

SAFETY DATA SHEET

Based upon Regulation (EC) No 1907/2006, as amended by Regulation (EU) No 2015/830

All In One Genius Spray

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

1.1. Product identifier

Product name Registration number REACH Product type REACH

: All In One Genius Spray : Not applicable (mixture) : Mixture

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

1.2.1 Relevant identified uses Detergent according to Regulation (EC) No 648/2004

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

SOUDAL N.V. Everdongenlaan 18-20 B-2300 Turnhout **2** +32 14 42 42 31 +32 14 42 65 14 msds@soudal.com

Manufacturer of the product

SOUDAL N.V. Everdongenlaan 18-20 B-2300 Turnhout **2** +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

| Class | Category | Hazard statements |
|-----------------|--------------------------|--|
| Aerosol | categ <mark>ory 1</mark> | H222: Extremely flam mable aerosol. |
| Aerosol | categ <mark>ory 1</mark> | H229: Pressurised container: May burst if heated. |
| STOT SE | categ <mark>ory 3</mark> | H336: May cause drowsiness or dizziness. |
| Aquatic Chronic | categ <mark>ory 2</mark> | H411: Toxic to aquatic life with long lasting effects. |

2.2. Label elements



| | () 🕸 | |
|--------------------|------------------------------|--|
| Contains: pentane. | | |
| Signal word | Danger | |
| H-statements | | |
| H222 | Extremely flammable aerosol. | |

| Signal word H-statements | Danger |
|------------------------------------|--|
| H222 | Extremely flammable aerosol. |
| H229 | Pressurised container: May burst if heated. |
| H336 | May cause drowsiness or dizziness. |
| H411 | Toxic to aquatic life with long lasting effects. |
| P-statements | |
| P101 | If medical advice is needed, have product container or label at hand. |
| P102 | Keep out of reach of children. |
| 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. |
| | |
| | entrum voor gevaarlijke stoffen vzw (BIG) Publication date: 2018-03-15 គ្រូ |
| Technische Schoolstraat 43 A, B-24 | 40 Geel Ge |
| http://www.big.be | 96 |
| © BIG vzw | |
| | 134 |

- P251
- P304 + P340
- P405

P410 + P412

Do not pierce or burn, even after use. IF INHALED: Remove person to fresh air and keep comfortable for breathing.

Store locked up.

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

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

Supplemental information EUH066

Repeated exposure may cause skin dryness or cracking.

2.3. Other hazards

P501

Gas/vapour spreads at floor level: ignition hazard

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

| Name REACH Registration No | | CAS No EC No | | Conc. (C) | Classification according to CLP | Note | Remark |
|-------------------------------|--|-----------------------|--|-----------|---|------------|-------------|
| pentane 01-2119459286-30 | | 109-66-0 203-692-4 | | C>25 % | Flam. Liq. 2; H225 Asp. Tox. 1; H304 STOT SE 3; H336 Aquatic Chronic 2; H411 | (1)(2)(10) | Constituent |
| carbon dioxide | | 124-38-9 204-696-9 | | C>1 % | Press. Gas - Liquefied gas; H280 | (1)(2) | Propellant |

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

(2) Substance with a Community workplace exposure limit

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

SECTION 4: First aid measures

4.1. Description of first aid measures

General:

If you feel unwell, seek medical advice.

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. Remove contact lenses, if present and easy to do. Continue rinsing. 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: Headache. Coughing. Dry/sore throat. Respiratory difficulties. After skin contact: Red skin. ON CONTINUOUS EXPOSURE/CONTACT: Dry skin. Cracking of the skin. After eye contact: Redness of the eye tissue. After ingestion: Headache. Abdominal pain. Diarrhoea. Vomiting. Disturbances of consciousness. 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

5.1.1 Suitable extinguishing media:

- Small fire: Quick-acting ABC powder extinguisher, Quick-acting BC powder extinguisher.
- 5.1.2 Unsuitable extinguishing media:

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Small fire: Quick-acting CO2 extinguisher, Water (water can be used to control jet flame), Foam. Major fire: Water (water can be used to control jet flame), Foam.

5.2. Special hazards arising from the substance or mixture

Upon combustion: CO and CO2 are formed. Pressurised container: May burst if heated.

5.3. Advice for firefighters

5.3.1 Instructions:

If exposed to fire cool the closed containers by spraying with water. Physical explosion risk: extinguish/cool from behind cover. Do not move the load if exposed to heat. After cooling: persistant risk of physical explosion. 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. 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. Protective clothing.

Suitable protective clothing

See heading 8.2

6.2. Environmental precautions Dam up the liquid spill. Use appropriate containment to avoid environmental contamination.

