Printing date 03/14/2018



Reviewed on 11/30/2017

1 Identification

- · Product identifier
- · Trade name: 13038 Color Coat Flattener
- Article number: 13038
- · 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.



Repr. 2 H361 Suspected of damaging fertility or the unborn child. *STOT RE 2* H373 May cause damage to organs through prolonged or repeated exposure.

GHS07

Skin Irrit. 2 H315 Causes skin irritation.

Eye Irrit. 2A H319 Causes serious eye irritation.

STOT SE 3 H336 May cause drowsiness or dizziness.

· 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:* toluene butanone

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Trade name: 13038 Color Coat Flattener

	(Contd. of page 1)
· Hazard statement	
	mable liquid and vapor.
H315 Causes skin	
H319 Causes seri	
	f damaging fertility or the unborn child.
	drowsiness or dizziness.
	damage to organs through prolonged or repeated exposure.
· Precautionary sta	
P201	Obtain special instructions before use.
P202	Do not handle until all safety precautions have been read and understood.
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.
P260	Do not breathe dust/fume/gas/mist/vapors/spray.
P264	Wash thoroughly after handling.
P271	Use only outdoors or in a well-ventilated area.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P303+P361+P35	3 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+P33	8 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present
	and easy to do. Continue rinsing.
P308+P313	IF exposed or concerned: Get medical advice/attention.
P312	Call a poison center/doctor if you feel unwell.
P321	Specific treatment (see on this label).
P314	Get medical advice/attention if you feel unwell.
P362+P364	Take off contaminated clothing and wash it before reuse.
P332+P313	If skin irritation occurs: Get medical advice/attention.
P337+P313	If eye irritation persists: Get medical advice/attention.
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 sys	
· NFPA ratings (sc	ale 0 - 4)
•	



Health = 2 Fire = 3 Reactivity = 0

· HMIS-ratings (scale 0 - 4)

HEALTH2Health = 2FIRE3Fire = 3REACTIVITY0Reactivity = 0

· Other hazards

· Results of PBT and vPvB assessment

· PBT: Not applicable.

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· vPvB: Not applicable.

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3 Composition/information on ingredients

· Chemical characterization: Mixtures

· Description:

Mixture: consisting of the following components. Weight percentages

· Dangerous components:		
108-88-3		40-60%
	2-(propyloxy)ethanol	10-13%
	2-methoxy-1-methylethyl acetate	10-13%
	Urea polymer	≥7-<10%
78-93-3	butanone	5-7%
	precipitated Silica (Silica-Amorphous)	1.5-5%
51796-19-1	Caster oil derivative	1-1.5%

4 First-aid measures

- · Description of first aid measures
- After inhalation: 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

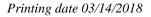
- Suitable extinguishing agents:
- CO2, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- For safety reasons unsuitable extinguishing agents: Water with full jet
- Special hazards arising from the substance or mixture No further relevant information 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.
- Environmental precautions: Do not allow to enter sewers/ surface or ground water.

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		(Contd. of page
	material for containment and cleaning up:	
	iquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).	
	aminated material as waste according to item 13. Nate ventilation.	
	other sections	
	for information on safe handling.	
	for information on personal protection equipment.	
	<i>3 for disposal information.</i>	
Protective Ac	tion Criteria for Chemicals	
PAC-1:		
108-88-3	toluene	67 ppm
2807-30-9	2-(propyloxy)ethanol	2.2 ppm
108-65-6	2-methoxy-1-methylethyl acetate	50 ppm
78-93-3	butanone	200 ppm
112926-00-8	precipitated Silica (Silica-Amorphous)	18 mg/m
123-86-4	n-butyl acetate	5 ppm
PAC-2:		
108-88-3	toluene	560 ppm
2807-30-9	2-(propyloxy)ethanol	24 ppm
108-65-6	2-methoxy-1-methylethyl acetate	1,000 ppm
78-93-3	butanone	2700* ppn
112926-00-8	precipitated Silica (Silica-Amorphous)	200 mg/m ³
123-86-4	n-butyl acetate	200 ppm
PAC-3:		
108-88-3	toluene	3700* ppm
2807-30-9	2-(propyloxy)ethanol	140 ppm
108-65-6	2-methoxy-1-methylethyl acetate	5000* ppm
78-93-3	butanone	4000* ppm
112926-00-8	precipitated Silica (Silica-Amorphous)	1,200 mg/m
123-86-4	n-butyl acetate	3000* 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.

