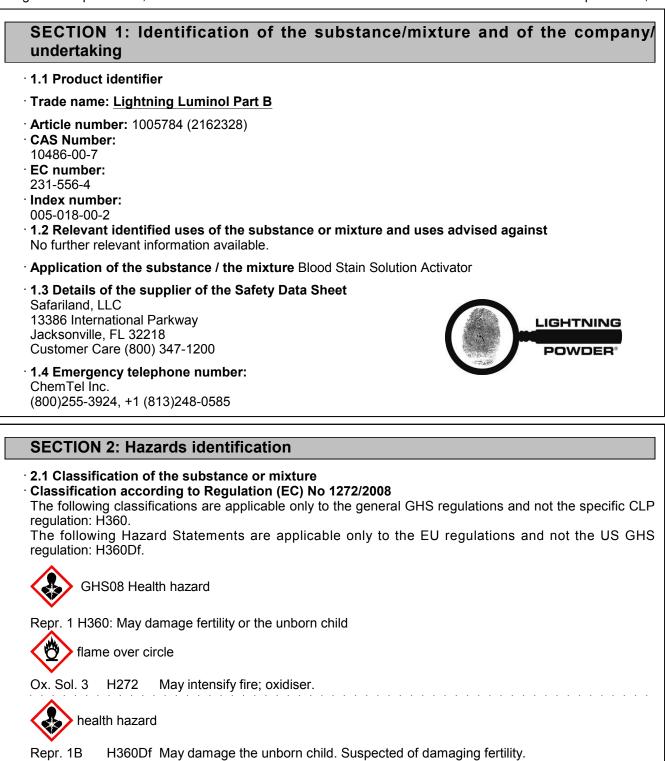
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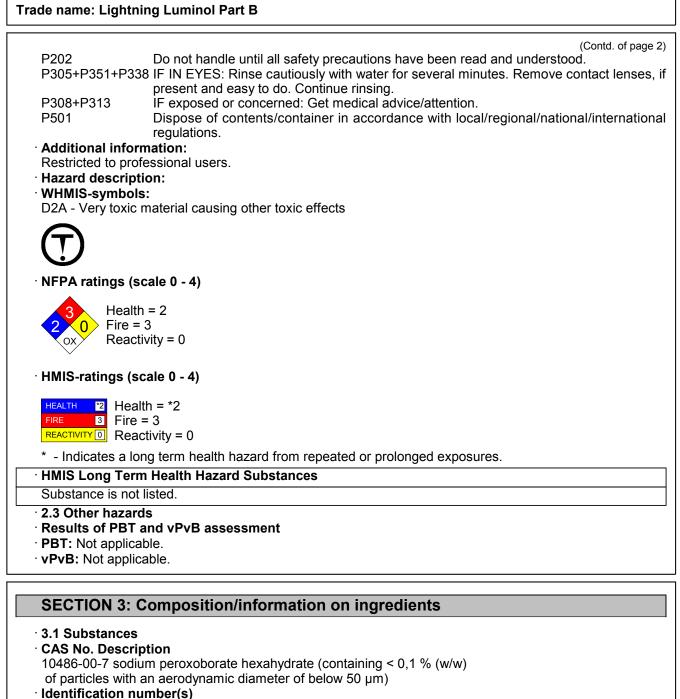
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corrosion		
Eye Dam. 1 H318 Causes serious eye damage.		
STOT SE 3 H335 May cause respiratory irritation.		
 Classification according to Directive 67/548/EEC or Directive 1999/45/EC T; Toxic Repr. Cat. 2, 3 		
R61: May cause harm to the unborn child.		
🗙 Xn; Harmful		
R62: Possible risk of impaired fertility.		
Xi; Irritant		
R37-41: Irritating to respiratory system. Risk of serious damage to eyes. • Information concerning particular hazards for human and environment: Not applicable.		
 2.2 Label elements Labelling according to Regulation (EC) No 1272/2008 The following Hazard Statements are applicable only to the general GHS regulations and not the specific CLP regulation: H360Df. The substance is classified and labelled according to the CLP regulation. Hazard pictograms 		
GHS03 GHS05 GHS07 GHS08		
· Signal word Danger		
 Hazard-determining components of labelling: sodium peroxoborate hexahydrate (containing < 0,1 % (w/w) of particles with an aerodynamic diameter of below 50 μm) Hazard statements 		
The following Hazard Statements are applicable only to the general GHS regulations and not the specific CLP regulation: H360Df. H272 May intensify fire; oxidiser.		
H318 Causes serious eye damage. H360Df May damage the unborn child. Suspected of damaging fertility. H335 May cause respiratory irritation.		
Precautionary statements		
P261Avoid breathing dust.P281Use personal protective equipment as required.(Contd. on page 3)		