6.3. Methods and material for containment and cleaning up

Take up liquid spill into absorbent material. 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

Use spark-/explosionproof appliances and lighting system. Take precautions against electrostatic charges. Keep away from naked flames/heat. Keep away from ignition sources/sparks. Observe normal hygiene standards. Avoid prolonged and repeated contact with skin.

7.2. Conditions for safe storage, including any incompatibilities

7.2.1 Safe storage requirements:

Storage temperature: < 50 °C. Store in a cool area. Keep container in a well-ventilated place. Fireproof storeroom. Protect against frost. Keep out of direct sunlight. 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:
 - Aerosol.
- 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.

| | EU | | |
|----------|----------------|---|------------|
| | Carbon dioxide | Time-weighted average exposure limit 8 h (Indicative occupational exposure limit value) | 5000 ppm |
| | | Time-weighted average exposure limit 8 h (Indicative occupational exposure limit value) | 9000 mg/m³ |
| | Pentane | Time-weighted average exposure limit 8 h (Indicative occupational exposure limit value) | 1000 ppm |
| | _ | Publication date: 2018-03-15 | |
| Revision | number: 0000 | Product number: 59075 | 3/13 |

| Pentane | Time-weighted average exposure limit 8 h (Indicative occupational exposure limit value) | 3000 mg/m³ |
|------------------------|---|-----------------------------|
| Belgium | | |
| Carbone (dioxyde de) | Time-weighted average exposure limit 8 h | 5000 ppm (A) |
| | Time-weighted average exposure limit 8 h | 9131 mg/m³ (A) |
| | Short time value | 30000 ppm (A) |
| | Short time value | 54784 mg/m ³ (A) |
| Pentane, tous isomères | Time-weighted average exposure limit 8 h | 600 ppm |
| | Time-weighted average exposure limit 8 h | 1800 mg/m³ |
| | Short time value | 750 ppm |
| | Short time value | 2250 mg/m³ |

La mention "A" signifie que l'agent libère un gaz ou une vapeur qui n'ont en eux-mêmes aucun effet physiologique mais peuvent diminuer le taux d'oxygène dans l'air. Lorsque le taux d'oxygène descend en dessous de 17-18 % (vol/vol) le manque d'oxygène provoque des suffocations qu'aucun symptôme préalable n'annonce

| The Netherlands | | | | |
|---|---|--|--|-------------|
| Kooldioxide | | Time-weighted average exposure limit value) | ge exposure limit 8 h (Public occupational | 4919 ppm |
| | | Time-weighted average exposure limit value) | ge exposure limit 8 h (Public occupational | 9000 mg/m |
| n-Pentaan | | Time-weighted average exposure limit value) | ge exposure limit 8 h (Public occupational | 600 ppm |
| | | | ge exposure limit 8 h (Public occupational | 1800 mg/m |
| France | | | | |
| Carbone (dioxyde de) | | Time-weighted avera | ge exposure limit 8 h (VRI: Valeur réglementaire | e 5000 ppm |
| | | indicative) | ge exposure limit 8 h (VRI: Valeur réglementaire | e 9000 mg/m |
| | | indicative) | | 5000 mg/m |
| n-Pentane | | Time-weighted average contraignante) | ge exposure limit 8 h (VRC: Valeur réglementair | e 1000 ppm |
| | | Time-weighted averag contraignante) | ge exposure limit 8 h (VRC: Valeur réglementair | e 3000 mg/m |
| Germany | | | | <u>.</u> |
| Kohlenstoffdioxid | | Time-weighted average | ge exposure limit 8 h (TRGS 900) | 5000 ppm |
| | | | ge exposure limit 8 h (TRGS 900) | 9100 mg/m |
| Pentan | | Time-weighted average | ge exposure limit 8 h (TRGS 900) | 1000 ppm |
| | | Time-weighted average | ge exposure limit 8 h (TRGS 900) | 3000 mg/m |
| ИК | | | | |
| Carbon dioxide | | Time-weighted average (EH40/2005)) | ge exposure limit 8 h (Workplace exposure limit | 5000 ppm |
| | | Time-weighted average (EH40/2005)) | ge exposure limit 8 h (Workplace exposure limit | t 9150 mg/m |
| | | Short time value (Wor | rkplace exposure limit (EH40/2005)) | 15000 ppm |
| | | Short time value (Wor | rkplace exposure limit (EH40/2005)) | 27400 mg/i |
| Pentane | | Time-weighted average (EH40/2005)) | ge exposure limit 8 h (Workplace exposure limit | t 600 ppm |
| | | Time-weighted average (EH40/2005)) | ge exposure limit 8 h (Workplace exposure limit | t 1800 mg/m |
| USA (TLV-ACGIH) | | | | |
| Carbon dioxide | | Time-weighted average | ge exposure limit 8 h (TLV - Adopted Value) | 5000 ppm |
| | | Short time value (TLV | | 30000 ppm |
| Pentane, all isomers | | Time-weighted average | ge exposure limit 8 h (TLV - Adopted Value) | 1000 ppm |
| | n <mark>it values</mark> ble and available these will be liste | d below. | | |
| 1.2 Sampling methods | | True . | No. 1 Con | |
| Product name | | Test | Number | |
| N-PENTANE (HYDROCAR n-Pentane (Volatile Orga | | NIOSH NIOSH | 1500 2549 | |
| n-Pentane | nic compounds) | NIOSH | 95-117 | |
| Pentane | | OSHA | 7 | |
| 1.3 Applicable limit values | when using the substance or mixing the substance or mixing ble and available these will be listed | ture as intended | | |
| | | | Publication date: 2018-03-15 | |
| | | | | |

