

Safety Data Sheet

acc. to OSHA HCS

Printing date 06/11/2018

Reviewed on 06/11/2018

1 Identification

- **Product identifier**
- **Trade name:** BSPPG No. 6039 & No.6151 Pressure Washer Pump Saver (aerosol)
- **Application of the substance / the mixture**
Lubricant
Corrosion inhibitors
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
BRIGGS & STRATTON CORPORATION
12301 West Wirth Street, Wauwatosa, WI 53222
Cortec Corporation
4119 White Bear Parkway
St. Paul, MN 55110 USA
Phone (651) 429-1100
Fax (651) 429-1122
- **Information department:** compliance@cortecvci.com
- **Emergency telephone number:**
Spill, Leak, Fire, Exposure, or Accident
24 hour CHEMTREC contact:
USA and Canada 1-800-424-9300
International +1-703-527-3887 (collect calls accepted)

2 Hazard(s) identification

- **Classification of the substance or mixture**



GHS02 Flame

Flam. Aerosol 1 H222 Extremely flammable aerosol.



GHS04 Gas cylinder

Press. Gas H280 Contains gas under pressure; may explode if heated.

- **Label elements**

- **GHS label elements** The product is classified and labeled according to the Globally Harmonized System (GHS).

- **Hazard pictograms**



GHS02



GHS04

- **Signal word** Danger

- **Hazard statements**

Extremely flammable aerosol.
Contains gas under pressure; may explode if heated.

- **Precautionary statements**

Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
Do not spray on an open flame or other ignition source.
Pressurized container: Do not pierce or burn, even after use.
Protect from sunlight. Store in a well-ventilated place.

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- Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.
- **Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

3 Composition/information on ingredients

- **Chemical characterization: Mixtures**
- **Description:** Mixture of the substances listed below with nonhazardous additions.

- **Dangerous components:**

| | | |
|------------------------------------|--|-----------|
| CAS: 75-28-5 EINECS: 200-857-2 | 2-methylpropane ⚠ Flam. Gas 1, H220; ⚠ Press. Gas, H280 | 10-25% |
| CAS: 74-98-6 EINECS: 200-827-9 | propane liquefied ⚠ Flam. Gas 1, H220; ⚠ Press. Gas, H280 | 10-25% |
| CAS: 111-76-2 EINECS: 203-905-0 | butyl cellosolve ⚠ Acute Tox. 4, H302; Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2A, H319; Flam. Liq. 4, H227 | ≥2.5-<10% |

- **Additional information**

In accordance with paragraph (i) of the OSHA Hazard Communication Standard (29 CFR 1910.1200), the specific chemical identity and/or exact percentage composition has been withheld as a trade secret.
For the wording of the listed hazard phrases refer to section 16.

4 First-aid measures

- **Description of first aid measures**
- **After inhalation** Supply fresh air; consult doctor in case of complaints.
- **After skin contact**
Immediately wash with water and soap and rinse thoroughly.
If skin irritation continues, consult a doctor.
- **After eye contact** Rinse opened eye for several minutes under running water.
- **After swallowing**
If swallowed, do not induce vomiting; seek medical advice immediately and show this container or label
- **Information for doctor** Show this safety data sheet to the doctor in attendance.
- **Most important symptoms and effects, both acute and delayed**
The symptoms and effects are as expected from the hazards shown in section 2. No specific product related symptoms are known.
- **Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

5 Fire-fighting measures

- **Extinguishing media**
- **Suitable extinguishing agents** Use fire fighting measures that suit the environment.
- **Special hazards arising from the substance or mixture**
In certain fire conditions, traces of other toxic gases cannot be excluded.
- **Advice for firefighters** Self-contained breathing apparatus

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- **Protective equipment:**
Wear self-contained respiratory protective device.
Wear fully protective suit.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**



Wear protective equipment. Keep unprotected persons away.

Ensure adequate ventilation

Keep away from ignition sources

- **Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:** Ensure adequate ventilation.
- **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.

7 Handling and storage

- **Handling**
- **Precautions for safe handling** Ensure good ventilation/exhaustion at the workplace.
- **Information about protection against explosions and fires:**
Pressurized 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.
Use explosion-proof apparatus / fittings and spark-proof tools.
Do not spray on a naked flame or any incandescent material.
- **Conditions for safe storage, including any incompatibilities**
- **Storage**
- **Requirements to be met by storerooms and receptacles:**
Store only in the original receptacle.
Observe official regulations on storing packagings with pressurized containers.
- **Information about storage in one common storage facility:**
Store away from foodstuffs.
Store away from oxidizing agents.
- **Further information about storage conditions:**
Keep receptacle tightly sealed.
Protect from heat and direct sunlight.
- **Storage class 2 B**
- **Specific end use(s)** No further relevant information available.