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

8 Exposure controls/personal protection

· Additi	onal information about design of technical systems: No further data; see item 7.	
· Contro	ol parameters	
	onents with limit values that require monitoring at the workplace:	
	llowing constituents are the only constituents of the product which have a PEL, TLV or other recommended	
	ire limit. time, the other constituents have no known exposure limits.	
	3-3 toluene	
PEL	Long-term value: 200 ppm	
I LL	Ceiling limit value: 300; 500* ppm	
	*10-min peak per 8-hr shift	
REL	Short-term value: 560 mg/m ³ , 150 ppm	
	Long-term value: 375 mg/m ³ , 100 ppm	
TLV	Long-term value: 75 mg/m ³ , 20 ppm	
	BEI	
108-65	5-6 2-methoxy-1-methylethyl acetate	
	Long-term value: 50 ppm	
78-93-	3 butanone	
PEL	Long-term value: 590 mg/m³, 200 ppm	
REL	Short-term value: 885 mg/m³, 300 ppm	
	Long-term value: 590 mg/m³, 200 ppm	
TLV	Short-term value: 885 mg/m³, 300 ppm	
	Long-term value: 590 mg/m ³ , 200 ppm	
11000	BEI	
	6-00-8 precipitated Silica (Silica-Amorphous)	
PEL	20mppcf or 80mg/m3 /%SiO2	
REL	Long-term value: 6 mg/m ³	
	See Pocket Guide App. C	
TLV	TLV withdrawn	
-	lients with biological limit values:	
	3-3 toluene	
	.02 mg/L	
	Iedium: blood	
Time: prior to last shift of workweek Parameter: Toluene		
1		
0	.03 mg/L	
	Iedium: urine	
Time: end of shift		
P	arameter: Toluene	
0	.3 mg/g creatinine	
	Iedium: urine	
	ïme: end of shift	
P	arameter: o-Cresol with hydrolysis (background)	
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78-93-3	butanone
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BEI 2 mg/L Medium: urine Time: end of shift

Parameter: MEK

• Additional information: The lists that were valid during the creation were used as basis.

· Exposure controls

- · Personal protective equipment:
- General protective and hygienic measures:

Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing. Wash hands before breaks and at the end of work. Store protective clothing separately.

Avoid contact with the eyes and skin.

· Breathing equipment:

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.

• Protection of hands:

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation



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

• Eye protection:



Tightly sealed goggles

9 Physical and chemical properties

- · Information on basic physical and chemical properties
- · General Information
- · Appearance:
- Form:
- Color:
- · Odor:
- Odor threshold:

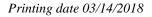
Liquid According to product specification Characteristic Not determined.

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	(Contd. of page
pH-value:	Not determined.
Change in condition Melting point/Melting range: Boiling point/Boiling range:	Undetermined. 79-80.5 °C
Flash point:	-4 °C
Flammability (solid, gaseous):	Not applicable.
Ignition temperature:	535 °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: Upper:	1.2 Vol % 7 Vol %
Vapor pressure at 20 °C:	29 hPa
Density at 20 °C: Relative density Vapor density Evaporation rate	0.96797 g/cm ³ Not determined. Not determined. Not determined.
Solubility in / Miscibility with Water:	Not miscible or difficult to mix.
Partition coefficient (n-octanol/wat	ter): Not determined.
Viscosity: Dynamic: Kinematic:	Not determined. Not determined.
Solvent content: Organic solvents: VOC content:	74.2 % 74.18 % 718.0 g/l / 5.99 lb/gl
Solids content: Other information	24.7 % No further relevant information available.