| pentane | | | |
|--|---|---|------------------------------|
| Effect level (DNEL/DMEL) | Туре | Value | Remark |
| DNEL | Long-term systemic effects inhalation | 3000 mg/m ³ | |
| | Long-term systemic effects dermal | 432 mg/kg bw/day | |
| DNEL/DMEL - General population | <u>n</u> | | |
| pentane | | | |
| Effect level (DNEL/DMEL) | Туре | Value | Remark |
| DNEL | Long-term systemic effects inhalation | 643 mg/m ³ | |
| | Long-term systemic effects dermal | 214 mg/kg bw/day | |
| DNEC | Long-term systemic effects oral | 214 mg/kg bw/day | |
| PNEC point and | | | |
| compartments | Value | Remark | |
| Fresh water | 230 µg/l | Reindik | |
| Marine water | 230 µg/l | | |
| Aqua (intermittent releases) | 880 µg/l | | |
| STP | 3600 µg/l | | |
| Fresh water sediment | 1.2 mg/kg sediment dw | | |
| Marine water sediment | 1.2 mg/kg sediment dw | | |
| Soil | 0.55 mg/kg soil dw | | |
| 1.5 Control banding | | | |
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| Odour | Characteristic odour |
|---|------------------------------|
| Odour threshold | No data available |
| Colour | No data available on colour |
| Particle size | No data available |
| Explosion limits | 1.3 - 7.8 vol % |
| Flammability | Extremely flammable aerosol. |
| Log Kow | Not applicable (mixture) |
| Dynamic viscosity | 1 mPa.s ; 20 °C |
| Kinematic viscosity | 1 mm²/s ; 40 °C |
| Melting point | No data available |
| Boiling point | -57 °C |
| Evaporation rate | 12.00 ; Butyl acetate |
| Relative vapour density | No data available |
| Vapour pressure | 185 hPa ; 20 °C |
| Solubility | Water ; insoluble |
| Relative density | 0.8 ; 20 °C |
| Decomposition temperature | No data available |
| Auto-ignition temperatu <mark>re</mark> | No data available |
| | Publication date: 2018-03-15 |
| | |

