

BRITE-LIFE Drycleaning Detergent  
**SAFETY DATA SHEET**

ACCORDING TO EC-REGULATIONS 1907/2006 (REACH), 1272/2008 (CLP) & 453/2010

**1. SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**

<b>1.1 Product identifier</b>	
Product Name	BRITE-LIFE Drycleaning Detergent.
Product code	6709
CAS No.	Mixture.
EINECS No.	Mixture.
REACH Registration No.	None assigned.
<b>1.2 Relevant identified uses of the substance or mixture and uses advised against</b>	
Identified use(s)	Detergent for perchloroethylene or petroleum solvent.
Uses advised against	None known.
<b>1.3 Details of the supplier of the Safety Data Sheet</b>	
Company Identification	Fabritec International 8145 Holton Drive Suite 110 Florence, KY (Kentucky) 41042 USA.
Telephone	1-859-781-8200
Fax	1-859-781-8280
E-Mail (competent person)	Chemtrec@Chemtrec.com
<b>1.4 Emergency telephone number</b>	
Emergency Phone No.	CHEMTREC assistance: 1-703-741-5500 (USA)

**2. SECTION 2: HAZARDS IDENTIFICATION**

<b>2.1 Classification of the substance or mixture</b>	
<b>2.1.1 Regulation (EC) No. 1272/2008 (CLP)</b>	Skin Corr. 1B; Causes severe skin burns and eye damage. Skin Sens. 1; May cause an allergic skin reaction. STOT RE 1; Causes damage to organs through prolonged or repeated exposure: Central nervous system. Asp. Tox. 1; May be fatal if swallowed and enters airways. Aquatic Chronic 3; Harmful to aquatic life with long lasting effects.
<b>2.1.2 Directive 67/548/EEC &amp; Directive 1999/45/EC</b>	C; Causes burns. Xi; May cause sensitization by skin contact. Xn; Harmful: danger of serious damage to health by prolonged exposure through inhalation. Harmful: may cause lung damage if swallowed. Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

## BRITE-LIFE Drycleaning Detergent

### 2.2 Label elements

Product Name

Hazard Pictogram

According to Regulation (EC) No. 1272/2008 (CLP)  
BRITE-LIFE Drycleaning Detergent.



GHS05

GHS08

Signal word(s)

Hazard statement(s)

Danger.

H304: May be fatal if swallowed and enters airways.

H314: Causes severe skin burns and eye damage.

H317: May cause an allergic skin reaction.

H372: Causes damage to organs through prolonged or repeated exposure: Central nervous system.

H412: Harmful to aquatic life with long lasting effects.

Precautionary statement(s)

P260: Do not breathe vapour.

P301+P330+P331: IF SWALLOWED: rinse mouth. Do NOT induce vomiting.

P303 + P361 + P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310: Immediately call a POISON CENTER/doctor.

P405: Store locked up.

### 2.3 Other hazards

None.

### 2.4 Additional Information

None.

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### 3. SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

#### 3.1 Mixtures

EC Classification No. 1272/2008

Hazardous ingredient(s)	%W/W	CAS No.	EC No.	REACH Registration No.	Hazard pictogram(s) and Hazard statement(s)
Solvent naphtha (petroleum), medium aliph.	40 - 50	64742-88-7	265-191-7	None assigned	GHS08, STOT RE 1; H372, Asp. Tox. 1; H304
Dodecylbenzenesulphonic acid	<10	27176-87-0	248-289-4	None assigned	GHS05, Skin Corr. 1B; H314, GHS07, Acute Tox. 4; H302
2-methylpentane-2,4-diol	1 - 5	107-41-5	203-489-0	None assigned	GHS07, Skin Irrit. 2; H315, Eye Irrit. 2; H319
1-(2-carboxylatoethyl)-2-(heptadec-8-enyl)-4,5-dihydro-1-(2-hydroxyethyl)-1H-imidazolium	1 - 5	67892-37-9	267-569-7	None assigned	None
1-aminopropan-2-ol	<5	78-96-6	201-162-7	None assigned	GHS05, Skin Corr. 1B; H314

EC Classification No. 67/548/EEC

Hazardous ingredient(s)	%W/W	CAS No.	EC No.	REACH Registration No.	EC Classification and Risk Phrases
Solvent naphtha (petroleum), medium aliph.	40 - 50	64742-88-7	265-191-7	None assigned	Xn; R48/20, R65
Dodecylbenzenesulphonic acid	<10	27176-87-0	248-289-4	None assigned	C; R34, Xn; R22
2-methylpentane-2,4-diol	1 - 5	107-41-5	203-489-0	None assigned	Xi; R36/38
1-(2-carboxylatoethyl)-2-(heptadec-8-enyl)-4,5-dihydro-1-(2-hydroxyethyl)-1H-imidazolium	1 - 5	67892-37-9	267-569-7	None assigned	None
1-aminopropan-2-ol	<5	78-96-6	201-162-7	None assigned	C; R34

#### 3.2 Additional Information

For full text of H/P phrases see section 16.

