Safety Data Sheet according to 1907/2006/EC (REACH), 1272/2008/EC (CLP), and OSHA GHS

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SECTION ' undertaking	l: Identification of the substance/mixture and of the compa
· 1.1 Product id	entifier
[.] Trade name: <u>L</u>	ightspeed Primer
	r: FT-PRBOT-L Ientified uses of the substance or mixture and uses advised against ant information available.
Application of Adhesive. Product Compo	the substance / the mixture
• 1.3 Details of • Manufacturer/ The Siemon Co 101 Siemon Co Watertown, CT Phone: 860-94	ompany ompany Drive 06795
ChemTel Inc.	/ telephone number:
(800)255-3924	+1 (813)248-0585
	+1 (813)248-0585 Hazards identification
SECTION 2: 2.1 Classificat Classification Classification (29CFR1910.1	Hazards identification ion of the substance or mixture according to Regulation (EC) No 1272/2008 is listed are applicable to the OSHA GHS Hazard Communication Stan 200). Hazard Statements are applicable only to the EU regulations and not the US 1.
SECTION 2 2.1 Classification Classification (29CFR1910.1 The following regulation: H41	Hazards identification ion of the substance or mixture according to Regulation (EC) No 1272/2008 is listed are applicable to the OSHA GHS Hazard Communication Stan 200). Hazard Statements are applicable only to the EU regulations and not the US 1.
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SECTION 2: 2.1 Classification Classification (29CFR1910.1 The following regulation: H41 Aquatic Chroni	Hazards identification ion of the substance or mixture according to Regulation (EC) No 1272/2008 Its listed are applicable to the OSHA GHS Hazard Communication Stan 200). Hazard Statements are applicable only to the EU regulations and not the US 1. ment 22 H411 Toxic to aquatic life with long lasting effects.

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Trade name: Lightspeed Primer (Contd. of page 1) · Hazard pictograms This pictogram only applicable for EU regulations. Not for use in the United States (OSHA GHS). GHS07 GHS09 · Signal word Warning · Hazard-determining components of labelling: methacrylic acid, monoester with propane-1,2-diol Hazard statements The following Hazard Statements are applicable only to the EU regulations and not the US GHS regulation: H411. H319 Causes serious eye irritation. H317 May cause an allergic skin reaction. H411 Toxic to aquatic life with long lasting effects. **Precautionary statements** P261 Avoid breathing mist/vapours/spray. P264 Wash thoroughly after handling. P280 Wear protective gloves/protective clothing/eye protection. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P363 Wash contaminated clothing before reuse. P333+P313 If skin irritation or rash occurs: Get medical advice/attention. P337+P313 If eye irritation persists: Get medical advice/attention. P302+P352 IF ON SKIN: Wash with plenty of water. P501 Dispose of contents/container in accordance with local/regional/national/international regulations. · Hazard description: · WHMIS-symbols: As of 11 February 2015, the current WHMIS system is being replaced by the GHS system. This is the classification under the older system. D2B - Toxic material causing other toxic effects NFPA ratings (scale 0 - 4) Health = 2 Fire = 1Reactivity = 0

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· HMIS-ratings (scale 0 - 4)

HEALTH2Health = 2FIRE1Fire = 1REACTIVITY0Reactivity = 0

· HMIS Long Term Health Hazard Substances

None of the ingredients are listed.

· 2.3 Other hazards

· Results of PBT and vPvB assessment

• **PBT:** Not applicable.

· vPvB: Not applicable.

SECTION 3: Composition/information on ingredients

· 3.2 Mixtures

· Description: Mixture of substances listed below with nonhazardous additions.

· Dangerous components:		
CAS: 27813-02-1 EINECS: 248-666-3 Index number: 607-125-00-5	methacrylic acid, monoester with propane-1,2-diol	50-100%
CAS: 128-37-0 EINECS: 204-881-4	2,6-di-tert-butyl-p-cresol Aquatic Acute 1, H400; Aquatic Chronic 1, H410	2,5-10%
CAS: 1338-02-9 EINECS: 215-657-0 Index number: 029-003-00-5	Naphthenic acids, copper salts Flam. Liq. 3, H226 Aquatic Acute 1, H400; Aquatic Chronic 1, H410 Acute Tox. 4, H302	_ ≤ 2,5%
CAS: 64742-47-8 EINECS: 265-149-8 Index number: 649-422-00-2	Distillates (petroleum), hydrotreated light Asp. Tox. 1, H304 Aquatic Chronic 2, H411 Skin Irrit. 2, H315; STOT SE 3, H336	_ ≤ 2,5%

· Additional information:

For the listed ingredients, the identity and exact percentages are being withheld as a trade secret.