| Paid note 49°C Splane properties No channel group associated with colding properties Juil Control (Juil Control | | | ii IIA | n One G | enius Sp | ray | | |
|--|---|---|-------------------------|-------------------------|-------------------------|----------------------|----------------------|-----------------|
| Defining properties Incomposition pt No data available 2.0. Other information B00 kg/m² Zoodute durativ B00 kg/m² CTION 10: Stability and reactivity B00 kg/m² D1. Reactivity May be lyaled by sparse. Gark/appoor spreads at floor level spation hazard. 10.1. Reactivity May be lyaled by sparse. Gark/appoor spreads at floor level spation hazard. 10.2. Chemical stability Stability of hazardous reactions No data available. No data available. 10.4. Conditions to avoid Precautions y measures Precautionary measures of any blances and lighting system. Take precautions against electrostatic charges. Keep away from naked flames/heet. Keep a too data available. 10.6. Hazardous docomposition products Upper combustion: CO and CO2 are formed. CTION 11: Toxicological information Take index/remailer 11.1. Information on toxicological effects 11.1.1 11.1.1 lest stab Uppermental effects 11.1.1 lest casts Stabe and the relevant ingredients Defaultion Value Sposure time Data available Job doc Value Value hotak do on the indurure available <th>Flash point</th> <th></th> <th>-49</th> <th>°C</th> <th></th> <th></th> <th></th> <th></th> | Flash point | | -49 | °C | | | | |
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| 9.2. Other information konstruction is a second of the sec | | ties | | | ciated with oxidising p | properties | | |
| Juscitute density Bob Lig/m ² CTION 10: Stability and reactivity May be gined by sparks. Cas/vapour spreads at floor level: ignition hazard. 102. Chemical stability Stable under normal conditions. 103. Possibility of hazardous reactions No data available. 104. Conditions to avoid Precaduraty measure use spark-options options. 105. Incompatible materials No data available. 106. Hazardous decomposition products Upon combustor: C0 and C02 are formed. 107. Colditions aurces/parks. 108. Information on toxicological effects 111.11 formation on toxicological effects 111.11 for results use toxicological on the relevant ingredients. 201. Million de Grossere Prevalence on the relevant ingredients. 202. Incompatible materials No data available. 106. Hazardous decomposition products Upon combustor: C0 and C02 are formed. 107. Il 11: Toxicological effects 111.11 for results use toxicity 111. Information on toxicological effects 111.11 for results 111. Information Not decidate on the minuture available Inducement is based on the relevant ingredients. 202 000 mg/kg Experimental calue Mode of esposure Parameter Method Value Conclusion results 920 000 mg/kg Prevention for acute toxicity moto desposure fina and to the minuture available ladgement is based on the relev | Ŀ | | 100 | | | _ | | |
| CTION 10: Stability and reactivity 10.1. Reactivity May be grined by spark. Gat/vapour spreads at floor level: ignition hazard. 10.2. Chemical stability Stable under normal conditions. 10.3. Possibility of hazardous reactions No data available. 10.4. Conditions to avoid Processibility of hazardous reactions No data available. No data available. 10.6. Hochgothermoot appliances and lighting system. Take precautions against electrostatic charges. Keep away from naked flames/heat. Keep a trom ignition source/sparks. 10.6. Hochgothermoot appliances and lighting system. Take precautions against electrostatic charges. Keep away from naked flames/heat. Keep a trom ignition source/sparks. 10.6. Incompatible materials No data available. 10.6. Incompatible materials No data available. 10.6. Information on toxicological effects 11.1. Information on toxicological effects 11.1.1 foot results Exposure time Protection on therelevant ingredients Exposure time Protection on the relevant ingredients Exposure time Protinitation Not instaing othe | | | 800 | 4 1 1 1 2 3 | | | | |
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| Upon combustion: C0 and C02 are formed. CTOUN 11: Toxicological information 11.1. Information on toxicological effects 1.1.1 Test results Unit of cenius Spray No (test)data on the mixture available Judgement is based on the relevant ingredients pentane Route of exposure OCCD 401 > 2000 mg/kg Rat (male/female) Experimental value Oral Dermal Dec 0 401 > 2000 mg/kg Rat (male/female) Experimental value Decremental value Decremental value Decremental value Decremental value Decremental value Experimental value Decremental value Experimental value Decremental va | | | | | | | | |
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| OECD 404 Human Skin Not irritating Human 24 h observation Human Experimental value Conclusion Not classified as irritating to the skin Not classified as irritating to the eyes Not classified as irritating to the respiratory system spiratory or skin sensitisation | Eye | Not irritating | OECD 405 | | 1; 24; 48; 72 hour | s Rabbit | Experimental value | Single exposur |
| Observation Conclusion Not classified as irritating to the skin Not classified as irritating to the eyes Not classified as irritating to the respiratory system | Skin | Not irritating | | 4 h | 24; 48; 72 hours | Rabbit | | |
| Conclusion Not classified as irritating to the skin Not classified as irritating to the eyes Not classified as irritating to the respiratory system spiratory or skin sensitisation | Skin | Not irritating | | 24 h | | Human | Experimental value | |
| Not classified as irritating to the skin Not classified as irritating to the eyes Not classified as irritating to the respiratory system | <u>Conclusion</u> | | | | | | 1 | I |
| Not classified as irritating to the respiratory system | Not classified as irritati | - | | | | | | |
| spiratory or skin sensitisation | | - | roton, and a | | | | | |
| | NOT Classified as irritati | ing to the respi | ratory system | | | | | |
| Publication date: 2018-03-15 | spiratory or skin sensitis | ation | | | | | | |
| Publication date: 2018-03-15 | | | | | | | | |
| | | | | | , I | Publication date: 20 | 18-03-15 | |
| | | | | | | | | |
| vision number: 0000 Product number: 59075 6 | | | | | | | | |

