

# Safety Data Sheet



Revision Date 24-Jan-2017  
Version 1.05

## 1. Identification of the substance/mixture and of the company/undertaking

### 1.1 Product identifier

**Product name** Browning Treatment

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

**Recommended Use** Professional Carpet Cleaning

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

**Supplier** Legend Brands Europe  
Chemspec  
22 Plover Close Interchange Park  
Newport Pagnell MK16 9PS, UK  
+44 (0) 1908 611211

**Manufacturer** Legend Brands  
Chemspec  
15180 Josh Wilson Road  
Burlington, WA 98233  
800-932-3030

For further information, please contact: [msds@chemspecworld.com](mailto:msds@chemspecworld.com)

### 1.4 Emergency telephone number

**Emergency telephone number** INFOTRAC 1-800-535-5053 (North America)  
1-352-323-3500 (International)

<b>Europe</b>	112
<b>Austria</b>	+43 1 406 43 43
<b>Belgium</b>	Poison center (BE): +32 70 245 245
<b>Denmark</b>	Poison Control Hotline (DK): +45 82 12 12 12
<b>Finland</b>	Poison Information Centre (FI): +358 9 471 977
<b>France</b>	ORFILA (FR): + 01 45 42 59 59
<b>Germany</b>	Poison Center Berlin (DE): +49 030 30686 790 Poison Center Nord: +49 551 19240 (24h available English / German)
<b>Ireland</b>	National Poisons Information Centre (IE): +353 1 8379964 / + 353 1 8092566
<b>Iceland</b>	+354 543 2222
<b>Italy</b>	Poison Center, Milan (IT): +39 02 6610 1029
<b>Luxembourg</b>	112
<b>Netherlands</b>	National Poisons Information Center (NL): +31 30 274 88 88 (NB: this service is only available to health professionals)
<b>Norway</b>	Poisons Information (NO): + 47 22 591300
<b>Portugal</b>	Poison Information Center (PT): +351 21 330 3284
<b>Spain</b>	Poison Information Service (ES): +34 91 562 04 20
<b>Sweden</b>	Poisons Information Center (SV): +46 8 33 12 31
<b>Switzerland</b>	Poison Center: Tel 145; +41 44 251 51 51
<b>United Kingdom</b>	111

## 2. Hazards identification

**2.1 Classification of the substance or mixture**

REGULATION (EC) No 1272/2008

Serious eye damage/eye irritation

Category 2 - (H319)

**2.2 Label elements****Signal Word**

Warning

**Hazard Statements**

H319 - Causes serious eye irritation

EUH031 - Contact with acids liberates toxic gas

**2.3. Other Hazards**

No information available

**3. Composition/information on ingredients****3.1 Substances**

This product is a mixture. Health hazard information is based on its components.

**3.2 Mixtures**

Chemical Name	EC-No	CAS-No	Weight %	Classification (1272/2008/EC)	REACH Registration Number
SODIUM METABISULFITE	231-673-0	7681-57-4	1 - 2.5	Acute Tox. 4 (H302) Eye Dam. 1 (H318) (EUH031)	no data available

**For the full text of the H-Statements mentioned in this Section, see Section 16****4. First Aid Measures****4.1 Description of first-aid measures**

<b>General advice</b>	Show this safety data sheet to the doctor in attendance.
<b>Inhalation</b>	Move to fresh air.
<b>Skin contact</b>	Wash off immediately with soap and plenty of water. Remove all contaminated clothes and shoes.
<b>Eye contact</b>	Remove contact lenses, if present. Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
<b>Ingestion</b>	Gently wipe or rinse the inside of the mouth with water.

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

**Symptoms** No information available.

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

**Notes to physician** Treat symptomatically.

### **5. Fire-Fighting Measures**

#### **5.1 Extinguishing media**

**Suitable extinguishing media**

Water spray, Foam, Dry powder.

**Extinguishing media which shall not be used for safety reasons**

No information available.

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

No information available.

#### **5.3 Advice for firefighters**

In the event of fire, wear self-contained breathing apparatus.

### **6. Accidental Release Measures**

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

**Personal precautions**

Use personal protective equipment.

**Advice for emergency responders**

For personal protection see section 8.

#### **6.2 Environmental precautions**

Dike to collect large liquid spills. See Section 12 for additional Ecological information.

#### **6.3 Methods and materials for containment and cleaning up**

**Methods for Containment**

Prevent further leakage or spillage if safe to do so.

**Methods for cleaning up**

Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see Section 13).

#### **6.4 Reference to other sections**

See section 8 for more information.

### **7. Handling and storage**

#### **7.1 Precautions for safe handling**

**Advice on safe handling**

Wear personal protective equipment.

**Hygiene measures**

When using, do not eat, drink or smoke.

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

**Storage Conditions**

Use only in area provided with appropriate exhaust ventilation. Keep tightly closed in a dry and cool place.