SECTION 4: First aid measures

· 4.1 Description of first aid measures

· General information: Immediately remove any clothing soiled by the product.

- · 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:

Remove contact lenses if worn.

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

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• After swallowing: Rinse out mouth and then drink plenty of water.

Do not induce vomiting; call for medical help immediately.

· 4.2 Most important symptoms and effects, both acute and delayed

Allergic reactions

Irritant to eyes.

Gastric or intestinal disorders when ingested.

· Hazards No further relevant information available.

• 4.3 Indication of any immediate medical attention and special treatment needed

Treat skin and mucous membrane with antihistamine and corticoid preparations.

Contains methacrylic acid, monoester with propane-1,2-diol. May produce an allergic reaction.

SECTION 5: Firefighting measures

· 5.1 Extinguishing media

• Suitable extinguishing agents: Use fire extinguishing methods suitable to surrounding conditions.

- For safety reasons unsuitable extinguishing agents: Water with full jet
- 5.2 Special hazards arising from the substance or mixture

Formation of toxic gases is possible during heating or in case of fire.

- 5.3 Advice for firefighters
- · Protective equipment:

Wear self-contained respiratory protective device.

Wear fully protective suit.

• Additional information No further relevant information available.

SECTION 6: Accidental release measures

· 6.1 Personal precautions, protective equipment and emergency procedures Use respiratory protective device against the effects of fumes/dust/aerosol. Wear protective equipment. Keep unprotected persons away. Ensure adequate ventilation 6.2 Environmental precautions: Do not allow to enter sewers/ surface or ground water. Prevent from spreading (e.g. by damming-in or oil barriers). Inform respective authorities in case of seepage into water course or sewage system. 6.3 Methods and material for containment and cleaning up: Absorb with liguid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Pick up mechanically. Send for recovery or disposal in suitable receptacles. Dispose contaminated material as waste according to section 13. 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.

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SECTION 7: Handling and storage

· 7.1 Precautions for safe handling

Prevent formation of aerosols.

Avoid splashes or spray in enclosed areas.

Use only in well ventilated areas.

· Information about fire - and explosion protection: No special measures required.

· 7.2 Conditions for safe storage, including any incompatibilities

· Storage:

 $^{\cdot}$ Requirements to be met by storerooms and receptacles:

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

· Information about storage in one common storage facility:

Store away from foodstuffs.

Store away from oxidising 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 section 7.

· 8.1 Control parameters

· Ingredients v	Ingredients with limit values that require monitoring at the workplace:			
128-37-0 2,6-	di-tert-butyl-p-cresol			
REL (USA)	Long-term value: 10 mg/m ³			
TLV (USA)	Long-term value: 2* mg/m ³ *as inhalable fraction and vapor			
EL (Canada)	Long-term value: 2 mg/m³ vapour and inhalable aerosol			
EV (Canada)	Long-term value: 2 mg/m³ inhalable, vapour and aerosol			
64742-47-8 D	istillates (petroleum), hydrotreated light			
EL (Canada)	Long-term value: 200 mg/m³ Skin			
• PNECs No fu • Additional in	 DNELs No further relevant information available. PNECs No further relevant information available. Additional information: The lists valid during the making were used as basis. 8.2 Exposure controls 			
• General prot The usual pre Keep away fro	 Personal protective equipment: General protective and hygienic measures: The usual precautionary measures are to be adhered to when handling chemicals. Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing. (Contd. on page 6) 			

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Wash hands before breaks and at the end of work. Do not inhale gases / fumes / aerosols. Avoid contact with the eyes and skin. **Respiratory protection:** Not required under normal conditions of use. Use suitable respiratory protective device in case of insufficient ventilation. Use suitable respiratory protective device when aerosol or mist is formed. For spills, respiratory protection may be advisable.

Protection of hands:



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. **Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

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.

Eye protection:



Safety glasses

· **Body protection:** Protective work clothing

· Limitation and supervision of exposure into the environment

No further relevant information available.

· Risk management measures

See Section 7 for additional information.

No further relevant information available.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

· General Information

· Appearance:	
Form:	Liquid
Colour:	Green
· Odour:	Mild
· Odour threshold:	Not determined.
· pH-value:	Not determined.
 Change in condition Melting point/Melting range: 	Not Determined.