A 11 1 • C 0 \sim

| | | | | | Α | ll In | Or | ne Ge | eniu | us Sp | ray | | | |
|---|---|---------------------|----------|----------|-------------------|---------|--------|-----------------------|--|--------------|------------------------|-----------|-----------------|------------------------|
| No | ne Genius Spra (test)data on t gement is base | he mix | | | | | | | | | | | | |
| | <u>itane</u> | | | | | | | | | | | | | |
| R | oute of exposi | ure Re | esult | | Method | | Exposu | ire time | Obser point | vation time | Species | Valu | ue determinati | onRemark |
| SI | kin | No | ot sensi | tizing | Equivalent 406 | to OECD | | | 24 ho | urs | Guinea pig (female) | Expe | erimental value | 2 |
| Not Not | lusion classified as so classified as so | ensitiz | ing for | | tion | | | | | | | | | |
| <u>All In O</u> No (t | target organ to one Genius Spra est)data on the ssification is ba | ay e mixti | ure ava | | ingredients | | | | | | | | | |
| | <u>itane</u> | | | - | | | | | <u>.</u> | | _ | _ | | |
| | Route of expo | sure | Parame | eter | Method | Value | | Organ | E | ffect | Exposure ti | me | Species | Value determination |
| | Oral | | _ | | | | | | | | | | | Data waiving |
| | Dermal | | | | | | | | | | | | | Data waiving |
| | Inhalation (gas | ses) | NOAEC | | OECD 413 | 20000 n | ng/m³ | | N | lo effect | 13 weeks (6 | | | Experimental |
| Conc | lusion | | _ | | | | | 1 | | | days/week) | | (male/female) | value |
| Ma ^r Not | y cause drowsi classified for s hicity (in vitro) | | | | | | | | | | | | | |
| No | <u>ne Genius Spra</u> (test)data on t Itane | | cture av | vailable | 2 | | | | | | | | | |
| | Result | | | Me | ethod | | | Test substr | Test substrate Effect Value determinatio | | | | | etermination |
| | Negative with activation, neg metabolic acti | gative | withou | | uivalent to Of | CD 471 | | Bacteria (S | .typhim | urium) f | No effect | | Experim | ental value |
| <u>All In O</u> No Jud | nicity (in vivo) One Genius Spra (test)data on t gement is base ntane | he mix | | | | | | | | | | | | |
| | Result | | | | Method | | Expo | sure time | | Test substra | | Organ | N | /alue determination |
| | Negative | | | | EU Meth | od B.12 | | eeks (6h/da /week) | iy, 5 | Rat (male/f | emale) | | E | Experimental value |
| | L Lusion classified for r enicity | nutag | enic or | genot | oxic toxicity | | uuys | WEEK | | | | | 1 | 1 |
| No | <u>Ine Genius Spra</u> (test)data on t gement is base | he mix | | | | | | | | | | | | |
| | itane | | | | | | | | | | | | | |
| | Route of exposure | Paran | neter | Metl | hod | Value | | Exposure t | ime | Species | Effect | | Organ | Value determination |
| | Inhalation | | | | | | | | | | | | | Data waiving |
| | Dermal | | | | | | | | | | | | | Data waiving |
| | Oral Iusion | | | | | | | | 1 | | | / | | Data waiving |
| Not Reprodu <u>All In O</u> No | classified for o ctive toxicity one Genius Spra (test)data on t | <u>ay</u> he mix | cture av | vailable | | | | | | 7 | | | | |
| Jud | gement is base | a on t | ne rele | vant ir | igrealents | | | | | F | Publication dat | e: 2018-0 | 03-15 | |
| | | | | | | | | | | | | | | |

| pentane | | | | | | | | |
|------------------------|-----------|---------------------------|------------------------------------|---------------|----------------------|--------------------------|---|------------------------|
| F | Parameter | Method | Value | Exposure time | Species | Effect | 3 | Value determination |
| Developmental toxicity | NOAEL (P) | | 1000 mg/kg <mark>bw/da</mark> y | 10 day(s) | Rat (female) | No effect | | Experimental value |
| Maternal toxicity | NOAEL | | 1000 mg/kg <mark>bw/da</mark> y | 10 day(s) | Rat (female) | No effect | | Experimental value |
| Effects on fertility | · · · / | Equivalent to OECD 416 | 7000 ppm | | Rat (male/female) | Reproductive performance | | Read-across |

Conclusion

Not classified for reprotoxic or developmental toxicity

Toxicity other effects

All In One Genius Spray

No (test)data on the mixture available

Classification is based on the relevant ingredients

<u>pentane</u>

| Skin Skin dryness or Literature study cracking | Parameter | Method | Value | Organ | Effect | Exposure time | Value determination |
|--|---------------|--------|-------|-------|--------|---------------|------------------------|
| | | | | Skin | | | Literature study |

Conclusion

Repeated exposure may cause skin dryness or cracking.