8 Exposure controls/personal protection

- **Control parameters**

- **Components with limit values that require monitoring at the workplace:**

57-55-6 propylene glycol (50-100%)

WEEL Long-term value: 10 mg/m³

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75-28-5 2-methylpropane (10-25%)

| | |
|-----|---|
| TLV | Short-term value: 2370 mg/m ³ , 1000 ppm (EX) |
|-----|---|

74-98-6 propane liquefied (10-25%)

| | |
|-----|--|
| PEL | Long-term value: 1800 mg/m ³ , 1000 ppm |
| REL | Long-term value: 1800 mg/m ³ , 1000 ppm |
| TLV | refer to Appendix F in TLVs & BEIs book; D, EX |

111-76-2 butyl cellosolve (≥2.5-<10%)

| | |
|-----|---|
| PEL | Long-term value: 240 mg/m ³ , 50 ppm Skin |
| REL | Long-term value: 24 mg/m ³ , 5 ppm Skin |
| TLV | Long-term value: 97 mg/m ³ , 20 ppm BEI |

· **Ingredients with biological limit values:**

111-76-2 butyl cellosolve (≥2.5-<10%)

| | |
|-----|--|
| BEI | 200 mg/g creatinine Medium: urine Time: end of shift Parameter: Butoxyacetic acid with hydrolysis |
|-----|--|

- **Additional information:** The lists that were valid during the creation were used as basis.
- **Exposure controls** Use local exhaust ventilation to control airborne concentrations below exposure limits.
- **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.
- **Breathing equipment:**



Use suitable respiratory protective device in case of insufficient ventilation.

Use suitable respiratory protective device in case of insufficient ventilation.

Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU). To determine the appropriate type of respiratory protection that should be used, a hazard assessment should be performed prior to using the product. Environmental conditions such as ventilation and other contaminants may affect the type of respiratory protection that is chosen.

· **Protection of hands:**

Protective gloves
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

· **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.

· **Protective Gloves** I.E., Nitrile, Viton, Neoprene

· **Eye protection:** Tightly sealed goggles.

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· **Body protection:** Protective work clothing.

9 Physical and chemical properties

· Information on basic physical and chemical properties

· General Information

· Appearance:

· **Form:** Aerosol

· **Color:** Clear

· **Odor:** Mild

· **Odor threshold:** Not determined.

· **pH-value:** Not determined.

· Change in condition

· **Melting point/Melting range:** undetermined

· **Boiling point/Boiling range:** -44.5 °C (-48.1 °F) (*)

· **Flash point:** Not applicable, as aerosol

· **Flammability (solid, gaseous)** Not applicable.

· **Ignition temperature:** 240 °C (464 °F) (*)

· **Decomposition temperature:** Not determined.

· **Auto igniting:** Product is not selfigniting.

· **Danger of explosion:** Not determined.

· Explosion limits:

· **Lower:** 1.7 Vol % (*)

· **Upper:** 12.6 Vol % (*)

· **Vapor pressure at 20 °C (68 °F):** 8,300 hPa (6,225.5 mm Hg) (*)

· **Density at 20 °C (68 °F):** 1.01-1.03 g/cm³ (8.4-8.6 lbs/gal)

· **Relative density** Not determined.

· **Vapor density** Not determined.

· **Evaporation rate** Not applicable.

· Solubility in / Miscibility with

· **Water:** Partly miscible

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

· Viscosity:

· **dynamic:** Not determined.

· **kinematic:** Not determined.

· Other information

The above data are typical values and do not constitute a specification.

*Properties have been calculated.

10 Stability and reactivity

· **Reactivity** No further relevant information available.

· **Chemical stability** Stable under recommended storage conditions

· **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.

· **Possibility of hazardous reactions** No dangerous reactions known

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- **Conditions to avoid** High temperatures, sparks, and open flames.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known

11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**

- **LD/LC50 values that are relevant for classification:**

111-76-2 butyl cellosolve

| | | |
|------------|----------|---|
| Oral | LD50 | 320 mg/kg (Rabbit) 1,784 mg/kg (Rat) |
| Dermal | LD50 | >2,000 mg/kg (Guinea Pig) 435 mg/kg (Rabbit) |
| Inhalative | LC50/4 h | 450 mg/l (Rat) |

- **Primary irritant effect:**
- **on the skin:** No irritant effect.
- **on the eye:** No irritating effect.
- **Sensitization:** No sensitizing effects known.
- **Additional toxicological information:**

- **Carcinogenic categories**

- **IARC (International Agency for Research on Cancer)**

111-76-2 butyl cellosolve

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- **NTP (National Toxicology Program)**

None of the ingredients is listed.

- **OSHA-Ca (Occupational Safety & Health Administration)**

None of the ingredients is listed.

12 Ecological information

- **Toxicity**

- **Aquatic toxicity:**

111-76-2 butyl cellosolve

| | |
|------------|------------------------------|
| LC50/ 96 h | >0.28 mg/l (Fish) (96 hours) |
|------------|------------------------------|

- **Persistence and degradability** No further relevant information available.
- **Behavior in environmental systems:**
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

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13 Disposal considerations

- **Waste treatment methods**
- **Recommendation** Dispose of in accordance with local, state, and federal regulations.
- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.
- **Recommended cleansing agent:** Water, if necessary with cleansing agents.