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· SVHC

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10486-00-7 sodium peroxoborate hexahydrate (containing < 0,1 % (w/w) of particles with an aerodynamic diameter of below 50 μm)

SECTION 4: First aid measures

4.1 Description of first aid measures · General information: Immediately remove any clothing soiled by the product. Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident. · After inhalation: Supply fresh air; consult doctor in case of complaints. · After skin contact: Immediately rinse with water. Remove any clothing soiled by the product. If skin irritation is experienced, consult a doctor. · After eye contact: Remove contact lenses if worn, if possible. Flush with water for 15 minutes occasionally lifting the eyelids. Seek medical attention. • After swallowing: Do not induce vomiting; call for medical help immediately. 4.2 Most important symptoms and effects, both acute and delayed Couahina Eve damage. Breathing difficulty Gastric or intestinal disorders when ingested. · Hazards Harmful if swallowed. Danger of severe eve injury. May damage fertility or the unborn child. • 4.3 Indication of any immediate medical attention and special treatment needed No further relevant information available.

SECTION 5: Firefighting measures

· 5.1 Extinguishing media

• Suitable extinguishing agents: Foam, dry chemical or carbon dioxide.

- · For safety reasons unsuitable extinguishing agents: None.
- · 5.2 Special hazards arising from the substance or mixture May intensify fire; oxidiser.
- · 5.3 Advice for firefighters
- · Protective equipment:

Wear self-contained respiratory protective device.

Wear fully protective suit.

• Additional information No further relevant information available.

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SECTION 6: Accidental release measures

· 6.1 Personal precautions, protective equipment and emergency procedures

Wear protective equipment. Keep unprotected persons away.

For large spills, use respiratory protective device against the effects of fumes/dust/aerosol. Ensure adequate ventilation

• 6.2 Environmental precautions: Do not allow to enter sewers/ surface or ground water.

• 6.3 Methods and material for containment and cleaning up: Pick up mechanically.

Dispose contaminated material as waste according to item 13.

Ensure adequate ventilation.

Send for recovery or disposal in suitable receptacles.

6.4 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.

SECTION 7: Handling and storage

· 7.1 Precautions for safe handling

Any unavoidable deposit of dust must be regularly removed.

Do not dry clean dust covered objects and floors. Wash thoroughly with plenty of water.

Containers of this material may be hazardous when empty since they retain product residues (dust, solids).

· Information about fire - and explosion protection:

Keep respiratory protective device available.

Substance/product can reduce the ignition temperature of flammable substances.

· 7.2 Conditions for safe storage, including any incompatibilities

· Storage:

• Requirements to be met by storerooms and receptacles:

Avoid storage near extreme heat, ignition sources or open flame.

Protect from humidity and water.

Information about storage in one common storage facility:

Store away from foodstuffs.

Store away from flammable substances.

Store away from reducing agents.

Do not store together with acids.

• Further information about storage conditions: Store in cool, dry conditions in well sealed receptacles.

• 7.3 Specific end use(s) No further relevant information available.

SECTION 8: Exposure controls/personal protection

• Additional information about design of technical facilities: No further data; see item 7.

· 8.1 Control parameters

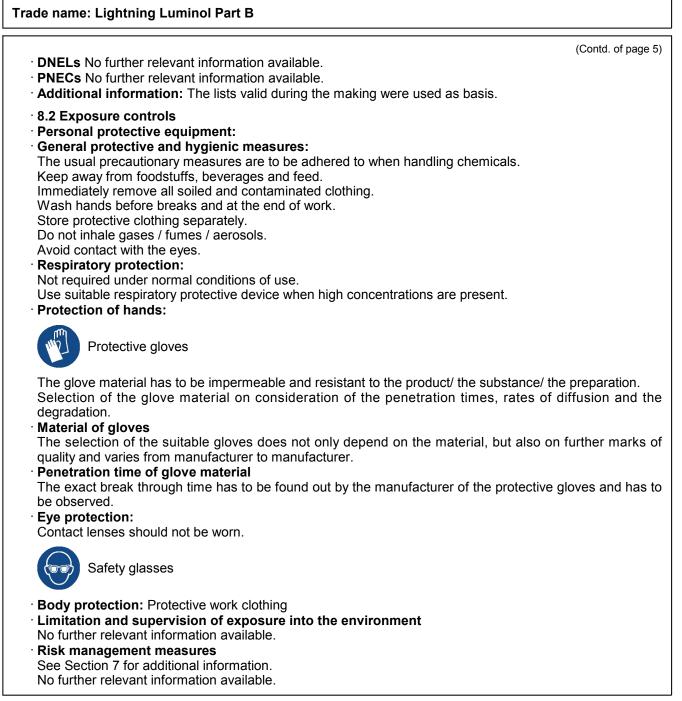
· Ingredients with limit values that require monitoring at the workplace: Not required.