Chronic effects from short and long-term exposure

All In One Genius Spray No effects known.

SECTION 12: Ecological information

12.1. Toxicity

All In One Genius Spray

No (test)data on the mixture available

Classification is based on the relevant ingredients

pentane

| | Paramet | er Method | Value | Duration | Species | Test design | Fresh/salt water | Value determination |
|--|----------|---------------------------|------------------------|-----------|------------------------|---------------|---------------------|----------------------------|
| Acute toxicity fishes | LC50 | Equivalent to OECD 203 | 4.26 mg/l | 96 h | Oncorhynchus mykiss | Static system | Fresh water | Experimental value; GLP |
| Acute toxicity crustacea | EC50 | Other | <mark>2.7 m</mark> g/l | 48 h | Daphnia magna | Static system | Fresh water | Experimental value |
| Toxicity algae and other aquat plants | ic ErC50 | OECD 201 | 10.7 mg/l | 72 h | Scenedesmus sp. | Static system | Fresh water | Experimental value; GLP |
| Long-term toxicity fish | NOELR | | 6.165 mg/l | 28 day(s) | Oncorhynchus mykiss | | Fresh water | QSAR; Growth rate |
| Long-term toxicity aquatic crustacea | NOELR | | 10.76 mg/l | 21 day(s) | Daphnia magna | | Fresh water | QSAR; Reproduction |

Conclusion

Toxic to aquatic life with long lasting effects.

12.2. Persistence and degradability

pentane

| B | odegradation water | | | | | | | |
|---|-----------------------------|---------|-------------|--|-------------------|---|---------------------|--|
| | Method | | Value | | Duration | | Value determination | |
| | Equivalent or similar to OE | CD 301F | 87 %; GLP | | 28 day(s) | | Experimental value | |
| P | nototransformation air (DT | | | | | _ | | |
| | Method | | Value | | Conc. OH-radicals | | Value determination | |
| | | | 3.95 day(s) | | 500000 /cm³ | | Calculated value | |

Conclusion

Does not contain any not readily biodegradable component(s)

12.3. Bioaccumulative potential

| Log Kow | | | | | |
|-----------------------|--------|-------|---------------------|---------------------|------|
| Method | Remark | Value | Temperature | Value determination | |
| | | | | / | |
| | | | Publication date: 2 | 2018-03-15 | |
| | | | | | |
| | | | | | |
| Revision number: 0000 | | | Product number: 5 | 0075 | 8/13 |
| Revision number. 0000 | | | Product number. 3 | 9075 | 0/15 |

| | Not app | licable (mixture) | | | 1 |
|--------------------|----------------------------------|-------------------|----------|---------------------|---------------------|
| pentane | | | | | |
| BCF fishes | | | | | |
| Parameter | Method | Value | Duration | Species | Value determination |
| BCF | | 171 | | Pimephales promelas | QSAR |
| Log Kow | | - | | | |
| Method | Ren | nark | Value | Temperature | Value determination |
| Other | | | 3.45 | 25 °C | Experimental value |
| nclusion | | | | | |
| oes not contain bi | ioaccumula <mark>tive con</mark> | nponent(s) | | | |
| 2.4. Mobility in | soil | | | | |
| entane | 5011 | | | | |
| | | | | | |
| (log) Koc | | | | E.c. a | |
| Parameter | | | Method | Value | Value determination |
| log Koc | | | | 2.9 | QSAR |
| Doroont distributi | ion | | | | |

| Pe | rcent | distri | but | ion |
|----|-------|--------|-----|-----|
| | | | | |

| Percent distribution | | | | | | |
|----------------------|--------|-----|----------|---------------|----------------|---------------------|
| Method Fraction air | | | | Fraction soil | Fraction water | Value determination |
| | | | sediment | | | |
| Mackay level III | 97.7 % | 0 % | 0.5 % | 0 % | 1.8 % | Calculated value |
| | | | | | | |

Conclusion

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

12.5. Results of PBT and vPvB assessment

Does not contain component(s) that meet(s) the criteria of PBT and/or vPvB as listed in Annex XIII of Regulation (EC) No 1907/2006.