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Boiling point/Boiling range:	>148 °C (>298 °F)	
· Flash point:	>93 °C (>199 °F)	
Flammability (solid, gaseous):	Not applicable.	
· Auto/Self-ignition temperature:	Not determined.	
 Decomposition temperature: 	Not determined.	
· Self-igniting:	Product is not self-igniting.	
· Danger of explosion:	Product does not present an explosion hazard.	
· Explosion limits: Lower: Upper:	Not determined. Not determined.	
· Vapour pressure:	Not determined.	
 Density at 20 °C (68 °F): Relative density Vapour density Evaporation rate 	1,05 g/cm³ (8,762 lbs/gal) Not determined. Not determined. Not determined.	
 Solubility in / Miscibility with water: 	Not miscible or difficult to mix.	
· Partition coefficient (n-octanol/water)	Not determined.	
 Viscosity: Dynamic: Kinematic: 9.2 Other information 	Not determined. Not determined. No further relevant information available.	

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
- Reacts with strong oxidising agents.
- Reacts with strong acids and alkali.
- Toxic fumes may be released if heated above the decomposition point.
- **10.4 Conditions to avoid** Store away from oxidising agents.
- **10.5 Incompatible materials:** No further relevant information available.
- · 10.6 Hazardous decomposition products: Carbon monoxide and carbon dioxide

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SECTION 11: Toxicological information

· 11.1 Information on toxicological effects

· Acute toxicity

· LD/LC50 values relevant for classification:

27813-02-1 methacrylic acid, monoester with propane-1,2-diol

Oral |LD50|>2000 mg/kg (rat)

128-37-0 2,6-di-tert-butyl-p-cresol

Oral LD50 >2930 mg/kg (rat)

Dermal LD50 >2000 mg/kg (rat)

Primary irritant effect:

• Skin corrosion/irritation No irritant effect.

· Serious eye damage/irritation Irritating effect.

• Respiratory or skin sensitisation Sensitisation possible through skin contact.

Additional toxicological information:

The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version: Irritant

Danger through skin adsorption.

Toxic and/or corrosive effects may be delayed up to 24 hours.

0 % of the mixture consists of component(s) of unknown toxicity.

• Acute effects (acute toxicity, irritation and corrosivity): Irritating to eyes.

• Sensitisation: May cause an allergic skin reaction.

· Repeated dose toxicity: Repeated exposures may result in skin and/or respiratory sensitivity.

- CMR effects (carcinogenity, mutagenicity and toxicity for reproduction):
- Germ cell mutagenicity Based on available data, the classification criteria are not met.
- Carcinogenicity Based on available data, the classification criteria are not met.
- **Reproductive toxicity** Based on available data, the classification criteria are not met.

• **STOT-single exposure** Based on available data, the classification criteria are not met.

• **STOT-repeated exposure** Based on available data, the classification criteria are not met.

• Aspiration hazard Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

· 12.1 Toxicity

· Aquatic toxicity: The product contains materials that are harmful to the environment.

- 12.2 Persistence and degradability The product is partially biodegradable. Significant residuals remain.
- 12.3 Bioaccumulative potential No further relevant information available.
- 12.4 Mobility in soil No further relevant information available.
- · Ecotoxical effects:

· Remark: Harmful to fish

- · Additional ecological information:
- · General notes:

Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water

Do not allow product to reach ground water, water course or sewage system.

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Danger to drinking water if even small quantities leak into the ground.

Harmful to aquatic organisms

Due to available data on eliminability/decomposition and bioaccumulation potential prolonged term damage of the environment can not be excluded.

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 local official regulations.

SECTION 14: Transport information	
 14.1 UN-Number DOT ADR, IMDG, IATA 14.2 UN proper shipping name 	Not Regulated UN3082
Limited Quantity for packages less t gal).	than 30 kg (66 lb) and inner packagings less than 5 L (1.3 $$
·DOT	Not Regulated
ADR	3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Naphthenic acids, copper salts)
· IMDG, IATA	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Naphthenic acids, copper salts)
 14.3 Transport hazard class(es) 	
· DOT · Class	Not Regulated (Contd. on page 10)