### 4. SECTION 4: FIRST AID MEASURES



#### 4.1 Description of first aid measures

Inhalation

IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER/doctor.

Skin Contact

IF ON SKIN (or hair): Take off immediately all contaminated

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Eye Contact	clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse. Immediately call a POISON CENTER/doctor.
Ingestion	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor. IF SWALLOWED: rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER/doctor.
<b>4.2 Most important symptoms and effects, both acute and delayed</b>	Causes burns.
<b>4.3 Indication of any immediate medical attention and special treatment needed</b>	Unlikely to be required but if necessary treat symptomatically.

### 5. SECTION 5: FIRE-FIGHTING MEASURES

<b>5.1 Extinguishing Media</b>	Use water spray, foam, dry powder or CO2 to extinguish.
Suitable Extinguishing Media	None known.
Unsuitable Extinguishing Media	
<b>5.2 Special hazards arising from the substance or mixture</b>	Decomposes in a fire giving off toxic fumes: Sulphur, Oxides of carbon.
<b>5.3 Advice for fire-fighters</b>	Fire fighters should wear complete protective clothing including self-contained breathing apparatus.

### 6. SECTION 6: ACCIDENTAL RELEASE MEASURES

<b>6.1 Personal precautions, protective equipment and emergency procedures</b>	Ensure adequate ventilation. Avoid breathing vapours. Avoid contact with skin and eyes. Wear suitable eye/face protection.
<b>6.2 Environmental precautions</b>	Avoid release to the environment.
<b>6.3 Methods and material for containment and cleaning up</b>	Contain spillages with sand, earth or any suitable adsorbent material. Transfer to a container for disposal.
<b>6.4 Reference to other sections</b>	See Also Section 8, 13.

### 7. SECTION 7: HANDLING AND STORAGE

<b>7.1 Precautions for safe handling</b>	Provide adequate ventilation. Do not breathe vapour. Avoid contact with skin and eyes. Wear protective gloves/protective clothing/eye protection/face protection. Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace.
<b>7.2 Conditions for safe storage, including any incompatibilities</b>	Store locked up.
Storage Temperature	Ambient.
Storage Life	Stable under normal conditions.
Incompatible materials	None known.
<b>7.3 Specific end use(s)</b>	Detergent for perchloroethylene or petroleum solvent.





### 8. SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

- 8.1 Control parameters**  
**8.1.1 Occupational Exposure Limits**

## BRITE-LIFE Drycleaning Detergent

SUBSTANCE	CAS No.	LTEL (8 hr TWA ppm)	LTEL (8 hr TWA mg/m <sup>3</sup> )	STEL (ppm)	STEL (mg/m <sup>3</sup> )	Note
2-methylpentane-2,4-diol	107-41-5	25	123	25	123	WEL

WEL: Workplace Exposure Limit (UK HSE EH40)

- 8.1.2 Biological limit value** Not established.
- 8.1.3 PNECs and DNELs** Not established.
- 8.2 Exposure controls**
- 8.2.1 Appropriate engineering controls** Provide adequate ventilation. A washing facility/water for eye and skin cleaning purposes should be present.
- 8.2.2 Personal protection equipment**
- Eye/face protection  Wear eye protection with side protection (EN166).
- Skin protection (Hand protection/ Other)  Wear impervious gloves (EN374).
- Respiratory protection  A suitable mask with filter type A (EN14387 or EN405) may be appropriate.
- Thermal hazards  Not applicable.
- 8.2.3 Environmental Exposure Controls** Avoid release to the environment.

## 9. SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

- 9.1 Information on basic physical and chemical properties**
- |  |                           |
|--|---------------------------|
| Appearance                                   | Liquid.                   |
| Colour                                       | Light amber.              |
| Odour  | Perfumed.                 |
| Odour Threshold                              | Not established.          |
| pH   | 6 – 8 @ 20°C              |
| Melting Point/Freezing Point                 | Not available.            |
| Initial boiling point and boiling range      | >180°C                    |
| Flash point                                  | 62°C (144°F) [Closed cup] |
| Evaporation rate                             | Not available.            |
| Flammability (solid, gas)                    | Non-flammable.            |
| Upper/lower flammability or explosive limits | Not applicable.           |
| Vapour pressure                              | Not available.            |
| Vapour density                               | Not available.            |
| Relative density                             | Not available.            |
| Density                                      | 0.94 @ 20°C               |
| Solubility(ies)                              | Immiscible with water.    |
| Partition coefficient: n-octanol/water       | Not applicable.           |
| Auto-ignition temperature                    | Not available.            |
| Decomposition Temperature                    | Not available.            |
| Viscosity                                    | Not available.            |

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Explosive properties	Not explosive.
Oxidising properties	Not oxidising.
<b>9.2 Other information</b>	
Solvent content	50%

**10. SECTION 10: STABILITY AND REACTIVITY**

<b>10.1 Reactivity</b>	Stable under normal conditions.
<b>10.2 Chemical stability</b>	Stable under normal conditions.
<b>10.3 Possibility of hazardous reactions</b>	Stable under normal conditions.
<b>10.4 Conditions to avoid</b>	None known.
<b>10.5 Incompatible materials</b>	None known.
<b>10.6 Hazardous Decomposition Product(s)</b>	Sulphur, Oxides of carbon.

