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1 Identification

- · Product identifier
- · Trade name: M25674 GripTide Primer
- · Article number: M25674
- · Application of the substance / the mixture Coating
- \cdot Details of the supplier of the safety data sheet
- Manufacturer/Supplier: SEM Products Inc. 1685 Overview Drive Rock Hill, SC 29730 803 207 8225

· Information department:

cust_care@semproducts.com : SEM Products,Inc. 1685 Overview Dr. Rock Hill, SC 29730 : phone 1-800-831-1122, M - TH 7am - 4pm EDT

• Emergency telephone number: CHEMTREC 1-800-424-9300

2 Hazard(s) identification

· Classification of the substance or mixture

GHS02 Flame

Flam. Liq. 2 H225 Highly flammable liquid and vapor.

Skin Irrit. 2 H315 Causes skin irritation.
Eye Irrit. 2A H319 Causes serious eye irritation.
Skin Sens. 1 H317 May cause an allergic skin reaction.
STOT SE 3 H335 May cause respiratory irritation.

· Label elements

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



· Signal word Danger

 Hazard-determining components of labeling: ACETOACETATE RESIN Talc
 4-chloro-alpha,alpha,alpha-trifluorotoluene EPOXY RESIN
 Fluorosufactant

• Hazard statements H225 Highly flammable liquid and vapor.

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	(Contd. of page 1)
H315 Causes skin i	
H319 Causes serio	
	n allergic skin reaction.
	espiratory irritation.
· Precautionary state	
P210	Keep away from heat/sparks/open flames/hot surfaces No smoking.
P240	Ground/bond container and receiving equipment.
P241	Use explosion-proof electrical/ventilating/lighting/equipment.
P242	Use only non-sparking tools.
P243	Take precautionary measures against static discharge.
P261	Avoid breathing dust/fume/gas/mist/vapors/spray
P264	Wash thoroughly after handling.
P271	Use only outdoors or in a well-ventilated area.
P272	Contaminated work clothing must not be allowed out of the workplace.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P303+P301+P353	If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338	If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P312	Call a poison center/doctor if you feel unwell.
P321	Specific treatment (see on this label).
P362+P364	Take off contaminated clothing and wash it before reuse.
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
P337+P313	<i>If eye irritation persists: Get medical advice/attention.</i>
P363	Wash contaminated clothing before reuse.
P370+P378	In case of fire: Use for extinction: CO2, powder or water spray.
P403+P233	Store in a well-ventilated place. Keep container tightly closed.
P403+P235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.
P501	Dispose of contents/container in accordance with local/regional/national/international regulations.
· Classification syste · NFPA ratings (sca	em:
	th = 2
Fire	= 3
▼✓	tivity = 0
· HMIS-ratings (sca	
FIRE 3 Fire	alth = 2 $e = 3$ $activity = 0$
• Other hazards	

· Results of PBT and vPvB assessment

• *PBT:* Not applicable. • *vPvB:* Not applicable.

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3 Composit	ion/information on ingredients	
· Description	nsisting of the following components.	
· Dangerous	components:	
7727-43-7	barium sulphate, natural	13-30%
67-64-1	acetone	13-30%
	ACETOACETATE RESIN	13-30%
14807-96-6	Talc	10-13%
110-43-0	heptan-2-one	≥7-<10%
98-56-6	4-chloro-alpha,alpha,alpha-trifluorotoluene	1.5-5%
25036-25-3	EPOXY RESIN	1.5-5%
1330-20-7	xylene	1-1.5%
	Fluorosufactant	≥0.1-<1%

4 First-aid measures

· Description of first aid measures

• After inhalation:

Supply fresh air and to be sure call for a doctor.

- In case of unconsciousness place patient stably in side position for transportation.
- After skin contact: Immediately wash with water and soap and rinse thoroughly.
- · After eye contact:
- Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- After swallowing: If symptoms persist consult doctor.
- · Information for doctor:
- · Most important symptoms and effects, both acute and delayed No further relevant information available.
- · Indication of any immediate medical attention and special treatment needed
- No further relevant information available.