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de name: Lightspeed Primer	
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ADR	
<u>۸</u>	
Class	9 (M6) Miscellaneous dangerous substances ar
Label	articles. 9
	9
IMDG	
8	
Class	9 Miscellaneous dangerous substances and articles.
Label	9
Class	Q Miscollanoous dangerous substances and articles
Label	9 Miscellaneous dangerous substances and articles.
14.4 Packing group	3
DOT	Not Regulated
ADR, IMDG, IATA	
14.5 Environmental hazards:	
Marine pollutant:	No
Special marking (ADR):	Symbol (fish and tree)
Special marking (IATA):	Symbol (fish and tree)
14.6 Special precautions for user	Warning: Miscellaneous dangerous substances ar articles.
Danger code (Kemler):	90
EMS Number:	F-A,S-F
14.7 Transport in bulk according to Ann	
MARPOL73/78 and the IBC Code	Not applicable.
Transport/Additional information:	
ADR	
Excepted quantities (EQ)	Code: E1
- • •	Maximum net quantity per inner packaging: 30 ml
	Maximum net quantity per outer packaging: 1000 ml
Transport category	3
Tunnel restriction code	E

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·IMDG	
 Excepted quantities (EQ) 	Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
·DOT	Transport labeling is not required for non-bulk single package shipments by motor vehicle, rail car or aircraft. Bulk packaging consists of a maximum capacity of greater than 450L (119 gallons) for a liquid and a maximum net mass greater than 400kg (882 pounds) for a solid.
· UN "Model Regulation":	UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Naphthenic acids, copper salts), 9, III

SECTION 15: Regulatory information

 \cdot 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture \cdot United States (USA)

· SARA

· Section 355 (extremely hazardous substances):

None of the ingredients are listed.

Section 313 (Specific toxic chemical listings):

1338-02-9 Naphthenic acids, copper salts

• TSCA (Toxic Substances Control Act):

All ingredients are listed.

Proposition 65 (California):

· Chemicals known to cause cancer:

None of the ingredients is listed.

• Chemicals known to cause reproductive toxicity for females:

None of the ingredients are listed.

• Chemicals known to cause reproductive toxicity for males:

None of the ingredients are listed.

· Chemicals known to cause developmental toxicity:

None of the ingredients are listed.

Carcinogenic Categories

· EPA (Environmental Protection Agency)

None of the ingredients are listed.

· IARC (International Agency for Research on Cancer)

128-37-0 2,6-di-tert-butyl-p-cresol

· TLV (Threshold Limit Value established by ACGIH)

128-37-0 2,6-di-tert-butyl-p-cresol

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

None of the ingredients are listed.

· Canada

· Canadian Domestic Substances List (DSL)

All ingredients are listed.

Canadian Ingredient Disclosure list (limit 0.1%)

None of the ingredients are listed.

Canadian Ingredient Disclosure list (limit 1%)

128-37-0 2,6-di-tert-butyl-p-cresol

1338-02-9 Naphthenic acids, copper salts

· 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

None of the ingredients are listed.

· 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.

· Relevant phrases

H226 Flammable liquid and vapour.

H302 Harmful if swallowed.

H304 May be fatal if swallowed and enters airways.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

H411 Toxic to aquatic life with long lasting effects.

• 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 Harmonised System of Classification and Labelling of Chemicals ACGIH: American Conference of Governmental Industrial Hygienists 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) NFPA: National Fire Protection Association (USA) HMIS: Hazardous Materials Identification System (USA) WHMIS: Workplace Hazardous Materials Information System (Canada)

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DNEL: Derived No-Effect Level (REACH) PNEC: Predicted No-Effect Concentration (REACH) LC50: Lethal concentration, 50 percent LD50: Lethal dose, 50 percent Flam. Liq. 3: Flammable liquids, Hazard Category 3 Acute Tox. 4: Acute toxicity, Hazard Category 4 Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2 Eye Irrit. 2: Serious eye damage/eye irritation, Hazard Category 2 Skin Sens. 1: Sensitisation - Skin, Hazard Category 1 STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3 Asp. Tox. 1: Aspiration hazard, Hazard Category 1 Aquatic Acute 1: Hazardous to the aquatic environment - AcuteHazard, Category 1 Aquatic Chronic 1: Hazardous to the aquatic environment - Chronic Hazard, Category 1 Aquatic Chronic 2: Hazardous to the aquatic environment - Chronic Hazard, Category 2 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	(Contd. of page 12)
Toll Free North America 1-888-255-3924 Intl. +01 813-248-0573 Website: www.chemtelinc.com	