**11. SECTION 11: TOXICOLOGICAL INFORMATION**

<b>11.1 Information on toxicological effects</b>	
<b>11.1.1 Mixtures</b>	
Acute toxicity	Low acute toxicity.
Irritation	Not classified.
Corrosivity	Skin Corr. 1B; Causes severe skin burns and eye damage.
Sensitisation	Skin Sens. 1; May cause an allergic skin reaction.
Repeated dose toxicity	STOT RE 1; Causes damage to organs through prolonged or repeated exposure: Central nervous system.
Carcinogenicity	No evidence of carcinogenicity.
Mutagenicity	There is no evidence of mutagenic potential.
Toxicity for reproduction	None anticipated.
Aspiration hazard	Asp. Tox. 1; May be fatal if swallowed and enters airways.
<b>11.2 Other information</b>	None.

**12. SECTION 12: ECOLOGICAL INFORMATION**

<b>12.1 Toxicity</b>	Aquatic Chronic 3; Harmful to aquatic life with long lasting effects.
<b>12.2 Persistence and degradability</b>	Not readily biodegradable.
<b>12.3 Bioaccumulative potential</b>	No information available.
<b>12.4 Mobility in soil</b>	Immiscible with water. The product is predicted to have low mobility in soil.
<b>12.5 Results of PBT and vPvB assessment</b>	Not classified as PBT or vPvB.
<b>12.6 Other adverse effects</b>	None.

**13. SECTION 13: DISPOSAL CONSIDERATIONS**

<b>13.1 Waste treatment methods</b>	Dispose at suitable refuse site.
<b>13.2 Additional Information</b>	Disposal should be in accordance with local, state or national legislation.

**14. SECTION 14: TRANSPORT INFORMATION**

Not classified as dangerous for transport.

<b>14.1 UN number</b>	Not applicable.
<b>14.2 UN Proper Shipping Name</b>	Not applicable.
<b>14.3 Transport hazard class(es)</b>	Not applicable.
<b>14.4 Packing Group</b>	Not applicable.
<b>14.5 Environmental hazards</b>	Not applicable.
<b>14.6 Special precautions for user</b>	Not applicable.

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**14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code** Not applicable.

**15. SECTION 15: REGULATORY INFORMATION**

- 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- 15.1.1 EU regulations**
- Authorisations and/or restrictions on use**
- Candidate List of Substances of Very High Concern for Authorisation All chemicals are not listed.
- REACH: ANNEX XIV List of substances subject to authorisation All chemicals are not listed.
- REACH: ANNEX XVII Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles All chemicals are not listed.
- Community Rolling Action Plan (CoRAP); Draft 04/11/2013 All chemicals are not listed.
- 15.1.2 National regulations** None known.
- 15.2 Chemical Safety Assessment** Not available.

**16. SECTION 16: OTHER INFORMATION**

The following sections contain revisions or new statements: 1-16.

**LEGEND**

LTEL	Long Term Exposure Limit
STEL	Short Term Exposure Limit
DNEL	Derived No Effect Level
PNEC	Predicted No Effect Concentration
PBT	Persistent, Bioaccumulative and Toxic
vPvB	very Persistent and very Bioaccumulative
Acute Tox. 4	Acute toxicity Category 4
Skin Corr. 1B	Skin corrosion/irritation Category 1B
Skin Sens. 1	Respiratory or skin sensitization Category 1
STOT RE 1	Specific target organ toxicity — repeated exposure Category 1
Asp. Tox. 1	Aspiration hazard Category 1
Aquatic Chronic 2	Hazardous to the aquatic environment Category 2
Aquatic Chronic 3	Hazardous to the aquatic environment Category 3
C	Corrosive
Xi	Irritant
Xn	Harmful

**Risk Phrases**

R22	Harmful if swallowed.
R34	Causes burns.
R65	Harmful: may cause lung damage if swallowed.
R36/38	Irritating to eyes and skin.
R48/20	Harmful: danger of serious damage to health by prolonged exposure through inhalation.







**Hazard statement(s) and Precautionary Statement(s)**

H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H314	Causes severe skin burns and eye damage.
H317	May cause an allergic skin reaction.

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H318	Causes serious eye damage.
H372	Causes damage to organs through prolonged or repeated exposure.
H411	Toxic to aquatic life with long lasting effects.
P264	Wash thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P272	Contaminated work clothing should not be allowed out of the workplace.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P310	Immediately call a POISON CENTER/doctor.
P363	Wash contaminated clothing before reuse.
P304 + P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.

### Hazard pictogram(s) and Hazard Symbol

GHS05		C	
GHS07		Xi	
GHS08		Xn	

### Disclaimers

Information contained in this publication or as otherwise supplied to Users is believed to be accurate and is given in good faith, but it is for the Users to satisfy themselves of the suitability of the product for their own particular purpose.

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### Annex to the extended Safety Data Sheet (eSDS)

No information available.