12.6. Other adverse effects

All In One Genius Spray

Fluorinated greenhouse gases (Regulation (EU) No 517/2014)

None of the known components is included in the list of fluorinated greenhouse gases (Regulation (EU) No 517/2014) Contains component(s) included in the list of substances which may contribute to the greenhouse effect (IPCC)

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

European Union

Hazardous waste according to Directive 2008/98/EC, as amended by Regulation (EU) No 1357/2014 and Regulation (EU) No 2017/997.

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

16 05 04* (gases in pressure containers and discarded chemicals: gases in pressure containers (including halons) containing hazardous substances). 20 01 29* (separately collected fractions (except 15 01): detergents containing hazardous substances). Depending on branch of industry and production process, also other waste codes may be applicable.

13.1.2 Disposal methods

Recycle/reuse. 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. Specific treatment. Do not discharge into drains or the environment.

13.1.3 Packaging/Container

European Union

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 | |
| UN number | 1950 |
| 14.2. UN proper shipping na <mark>me</mark> | |
| Proper shipping name | Aerosols |
| 14.3. Transport hazard class(es) | |
| Hazard identification number | |
| Class | 2 |
| Classification code | 5F |
| 14.4. Packing group | |
| | Publication date: 2018-03-15 |
| | |
| | |

| / | |
|--|---|
| Packing group | |
| Labels | 2.1 |
| 5. Environmental hazards | |
| Environmentally hazardous substance mark | yes |
| .6. Special precautions for user | |
| Special provisions | 190 |
| Special provisions | 327 |
| Special provisions | 344 |
| | 625 |
| Special provisions | |
| Limited quantities | Combination packagings: not more than 1 liter per inner packaging fo liquids. A package shall not weigh more than 30 kg. (gross mass) |
| (RID) | |
| 1. UN number | |
| UN number | 1950 |
| 2. UN proper shipping na <mark>me</mark> | |
| Proper shipping name | Aerosols |
| 3. Transport hazard class(es) | |
| Hazard identification number | 23 |
| Class | 2 |
| Classification code | 5F |
| | pi |
| 4. Packing group | |
| Packing group | |
| Labels | 2.1 |
| 5. Environmental hazards | |
| Environmentally hazardous substance mark | yes |
| 6. Special precautions for user | |
| Special provisions | 190 |
| Special provisions | 327 |
| Special provisions | 344 |
| | |
| Special provisions | 625 |
| Limited quantities | Combination packagings: not more than 1 liter per inner packaging for liquids. A package shall not weigh more than 30 kg. (gross mass) |
| 1. UN number | 1950 |
| 2. UN proper shipping name | |
| Proper shipping name | Aerosols |
| 3. Transport hazard class(es) | |
| Class | 2 |
| Classification code | 5F |
| 4. Packing group | |
| Packing group | |
| Labels | 2.1 |
| 5. Environmental hazards | |
| Environmentally hazardo <mark>us substance mark</mark> | ves |
| 6. Special precautions for user |) ••• |
| Special provisions | 190 |
| Special provisions Special provisions | 327 |
| | |
| Special provisions | 344 |
| Special provisions | 625 |
| Limited quantities | Combination packagings: not more than 1 liter per inner packaging for liquids. A package shall not weigh more than 30 kg. (gross mass) |
| MDG/IMSBC) | |
| 1. UN number | |
| UN number | 1950 |
| 2. UN proper shipping name | |
| | Aerosols |
| Proper shipping name | |
| 3. Transport hazard class(es) | 64 |
| Class | 2.1 |
| 4. Packing group | |
| Packing group | |
| Labels | 2.1 |
| 5. Environmental hazards | |
| Marine pollutant | P |
| Environmentally hazardous substance mark | ves |
| | lycs |
| 5. Special precautions for user | |
| | Publication date: 2018-03-15 |
| | |
| | |
| umber: 0000 | Product number: 59075 |
| | |

| Special provisions | | 63 |
|--|------------------------------------|--|
| Special provisions | | 190 |
| Special provisions | | 277 |
| Special provisions | | 327 |
| Special provisions | | 344 |
| Special provisions | | 381 |
| Special provisions | | 959 |
| Limited quantities | | Combination packagings: not more than 1 liter per inner packaging for liquids. A package shall not weigh more than 30 kg. (gross mass) |
| 14.7. Transport in bulk according to A | annex II of Marpol and the IBC Cod | e |
| Annex II of MARPOL 73/78 | | Not applicable |
| ir (ICAO-TI/IATA-DGR) | | |
| 14.1. UN number | | |
| UN number | | 1950 |
| 14.2. UN proper shipping name | | 1550 |
| Proper shipping name | | Aerosols, flammable |
| 14.3. Transport hazard class(es) | | |
| Class | | 2.1 |
| 14.4. Packing group | | |
| Packing group | | |
| Labels | | 2.1 |
| 14.5. Environmental hazards | | |
| Environmentally hazardous subst | ance mark | yes |
| 14.6. Special precautions for user | | |
| Special provisions | | A145 |
| Special provisions | | A167 |
| Special provisions | | A802 |
| Limited quantities: maximum net | quantity per packaging | 30 kg G |