5 Fire-fighting measures

- · Extinguishing media
- Suitable extinguishing agents:
- CO2, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam. · For safety reasons unsuitable extinguishing agents: Water with full jet
- Special hazards arising from the substance or mixture No further relevant information available.
- · Advice for firefighters
- · Protective equipment: No special measures required.

6 Accidental release measures

· Personal precautions, protective equipment and emergency procedures Wear protective equipment. Keep unprotected persons away.

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Methods an	ntal precautions: Do not allow to enter sewers/ surface or ground water. d material for containment and cleaning up:	(Contd. of page
	liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).	
	quate ventilation. o other sections	
	7 for information on safe handling.	
See Section	8 for information on personal protection equipment.	
	13 for disposal information.	
	ction Criteria for Chemicals	
PAC-1:	titanium dioxide	20 /
		30 mg/m
	barium sulphate, natural	15 mg/m
	acetone	200 ppm
	heptan-2-one	150 ppm
	trizinc bis(orthophosphate)	12 mg/m
	EPOXY RESIN	12 mg/m
1314-13-2		10 mg/m
1330-20-7	•	130 ppn
	butan-1-ol	60 ppm
	Carbon black	9 mg/m ³
108-88-3		67 ppm
	2-butoxyethanol	60 ppm
100-41-4	ethylbenzene	33 ppm
PAC-2:		
13463-67-7	titanium dioxide	330 mg/m
7727-43-7	barium sulphate, natural	170 mg/m
67-64-1	acetone	3200* ppr
110-43-0	heptan-2-one	670 ppm
7779-90-0	trizinc bis(orthophosphate)	36 mg/m ³
25036-25-3	EPOXY RESIN	130 mg/m
1314-13-2	zinc oxide	15 mg/m ³
1330-20-7	xylene	920* ppm
	butan-1-ol	800 ppm
1333-86-4	Carbon black	99 mg/m ³
108-88-3	toluene	560 ppm
	2-butoxyethanol	120 ppm
	ethylbenzene	1100* ppr
PAC-3:		
	titanium dioxide	2,000 mg/n
	barium sulphate, natural	990 mg/m ³
	acetone	5700* ppm
	heptan-2-one	4000* ppm
110 75 0	trizinc bis(orthophosphate)	1000 ppm



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		(Contd. of page 4)
	EPOXY RESIN	790 mg/m ³
1314-13-2		$2,500 \text{ mg/m}^3$
1330-20-7	xylene	2500* ppm
71-36-3	butan-1-ol	8000** ppm
1333-86-4	Carbon black	590 mg/m ³
108-88-3		3700* ppm
111-76-2	2-butoxyethanol	700 ppm
100-41-4	ethylbenzene	1800* ppm

7 Handling and storage

· Handling:

· Precautions for safe handling No special measures required.

- Information about protection against explosions and fires: Keep ignition sources away - Do not smoke. Protect against electrostatic charges.
- · Conditions for safe storage, including any incompatibilities
- · Storage:
- Requirements to be met by storerooms and receptacles: Store in a cool location.
- · Information about storage in one common storage facility: Not required.
- Further information about storage conditions: Keep receptacle tightly sealed.
- Store in cool, dry conditions in well sealed receptacles.

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

8 Exposure controls/personal protection

- Additional information about design of technical systems: No further data; see item 7.
- · Control parameters
- · Components with limit values that require monitoring at the workplace:
- The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit.

At this time, the other constituents have no known exposure limits.