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Q 1 Information on basis abusised a	and chamical properties
9.1 Information on basic physical a General Information	and chemical properties
Appearance:	
Form:	Crystalline
Colour: Odour:	Colourless
Odour: Odour threshold:	Odourless Not determined.
pH-value:	Not applicable.
Change in condition	
Melting point/Melting range:	ca. 60 °C
Boiling point/Boiling range:	Undetermined.
Flash point:	Not applicable.
Flammability (solid, gaseous):	Product is not flammable.
Auto/Self-ignition temperature:	Not determined.
Decomposition temperature:	Not determined.
Self-igniting:	Not determined.
Danger of explosion:	Product does not present an explosion hazard.
Explosion limits:	
Lower:	Not determined.
Upper:	Not determined.
Vapour pressure:	Not applicable.
Density:	Not determined.
Relative density	Not determined.
Vapour density	Not applicable.
Evaporation rate	Not applicable.
Solubility in / Miscibility with water at 20 °C:	23 g/l
Partition coefficient (n-octanol/wat	-
Viscosity:	
Dynamic:	Not applicable.
Kinematic:	Not applicable.
Organic solvents:	0,0 %
Solids content:	100,0 %
9.2 Other information	No further relevant information available.

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SECTION 10: Stability and reactivity

· 10.1 Reactivity

· 10.2 Chemical stability

• Thermal decomposition / conditions to be avoided:

No decomposition if used and stored according to specifications.

· 10.3 Possibility of hazardous reactions

Toxic fumes may be released if heated above the decomposition point.

Acts as an oxidizing agent on organic materials such as wood, paper and fats. Reacts with strong acids.

• 10.4 Conditions to avoid No further relevant information available.

• 10.5 Incompatible materials: No further relevant information available.

• 10.6 Hazardous decomposition products: Danger of forming toxic pyrolysis products.

SECTION 11: Toxicological information

· 11.1 Information on toxicological effects

• Acute toxicity:

· LD/LC50 values relevant for classification:

10486-00-7 sodium peroxoborate hexahydrate (containing < 0,1 % (w/w) of particles with an aerodynamic diameter of below 50 μm)

Oral LD50 2,240 mg/kg (rat)

· Primary irritant effect:

• on the skin: No irritant effect.

• on the eye: Strong irritant with the danger of severe eye injury.

· Sensitization: No sensitizing effects known.

· Additional toxicological information:

May damage fertility or the unborn child.

Harmful if swallowed.

· Repeated dose toxicity: May cause damage to organs through prolonged or repeated exposure.

• CMR effects (carcinogenity, mutagenicity and toxicity for reproduction):

Repr. 1B

SECTION 12: Ecological information

· 12.1 Toxicity

· Aquatic toxicity: No further relevant information available.

• **12.2 Persistence and degradability** No further relevant information available.

• **12.3 Bioaccumulative potential** No further relevant information available.

12.4 Mobility in soil No further relevant information available.

• Additional ecological information:

· General notes:

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

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· 12.5 Results of PBT and vPvB assessment

• **PBT:** Not applicable.

vPvB: Not applicable.

12.6 Other adverse effects No further relevant information available.

SECTION 13: Disposal considerations

· 13.1 Waste treatment methods

· Recommendation

Must not be disposed together with household garbage. Do not allow product to reach sewage system. Can be burned with household garbage after consulting with the waste disposal facility operator and the pertinent authorities and adhering to the necessary technical regulations.

The user of this material has the responsibility to dispose of unused material, residues and containers in compliance with all relevant local, state and federal laws and regulations regarding treatment, storage and disposal for hazardous and nonhazardous wastes. Residual materials should be treated as hazardous.

· Uncleaned packaging:

· Recommendation: Disposal must be made according to official regulations.