**7.3 Specific end uses****Specific use(s)**

No information available

**Exposure scenario**

No information available.

**8. Exposure controls/personal protection****8.1 Control parameters****Exposure Limit Values**

Chemical Name	European Union	Austria	Belgium	Denmark	Finland	France
SODIUM METABISULFITE 7681-57-4			TWA: 5 mg/m <sup>3</sup>	TWA: 5 mg/m <sup>3</sup>		TWA: 5 mg/m <sup>3</sup>
Chemical Name	Germany	Iceland	Ireland	Italy	Luxembourg	The Netherlands
SODIUM METABISULFITE 7681-57-4		TWA: 5 mg/m <sup>3</sup> Ceiling: 10 mg/m <sup>3</sup>	TWA: 5 mg/m <sup>3</sup> STEL: 15 mg/m <sup>3</sup>	TWA: 5 mg/m <sup>3</sup>		
Chemical Name	Norway	Portugal	Spain	Sweden	Switzerland	The United Kingdom
SODIUM METABISULFITE 7681-57-4	TWA: 5 mg/m <sup>3</sup> STEL: 10 mg/m <sup>3</sup>	TWA: 5 mg/m <sup>3</sup>	TWA: 5 mg/m <sup>3</sup>		TWA: 5 mg/m <sup>3</sup>	STEL: 15 mg/m <sup>3</sup> TWA: 5 mg/m <sup>3</sup>

TWA:

STEL:

LLV:

STV:

Time weighted average

Short term exposure limit

Exposure Limit Values

Short Term Value

**Derived No Effect Level (DNEL)**

No information available

**Predicted No Effect Concentration (PNEC)**

No information available

**8.2 Exposure controls****Engineering Measures**

Ensure adequate ventilation, especially in confined areas.

**Personal protective equipment****Eye/Face Protection**

Safety glasses with side-shields.

**Hand Protection**

Rubber/latex/neoprene or other suitable chemical resistant gloves.

**Skin and body protection**

Long sleeved clothing.

**Respiratory protection**

In case of insufficient ventilation wear suitable respiratory equipment.

**Hygiene measures**

When using, do not eat, drink or smoke.

**Environmental Exposure Controls**

No information available.

## 9. Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

<b>Physical state</b>	Liquid
<b>Appearance</b>	Clear
<b>Color</b>	Colorless
<b>Odor</b>	Sulphurous
<b>Odor Threshold</b>	No information available

<u>Property</u>	<u>Values</u>	<u>Remarks</u>
<b>pH</b>	3.9	
<b>Melting/freezing point</b>		No information available
<b>Boiling point/boiling range</b>		No information available
<b>Flash Point</b>	Not applicable	
<b>Evaporation rate</b>	no data available	No information available
<b>Flammability (solid, gas)</b>		No information available
<b>Flammability Limits in Air</b>		
upper flammability limit		No information available
lower flammability limit		No information available
<b>Vapor pressure</b>		No information available
<b>Vapor density</b>		No information available
<b>Specific Gravity</b>	1.02	
<b>Water solubility</b>	completely soluble	
<b>Solubility in other solvents</b>		No information available
<b>Partition coefficient</b>		No information available
<b>Autoignition temperature</b>		No information available
<b>Decomposition temperature</b>		No information available
<b>Viscosity, kinematic</b>		No information available
<b>Viscosity, dynamic</b>		No information available
<b>Explosive properties</b>		No information available
<b>Oxidizing Properties</b>		No information available

### 9.2 Other information

**Volatile organic compounds (VOC) content** None

## 10. Stability and Reactivity

### 10.1 Reactivity

No information available.

### 10.2 Chemical stability

Stable under normal conditions

### 10.3 Possibility of hazardous reactions

No information available.

### 10.4 Conditions to Avoid

Direct sources of heat.

### 10.5 Incompatible Materials

Strong oxidizing agents

### 10.6 Hazardous Decomposition Products

Carbon dioxide (CO<sub>2</sub>), carbon monoxide (CO), oxides of nitrogen (NO<sub>x</sub>), dense black smoke.

## 11. Toxicological information

### 11.1 Information on toxicological effects

#### Acute toxicity

##### Product Information

The product itself has not been tested.

<b>Inhalation</b>	There are no data available for this product.
<b>Eye contact</b>	There are no data available for this product.
<b>Skin contact</b>	There are no data available for this product.
<b>Ingestion</b>	There are no data available for this product.