7727	-43-7 barium sulphate, natural
PEL	Long-term value: 15* 5** mg/m ³ *total dust **respirable fraction
REL	Long-term value: 10* 5** mg/m ³ *total dust **respirable fraction
TLV	Long-term value: 5* mg/m³ *inhalable fraction; E
67-6 4	4-1 acetone
PEL	Long-term value: 2400 mg/m ³ , 1000 ppm
REL	Long-term value: 590 mg/m³, 250 ppm
TLV	Short-term value: 1187 mg/m³, 500 ppm Long-term value: 594 mg/m³, 250 ppm BEI
	(Contd. on page

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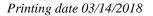


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110-4	43-0 heptan-2-one (Contd. of page
	Long-term value: 465 mg/m ³ , 100 ppm
	Long-term value: 465 mg/m ³ , 100 ppm
	Long-term value: 233 mg/m ³ , 50 ppm
	-20-7 xylene
	Long-term value: 435 mg/m ³ , 100 ppm
	Short-term value: 655 mg/m ³ , 150 ppm
	Long-term value: 435 mg/m ³ , 100 ppm
TLV	Short-term value: 651 mg/m³, 150 ppm
	Long-term value: 434 mg/m ³ , 100 ppm
	BEI
-	edients with biological limit values:
	4-1 acetone
	50 mg/L Madiuma uning
	Medium: urine Time: end of shift
	Parameter: Acetone (nonspecific)
1330	20-7 xylene
BEI	1.5 g/g creatinine
	Medium: urine
	Time: end of shift
	Parameter: Methylhippuric acids
	tional information: The lists that were valid during the creation were used as basis.
	osure controls onal protective equipment:
	eral protective equipment: eral protective and hygienic measures:
	away from foodstuffs, beverages and feed.
	ediately remove all soiled and contaminated clothing.
	h hands before breaks and at the end of work.
	d contact with the eyes and skin. t hing equipment:
	use of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure i
	iratory protective device that is independent of circulating air.
	ection of hands:
	to missing tests no recommendation to the glove material can be given for the product/ the preparation/ nical mixture.
	iccu mixture. ction of the glove material on consideration of the penetration times, rates of diffusion and the degradation
	Protective gloves
	glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
	e rial of gloves selection of the suitable gloves does not only depend on the material, but also on further marks of quality c
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 \cdot Penetration time of glove material

The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.

 \cdot Eye protection:



Tightly sealed goggles

*

Information on basic physical and	chemical properties
General Information	
Appearance: Form:	Liquid
Form: Color:	Liquid According to product specification
Odor:	Characteristic
Odor threshold:	Not determined.
pH-value:	Not determined.
Change in condition	
Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	55 °C
Flash point:	-19 °C
Flammability (solid, gaseous):	Not applicable.
Ignition temperature:	465 °C
Decomposition temperature:	Not determined.
Auto igniting:	Product is not selfigniting.
Danger of explosion:	In use, may form flammable/explosive vapour-air mixture.
Explosion limits:	
Lower:	2.6 Vol %
Upper:	13 Vol %
Vapor pressure at 20 °C:	233 hPa
Density at 20 °C:	1.61493 g/cm ³
Relative density	Not determined.
Vapor density	Not determined.
Evaporation rate	Not determined.
Solubility in / Miscibility with	
Water:	Not miscible or difficult to mix.
Partition coefficient (n-octanol/wat	er): Not determined.
Viscosity:	
Dynamic:	Not determined.
Kinematic:	Not determined.

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		(Contd. of page
• Solvent content: Organic solvents:	27.3 %	
VOC content:	9.28 % 225.3 g/l / 1.88 lb/gl	
Solids content:	72.7 %	
• Other information	No further relevant information available.	

10 Stability and reactivity

- *Reactivity* No further relevant information available.
- · Chemical stability
- Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.
- · Possibility of hazardous reactions No dangerous reactions known.
- · Conditions to avoid No further relevant information available.
- · 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:

7779-90-0 trizinc bis(orthophosphate)

Oral LD50 >5,000 mg/kg (rat)

- · Primary irritant effect:
- on the skin: Irritant to skin and mucous membranes.
- on the eye: Irritating effect.
- Sensitization: Sensitization possible through skin contact.
- · Additional toxicological information:

The product shows the following dangers according to internally approved calculation methods for preparations: Irritant

· Carcinogenic categories

· IARC (Inter	national Agency for Research on Cancer)	
13463-67-7	titanium dioxide	28
14807-96-6	Talc	3
1330-20-7	xylene	3
1333-86-4	Carbon black	28
108-88-3	toluene	3
	2-butoxyethanol	3
100-41-4	ethylbenzene	28
NTP (Natio	nal Toxicology Program)	
None of the	ingredients is listed.	
		(Contd. on page

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- · OSHA-Ca (Occupational Safety & Health Administration)
- None of the ingredients is listed.