10 Stability and reactivity

· Reactivity No further relevant information available.

· Chemical stability

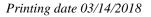
• Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.

- · Possibility of hazardous reactions No dangerous reactions known.
- \cdot Conditions to avoid No further relevant information available.
- $\cdot \textit{Incompatible materials: } No further relevant information available.$

· Hazardous decomposition products: No dangerous decomposition products known.

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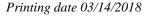
nformatio cute toxi		ological effects
	-	are relevant for classification:
08-88-3 t	oluene	
Dral	LD50	5,000 mg/kg (rat)
Dermal	LD50	12,124 mg/kg (rabbit)
ıhalative	LC50/4 h	5,320 mg/l (mouse)
The produ Irritant	ct shows th	e following dangers according to internally approved calculation methods for prepara
Carcinoge	nic catego	ries
IARC (Int	ernational	Agency for Research on Cancer)
108-88-3	toluene	
NTP (Nat	onal Toxi	cology Program)
Vone of th	e ingredier	nts is listed.
OSHA-Ca	(Occupati	onal Safety & Health Administration)
	(• • • • r • • • r	

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.
- *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.
- · Other adverse effects No further relevant information available.

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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.

14 Transport information · UN-Number · DOT, ADR, IMDG, IATA UN1263 · UN proper shipping name $\cdot DOT$ Paint 1263 Paint, special provision 640D $\cdot ADR$ · IMDG, IATA PAINT • Transport hazard class(es) · DOT · Class 3 Flammable liquids 3 · Label · ADR, IMDG, IATA 3 Flammable liquids · Class · Label 3 · Packing group · DOT, ADR, IMDG, IATA Π · Environmental hazards: · Marine pollutant: No Warning: Flammable liquids · Special precautions for user · EMS Number: F-E, S-E· Stowage Category В · Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code Not applicable. (Contd. on page 10) US A



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	(Contd. of page 9
· Transport/Additional information:	
·DOT	
• Quantity limitations	On passenger aircraft/rail: 5 L
	On cargo aircraft only: 60 L
· ADR	
\cdot 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)	5L
\cdot Excepted quantities (EQ)	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, II

15 Regulatory information

· Safety, health and environmental regulations/legislation specific for the substance or mixture · Sara

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· Chemicals known to cause developmental toxicity:	
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- 108-88-3 toluene
- · Cancerogenity categories
- · EPA (Environmental Protection Agency)

108-88-3 toluene

78-93-3 butanone

· TLV (Threshold Limit Value established by ACGIH)

108-88-3 toluene

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

None of the ingredients is listed.

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



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Hazard-determ	ining components of labeling:
toluene	
butanone	
Hazard stateme	ents
H225 Highly fle	ammable liquid and vapor.
H315 Causes sh	kin irritation.
H319 Causes se	erious eye irritation.
H361 Suspected	d of damaging fertility or the unborn child.
H336 May caus	se drowsiness or dizziness.
H373 May caus	se damage to organs through prolonged or repeated exposure.
Precautionary	statements
P201	Obtain special instructions before use.
P202	Do not handle until all safety precautions have been read and understood.
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.
P260	Do not breathe dust/fume/gas/mist/vapors/spray.
P264	Wash thoroughly after handling.
P271	Use only outdoors or in a well-ventilated area.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P303+P361+P	353 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	338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308+P313	IF exposed or concerned: Get medical advice/attention.
P312	Call a poison center/doctor if you feel unwell.
P321	Specific treatment (see on this label).
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P314	Get medical advice/attention if you feel unwell.
P362+P364	Take off contaminated clothing and wash it before reuse.
P332+P313	If skin irritation occurs: Get medical advice/attention.
P337+P313	If eye irritation persists: Get medical advice/attention.
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 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 / 8
- · 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 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 Repr. 2: Reproductive toxicity – Category 2 STOT SE 3: Specific target organ toxicity (single exposure) – Category 3 STOT RE 2: Specific target organ toxicity (repeated exposure) - Category 2

• * Data compared to the previous version altered.