The following values are calculated based on chapter 3.1 of the GHS document

**ATEmix (oral)** 54,052.00 mg/kg

##### Unknown Acute Toxicity

- < 1% of the mixture consists of ingredient(s) of unknown toxicity
- < 1 % of the mixture consists of ingredient(s) of unknown acute oral toxicity
- < 1 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity
- < 1 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas)
- < 1 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor)
- < 1 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist)

<b>Skin corrosion/irritation</b>	No information available.
<b>Serious eye damage/eye irritation</b>	May cause eye irritation.
<b>Respiratory or skin sensitization</b>	No information available.
<b>Germ cell mutagenicity</b>	No information available.
<b>Carcinogenicity</b>	No information available.
<b>Reproductive toxicity</b>	No information available.
<b>Specific target organ systemic toxicity (single exposure)</b>	No information available.
<b>Specific target organ systemic toxicity (repeated exposure)</b>	No information available.
<b>Target Organs</b>	Eyes. Respiratory system. Skin.
<b>Aspiration hazard</b>	No information available.

## 12. Ecological information

### 12.1 Toxicity

< 1 % of the mixture consists of components(s) of unknown hazards to the aquatic environment

#### Ecotoxicity effects

No information available

Chemical Name	Toxicity to algae	Toxicity to fish	Toxicity to daphnia and other

Browning Treatment

SODIUM METABISULFITE	EC50: 72 h Desmodesmus subspicatus 48 mg/L EC50: 96 h Desmodesmus subspicatus 40 mg/L	LC50: 96 h Lepomis macrochirus 32 mg/L static	aquatic invertebrates
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**12.2 Persistence and degradability**

No information available.

**12.3 Bioaccumulative potential**

No information available.

Chemical Name	log Pow
SODIUM METABISULFITE	-3.7

**12.4 Mobility in soil**

**Mobility in soil**

No information available.

**Mobility**

No information available.

**12.5 Results of PBT and vPvB assessment**

No information available.

**12.6 Other adverse effects.**

No information available.

**13. Disposal Considerations**

**13.1 Waste treatment methods**

**Waste from residues / unused products** If recycling is not practicable, dispose of in compliance with local regulations.

**Contaminated packaging** Empty containers should be taken to an approved waste handling site for recycling or disposal.

**Other information** According to the European Waste Catalog, Waste Codes are not product specific, but application specific.

**14. Transport Information**

**ADR**

- 14.1 UN -
- 14.2 Proper shipping name -
- 14.3 Hazard class -
- 14.4 Packing Group -
- 14.5 Environmental hazard -
- 14.6 Special Provisions -

**IMDG**

- 14.1 UN 2693
- 14.2 Proper shipping name 2693 - Bisulphites, aqueous solution, n.o.s (SODIUM METABISULFITE)
- 14.3 Hazard class 8

<b>14.4 Packing Group</b>	III
<b>14.5 Marine pollutant</b>	Not applicable
<b>Environmental hazard</b>	-
<b>14.6 Special Provisions</b>	None
<b>14.7 Transport in bulk according to MARPOL 73/78 and the IBC Code</b>	No information available

**IATA**

<b>14.1 UN</b>	Air transport is not recommended.
<b>14.2 Proper shipping name</b>	-
<b>14.3 Hazard class</b>	-
<b>14.4 Packing Group</b>	-
<b>14.5 Environmental hazard</b>	-
<b>14.6 Special Provisions</b>	-

## 15. Regulatory information

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

**National regulatory information****Germany**

Chemical Name	French RG number	Title
SODIUM METABISULFITE 7681-57-4	RG 66	-

**European Union**

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work

**Authorizations and/or restrictions on use:**

This product does not contain substances subject to authorization (Regulation (EC) No. 1907/2006 (REACH), Annex XIV)

This product does not contain substances subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII)

**Persistent Organic Pollutants**

Not applicable

**International Inventories**

<b>TSCA</b>	Complies
<b>EINECS/ELINCS</b>	Complies
<b>DSL</b>	Complies
<b>PICCS</b>	Complies
<b>ENCS</b>	Complies
<b>IECSC</b>	Complies
<b>AICS</b>	Complies
<b>KECL</b>	Complies
<b>NZIoC</b>	Complies

**Legend**

**EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List

**PICCS** - Philippines Inventory of Chemicals and Chemical Substances

**ENCS** - Japan Existing and New Chemical Substances

**IECSC** - China Inventory of Existing Chemical Substances

**AICS** - Australian Inventory of Chemical Substances

**KECL** - Korean Existing and Evaluated Chemical Substances

**NZIoC** - New Zealand Inventory of Chemicals



## **15.2 Chemical Safety Assessment**

No information available

## **16. Other information**

### **Key or legend to abbreviations and acronyms used in the safety data sheet**

#### **Full text of H-Statements referred to under section 3**

H302 - Harmful if swallowed

H318 - Causes serious eye damage

EUH031 - Contact with acids liberates toxic gas

**Prepared By** Chemspec Regulatory Affairs/Product Safety

**Revision Date** 24-Jan-2017

**Revision Note** Not Applicable.

This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006.

#### **Disclaimer**

**The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.**

**End of Safety Data Sheet**