I |
|---------|----------|

## National legislation France

### 4Trade Grab Adhesive

No data available

## National legislation Belgium

### 4Trade Grab Adhesive

No data available

## Other relevant data

### 4Trade Grab Adhesive

No data available

## 15.2. Chemical safety assessment

No chemical safety assessment is required.

## SECTION 16: Other information

### Full text of any H-statements referred to under headings 2 and 3:

- H225 Highly flammable liquid and vapour.
- H304 May be fatal if swallowed and enters airways.
- H315 Causes skin irritation.
- H336 May cause drowsiness or dizziness.
- H411 Toxic to aquatic life with long lasting effects.
- H412 Harmful to aquatic life with long lasting effects.

(\*) = INTERNAL CLASSIFICATION BY BIG

PBT-substances = persistent, bioaccumulative and toxic substances

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CLP (EU-GHS) Classification, labelling and packaging (Globally Harmonised System in Europe)

The information in this safety data sheet is based on data and samples provided to BIG. The sheet was written to the best of our ability and according to the state of knowledge at that time. The safety data sheet only constitutes a guideline for the safe handling, use, consumption, storage, transport and disposal of the substances/preparations/mixtures mentioned under point 1. New safety data sheets are written from time to time. Only the most recent versions may be used. Old versions must be destroyed. Unless indicated otherwise word for word on the safety data sheet, the information does not apply to substances/preparations/mixtures in purer form, mixed with other substances or in processes. The safety data sheet offers no quality specification for the substances/preparations/mixtures in question. Compliance with the instructions in this safety data sheet does not release the user from the obligation to take all measures dictated by common sense, regulations and recommendations or which are necessary and/or useful based on the real applicable circumstances. BIG does not guarantee the accuracy or exhaustiveness of the information provided and cannot be held liable for any changes by third parties. This safety data sheet is only to be used within the European Union, Switzerland, Iceland, Norway and Liechtenstein. Any use outside of this area is at your own risk. Use of this safety data sheet is subject to the licence and liability limiting conditions as stated in your BIG licence agreement or when this is failing the general conditions of BIG. All intellectual property rights to this sheet are the property of BIG and its distribution and reproduction are limited. Consult the mentioned agreement/conditions for details.

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