14 Transport information

| | |
|--|--|
| <ul style="list-style-type: none"> · UN-Number · DOT, ADR, IMDG, IATA | UN1950 |
| <ul style="list-style-type: none"> · UN proper shipping name · DOT · ADR · IMDG · IATA | Aerosols, flammable 1950 Aerosols AEROSOLS AEROSOLS, flammable |
| <ul style="list-style-type: none"> · Transport hazard class(es) · DOT | <div style="text-align: center;">  </div> |
| <ul style="list-style-type: none"> · Class · Label | 2.1 2.1 |
| <ul style="list-style-type: none"> · ADR | <div style="text-align: center;">  </div> |
| <ul style="list-style-type: none"> · Class · Label | 2 5F Gases 2.1 |
| <ul style="list-style-type: none"> · IMDG, IATA | <div style="text-align: center;">  </div> |
| <ul style="list-style-type: none"> · Class · Label | 2.1 2.1 |
| <ul style="list-style-type: none"> · Packing group · DOT, ADR, IMDG, IATA | Void |
| <ul style="list-style-type: none"> · Environmental hazards: | Not applicable. |
| <ul style="list-style-type: none"> · Special precautions for user · Danger code (Kemler): · EMS Number: · Stowage Code | Warning: Gases - F-D,S-U SW1 Protected from sources of heat. SW22 For AEROSOLS with a maximum capacity of 1 litre: |

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| | |
|--|--|
| <ul style="list-style-type: none"> · Segregation Code | 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. |
| <ul style="list-style-type: none"> · Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code | Not applicable. |
| <ul style="list-style-type: none"> · Transport/Additional information: | |
| <ul style="list-style-type: none"> · ADR · Excepted quantities (EQ) | Code: E0 Not permitted as Excepted Quantity |
| <ul style="list-style-type: none"> · IMDG · Limited quantities (LQ) · Excepted quantities (EQ) | 1L Code: E0 Not permitted as Excepted Quantity |
| <ul style="list-style-type: none"> · UN "Model Regulation": | UN 1950 AEROSOLS, 2.1 |

15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Sara**

- **SARA Section 355 (extremely hazardous substances)**

None of the ingredients is listed.

- **SARA Section 313 (specific toxic chemical listings)**

111-76-2 butyl cellosolve

- **TSCA (Toxic Substances Control Act) (Substances not listed)**

All ingredients are listed.

- **Proposition 65**

- **Prop 65 - Chemicals known to cause cancer**

None of the ingredients is listed.

- **Chemicals known to cause reproductive toxicity for females**

None of the ingredients is listed.

- **Chemicals known to cause reproductive toxicity for males**

None of the ingredients is listed.

- **Chemicals known to cause developmental toxicity**

None of the ingredients is listed.

- **Carcinogenicity categories**

- **EPA (Environmental Protection Agency)**

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· NIOSH-Ca (National Institute for Occupational Safety and Health)

None of the ingredients is listed.

· Canadian Domestic Substances List (DSL) (Substances not listed)

All ingredients are listed.

· Philippines Inventory of Chemicals and Chemical Substances (Substances not listed)

primary amine carboxylate

· Chinese Chemical Inventory of Existing Chemical Substances (Substances not listed)

All ingredients are listed.

· Australian Inventory of Chemical Substances (Substances not listed)

All ingredients are listed.

· New Zealand Inventory of Chemicals (Substances not listed)

All ingredients are listed.

· Existing Chemical Substances (Substances not listed)

All ingredients are listed.

· GHS label elements The product is classified and labeled according to the Globally Harmonized System (GHS).

· Hazard pictograms


GHS02 GHS04

· Signal word Danger

· Hazard statements

Extremely flammable aerosol.

Contains gas under pressure; may explode if heated.

· Precautionary statements

Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

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

Pressurized container: Do not pierce or burn, even after use.

Protect from sunlight. Store in a well-ventilated place.

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

· National regulations
· Technical instructions (air):

| Class | Share in % |
|--------|------------|
| Wasser | ≥2.5-<10 |
| NK | 50-100 |

· Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

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.

Cortec Corporation does not warranty any translation of this SDS not created by Cortec Corporation.

· Date of preparation / last revision 06/11/2018 / 1

· Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

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IMDG: International Maritime Code for Dangerous Goods
DOT: US Department of Transportation
IATA: International Air Transport Association
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)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
NIOSH: National Institute for Occupational Safety
OSHA: Occupational Safety & Health
TLV: Threshold Limit Value
PEL: Permissible Exposure Limit
REL: Recommended Exposure Limit
BEI: Biological Exposure Limit
Flam. Gas 1: Flammable gases – Category 1
Flam. Aerosol 1: Aerosols – Category 1
Press. Gas: Gases under pressure – Compressed gas
Flam. Liq. 4: Flammable liquids – Category 4
Acute Tox. 4: Acute toxicity – Category 4
Skin Irrit. 2: Skin corrosion/irritation – Category 2
Eye Irrit. 2A: Serious eye damage/eye irritation – Category 2A

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

USA