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 | |
|-------------|--|--------|--|
| 82.00 % | | | |
| 659.600 g/l | | | |

Ingredients according to Regulation (EC) No 648/2004 and amendments

≥30% aliphatic hydrocarbons

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.

| | Designation of the substance, of the group of substances or of the mixture | Conditions of restriction |
|---------------------|---|---|
| • pentane | and 2, 2.14 categories 1 and 2, 2.15 types A to F; (b) hazard classes 3.1 to 3.6, 3.7 adverse | can be used as fuel in decorative oil lamps for supply to the general public, and, present an aspiration hazard and are labelled with R65 or H304, 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). S. 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: a) lamp oils, labelled with R65 or H304, intended for supply to the general public are visibly, 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"; 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"; 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 |
| | | Publication date: 2018-03-15 |
| vision number: 0000 | | Product number: 59075 11 / 13 |

All In One Genius Spray 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. pentane Substances classified as flammable gases 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 category 1 or 2, flammable liquids categories 1, 2 or 3, flammable solids category 1 or 2, purposes such as the following: metallic glitter intended mainly for decoration, ubstances and mixtures which, in contact with water, emit flammable gases, category 1, artificial snow and frost, 2 or 3, pyrophoric liquids category 1 or "whoopee" cushions, pyrophoric solids category 1, regardless of silly string aerosols, whether they appear in Part 3 of Annex VI to imitation excrement, that Regulation or not. horns for parties, decorative flakes and foams, artificial cobwebs. stink bombs. 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: "For professional users only". 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 narket unless they conform to the requirements indicated. National legislation Belgium All In One Genius Spray No data available National legislation The Netherlands All In One Genius Spray Waterbezwaarlijkheid A (2) National legislation France All In One Genius Spray No data available National legislation Germany All In One Genius Spray 2: Classification water polluting based on the components in compliance with Verwaltungsvorschrift wassergefährdender WGK Stoffe (VwVwS) of 27 July 2005 (Anhang 4) and Verordnung über Anlagen zum Umgang mit wassergefährdenden Stoffen (AwSV) of 18 April 2017 pentane 5.2.5;1 TA-Luft TRGS900 - Risiko der P<mark>entan; Y; Risiko der Fruchtsch</mark>ädigung braucht bei Einhaltung des Arbeitsplatzgrenzwertes und des biologischen Fruchtschädigung <mark>Grenzwertes nicht befürchtet</mark> zu werden National legislation United Kingdom All In One Genius Spray No data available Other relevant data All In One Genius Spray No data available 15.2. Chemical safety assessment No chemical safety assessment has been conducted for the mixture. SECTION 16: Other information Full text of any H-statements referred to under heading 3: H222 Extremely flammable aerosol. H225 Highly flammable liquid and vapour. H229 Pressurised container: May burst if heated. H280 Contains gas under pressure; may explode if heated. H304 May be fatal if swallowed and enters airways. H336 May cause drowsiness or dizziness. H411 Toxic to aquatic life with long lasting effects. INTERNAL CLASSIFICATION BY BIG (*) CLP (EU-GHS) Classification, labelling and packaging (Globally Harmonised System in Europe) Publication date: 2018-03-15 Revision number: 0000 Product number: 59075 12/13

| DMEL | Derived Minimal Effect Level |
|-------|--|
| DNEL | Derived No Effect Level |
| EC50 | Effect Concentration 50 % |
| ErC50 | EC50 in terms of reduction of growth rate |
| LC50 | Lethal Concentration 50 % |
| LD50 | Lethal Dose 50 % |
| NOAEL | No Observed Adverse Effect Level |
| NOEC | No Observed Effect Concentration |
| OECD | Organisation for Economic Co-operation and Development |
| PBT | Persistent, Bioaccumulative & Toxic |
| PNEC | Predicted No Effect Concentration |
| STP | Sludge Treatment Process |
| vPvB | very Persistent & very Bioaccumulative |
| | |

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 head been elaborated for use within the European Union, Switzerland, Iceland, Norway and Lichtenstein. It may be consulted in other countries, where local legislation with regards to the set-up of safety data sheets will take precedence. It is your obligation to verify and apply such local legislation. 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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