12 Ecological information

- · Toxicity
- Aquatic toxicity: No further relevant information available.
- · Persistence and degradability No further relevant information available.
- · Behavior in environmental systems:
- · Bioaccumulative potential No further relevant information available.
- \cdot **Mobility in soil** No further relevant information available.
- · Additional ecological information:
- · General notes:
- Water hazard class 2 (Self-assessment): hazardous for water Do not allow product to reach ground water, water course or sewage system.

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

- · Results of PBT and vPvB assessment
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- \cdot Other adverse effects No further relevant information available.

13 Disposal considerations

- · Waste treatment methods
- *Recommendation: Must not be disposed of together with household garbage. Do not allow product to reach sewage system.*
- · Uncleaned packagings:
- · Recommendation: Disposal must be made according to official regulations.

· UN-Number	
· DOT, ADR, IMDG, IATA	UN1263
· UN proper shipping name	
$\cdot DOT$	Paint
$\cdot ADR$	1263 Paint, ENVIRONMENTALLY HAZARDOUS, special provision
	640D
· IMDG, IATA	PAINT
· Transport hazard class(es)	
-	
$\cdot DOT$	
3	
•	
· Class	3 Flammable liquids



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	(Contd. of page)
Label	3
ADR	
· Class · Label	3 Flammable liquids 3
IMDG, IATA	
Class Label	3 Flammable liquids 3
Packing group DOT, ADR, IMDG, IATA	II
Environmental hazards: Marine pollutant: Special marking (ADR):	No Symbol (fish and tree)
Special precautions for user EMS Number: Stowage Category	Warning: Flammable liquids F-E, <u>S-E</u> B
Transport in bulk according to Annex MARPOL73/78 and the IBC Code	II of Not applicable.
Transport/Additional information:	
DOT Quantity limitations	On passenger aircraft/rail: 5 L On cargo aircraft only: 60 L
ADR Excepted quantities (EQ)	Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml
IMDG Limited quantities (LQ) Excepted quantities (EQ)	5L Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml
UN "Model Regulation":	UN 1263 PAINT, SPECIAL PROVISION 640D, 3, ENVIRONMENTALLY HAZARDOUS

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Safety, heal Sara	th and environmental regulations/legislation specific for the substance or mixture
	(extremely hazardous substances):
	ingredient is listed.
Section 313	(Specific toxic chemical listings):
	barium sulphate, natural
14807-96-6	Talc
7779-90-0	trizinc bis(orthophosphate)
1314-13-2	zinc oxide
1330-20-7	xylene
71-36-3	butan-1-ol
	Acrylic Resin
108-88-3	toluene
111-76-2	2-butoxyethanol
100-41-4	ethylbenzene
TSCA (Toxi	c Substances Control Act):
13463-67-7	titanium dioxide
7727-43-7	barium sulphate, natural
67-64-1	acetone
14807-96-6	Talc
110-43-0	heptan-2-one
7779-90-0	trizinc bis(orthophosphate)
98-56-6	4-chloro-alpha,alpha,alpha-trifluorotoluene
25036-25-3	EPOXY RESIN
1314-13-2	zinc oxide
1330-20-7	xylene
	butan-1-ol
	YELLOW IRON OXIDE
1333-86-4	Carbon black
108-88-3	
	2-butoxyethanol
100-41-4	ethylbenzene
TSCA new (21st Century Act) (Substances not listed)
ACETOACE	TATE RESIN
Fluorosufac	tant
Proposition	
	cnown to cause cancer:
	titanium dioxide
25036-25-3	EPOXY RESIN