· Recommended cleansing agents: Water, if necessary together with cleansing agents.

SECTION 14: Transport informa	tion
 14.1 UN-Number DOT, ADR, IMDG, IATA 14.2 UN proper shipping name DOT ADR IMDG, IATA 	UN3377 Sodium perborate monohydrate 3377 SODIUM PERBORATE MONOHYDRATE SODIUM PERBORATE MONOHYDRATE
• 14.3 Transport hazard class(es) • DOT	
Class Label	5.1 Oxidising substances. 5.1
ADR	
Class	5.1 (O2) Oxidising substances. (Contd. on page 10)

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Label	(Contd. of page 9 5.1
· IMDG, IATA	
· Class	5.1 Oxidising substances.
· Label	5.1
[.] 14.4 Packing group	
DOT, ADR, IMDG, IATA	III
14.5 Environmental hazards:	
· Marine pollutant:	No
 14.6 Special precautions for user 	Warning: Oxidising substances.
Danger code (Kemler):	50
EMS Number:	F-A,S-Q
• Segregation groups	Peroxides
 14.7 Transport in bulk according to Ann MARPOL73/78 and the IBC Code 	
MARPOL / 3/ / 8 and the IBC Code	Not applicable.
· Transport/Additional information:	
ADR	
· Limited quantities (LQ)	5 kg
 Excepted quantities (EQ) 	Code: E1 Maximum pat quantity par inpar packaging: 20 g
	Maximum net quantity per inner packaging: 30 g Maximum net quantity per outer packaging: 1000 g
· Transport category	3
[•] Tunnel restriction code	E
· UN "Model Regulation":	UN3377, SODIUM PERBORATE MONOHYDRAT
5	5.1, III

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
United States (USA)
SARA
Section 355 (extremely hazardous substances):
Substance is not listed.
Section 313 (Specific toxic chemical listings):

Substance is not listed.

• TSCA (Toxic Substances Control Act):

Substance is not listed.

· Proposition 65 (California):

Chemicals known to cause cancer:

Substance is not listed.

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Chemicals known to cause reproductive toxicity for females:
Substance is not listed.
· Chemicals known to cause reproductive toxicity for males:
Substance is not listed.
· Chemicals known to cause developmental toxicity:
Substance is not listed.
· Carcinogenic Categories
· EPA (Environmental Protection Agency)
10486-00-7 sodium peroxoborate hexahydrate (containing < 0,1 % (w/w) of particles with an I (oral) aerodynamic diameter of below 50 μm)
· IARC (International Agency for Research on Cancer)
Substance is not listed.
• TLV (Threshold Limit Value established by ACGIH)
Substance is not listed.
· NIOSH-Ca (National Institute for Occupational Safety and Health)
Substance is not listed.
· Canada
· Canadian Domestic Substances List (DSL)
Substance is not listed.
· Canadian Ingredient Disclosure list (limit 0.1%)
Substance is not listed.
· Canadian Ingredient Disclosure list (limit 1%)
Substance is not listed.
• Other regulations, limitations and prohibitive regulations This product has been classified in accordance with hazard criteria of the Controlled Products Regulations and the SDS contains all the information required by the Controlled Products Regulations.
· Substances of very high concern (SVHC) according to REACH, Article 57
10486-00-7 sodium peroxoborate hexahydrate (containing < 0,1 % (w/w) of particles with an aerodynamic diameter of below 50 μm)
• 15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

SECTION 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.

• 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)

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

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(Contd. of page 11) ACGIH: American Conference of Governmental Industrial Hygienists EINECS: European Inventory of Existing Commercial Chemical Substances CAS: Chemical Abstracts Service (division of the American Chemical Society) NFPA: National Fire Protection Association (USA) HMIS: Hazardous Materials Identification System (USA) WHMIS: Workplace Hazardous Materials Information System (Canada) DNEL: Derived No-Effect Level (REACH) PNEC: Predicted No-Effect Concentration (REACH) LC50: Lethal concentration, 50 percent LD50: Lethal dose, 50 percent Ox. Sol. 3: Oxidising Solids, Hazard Category 3 Eye Dam. 1: Serious eye damage/eye irritation, Hazard Category 1 Repr. 1B: Reproductive toxicity, Hazard Category 1B STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3 Sources SDS Prepared by: ChemTel Inc. 1305 North Florida Avenue Tampa, Florida USA 33602-2902 Toll Free North America 1-888-255-3924 Intl. +01 813-248-0573 Website: www.chemtelinc.com