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		(Contd. of page 1
	Carbon black	
100-41-4 e	thylbenzene	
· Chemicals kn	own to cause reproductive toxicity for females:	
None of the in	gredients is listed.	
· Chemicals kn	own to cause reproductive toxicity for males:	
None of the ir	gredients is listed.	
· Chemicals kn	own to cause developmental toxicity:	
108-88-3 toli	iene	
· Cancerogenii	y categories	
· EPA (Enviro	nmental Protection Agency)	
7727-43-7 ba	rium sulphate, natural	D, CBD(inh), NL(oral
67-64-1 ac	etone	Ι
7779-90-0 tr	zinc bis(orthophosphate)	D, I, II
1314-13-2 zi		D, I, II
1330-20-7 ху		Ι
71-36-3 bı		D
108-88-3 to		II
	butoxyethanol	NL
100-41-4 et	hylbenzene	D
TLV (Thresh	old Limit Value established by ACGIH)	
13463-67-7 t	itanium dioxide	Α
67-64-1 a	cetone	A
14807-96-6	<i>`alc</i>	Α
ג 1330-20-7 x	v	A
	Carbon black	A
108-88-3 t		A
	2-butoxyethanol	A
100-41-4 e	thylbenzene	A
NIOSH-Ca (I	National Institute for Occupational Safety and Heal	lth)
13463-67-7 t	itanium dioxide	
1333-86-4 (Carbon black	

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



· Signal word Danger

• *Hazard-determining components of labeling:* ACETOACETATE RESIN Talc 4-chloro-alpha,alpha,alpha-trifluorotoluene

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EPOXY RESIN		
Fluorosufactan		
• Hazard statem	ents	
H225 Highly fl	ammable liquid and vapor.	
H315 Causes st	kin irritation.	
	erious eye irritation.	
	se an allergic skin reaction.	
	se respiratory irritation.	
· Precautionary	statements	
P210	Keep away from heat/sparks/open flames/hot surfaces No smoking.	
P240	Ground/bond container and receiving equipment.	
P241	Use explosion-proof electrical/ventilating/lighting/equipment.	
P242	Use only non-sparking tools.	
P243	Take precautionary measures against static discharge.	
P261	Avoid breathing dust/fume/gas/mist/vapors/spray	
P264	Wash thoroughly after handling.	
P271	Use only outdoors or in a well-ventilated area.	
P272	Contaminated work clothing must not be allowed out of the workplace.	
P280	Wear protective gloves/protective clothing/eye protection/face protection.	
P303+P361+P	2353 If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower.	
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.	
P305+P351+P	2338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.	
P312	Call a poison center/doctor if you feel unwell.	
P321	Specific treatment (see on this label).	
P362+P364	Take off contaminated clothing and wash it before reuse.	
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.	
P337+P313	If eye irritation persists: Get medical advice/attention.	
P363	Wash contaminated clothing before reuse.	
P370+P378	In case of fire: Use for extinction: CO2, powder or water spray.	
P403+P233	Store in a well-ventilated place. Keep container tightly closed.	
P403+P235	Store in a well-ventilated place. Keep cool.	
P405	Store locked up.	
P501	Dispose of contents/container in accordance with local/regional/national/international regulations.	
· Chemical safet	v assessment. A Chemical Safety Assessment has not been carried out	

· 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.

- · Department issuing SDS: Environment protection department.
- *Contact: Rita Joiner (rjoiner@semproducts.com)*
- · Date of preparation / last revision 03/14/2018 / 10
- · Abbreviations and acronyms: RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail) ICAO: International Civil Aviation Organisation
- 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

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	IATA: International Air Transport Association
	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)
	VOC: Volatile Organic Compounds (USA, EU)
	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. Liq. 2: Flammable liquids – Category 2
	Skin Irrit. 2: Skin corrosion/irritation – Category 2
	Eye Irrit. 2A: Serious eye damage/eye irritation – Category 2A
	Skin Sens. 1: Skin sensitisation – Category 1
	STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
•	* Data compared to the previous version altered.