

Reviewed on 01/08/2016

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1 Identification

- · Product identifier
- · Trade name: 13000 Series Color Coat Clears RTS
- · Article number: 13001, 13004, 13006, 13011, 13014, 13016, 13021, 13024, 13026
- 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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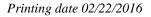
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	(Contd. of page 1)
• Hazard statements	
	nable liquid and vapor.
H315 Causes skin	
H319 Causes serio	
	damaging fertility or the unborn child.
	rowsiness or dizziness.
	amage to organs through prolonged or repeated exposure.
· Precautionary stat	
P210	Keep away from heat/sparks/open flames/hot surfaces. No smoking.
P241	Use explosion-proof electrical/ventilating/lighting/equipment.
P260	Do not breathe dust/fume/gas/mist/vapors/spray.
P280	Wear protective gloves / eye protection / face protection.
P240	Ground/bond container and receiving equipment.
P242	Use only non-sparking tools.
P243	Take precautionary measures against static discharge.
P264	Wash thoroughly after handling.
P271	Use only outdoors or in a well-ventilated area.
P201	Obtain special instructions before use.
P202	Do not handle until all safety precautions have been read and understood.
P303+P361+P353	<i>If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower.</i>
P305+P351+P338	If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present
P321	and easy to do. Continue rinsing.
P304+P340	Specific treatment (see on this label).
P312	IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell.
P308+P313	
	IF exposed or concerned: Get medical advice/attention.
P332+P313	If skin irritation occurs: Get medical advice/attention.
P337+P313	If eye irritation persists: Get medical advice/attention.
P314	Get medical advice/attention if you feel unwell.
P370+P378	In case of fire: Use for extinction: CO2, powder or water spray.
P362+P364	Take off contaminated clothing and wash it before reuse.
P405	Store locked up.
P403+P233	Store in a well-ventilated place. Keep container tightly closed.
P403+P235	Store in a well-ventilated place. Keep cool.
P501	Dispose of contents/container in accordance with local/regional/national/international regulations.
 Classification system NFPA ratings (scale) 	
	lth = 2
20 Fire	= 3 ctivity $= 0$
	-
· HMIS-ratings (sca	
HEALTH 2 Hea	alth = 2

FIRE3Fire = 3REACTIVITY0Reactivity = 0

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• Other hazards

· Results of PBT and vPvB assessment

· PBT:

vinyl resin

• **vPvB:** Not applicable.

3 Composition/information on ingredients

· Chemical characterization: Mixtures

· Description:

Mixture: consisting of the following components. Weight percentages

· Dangerous components

· Dangerous components:		
108-88-3	toluene	60 - 70%
78-93-3	butanone	13 - 30%
	vinyl resin	1.5 - 5%
		1.5 - 5%
108-65-6	2-methoxy-1-methylethyl acetate	1.5 - 5%

4 First-aid measures

· Description of first aid measures

- · General information: Immediately remove any clothing soiled by the product.
- · 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
- During heating or in case of fire poisonous gases are produced.
- · Advice for firefighters
- · Protective equipment: Mouth respiratory protective device.

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6 Accidental release measures

- Personal precautions, protective equipment and emergency procedures Mount respiratory protective device.
- Wear protective equipment. Keep unprotected persons away.
- Environmental precautions: Do not allow to enter sewers/surface or ground water. • Methods and material for containment and cleaning up:
- Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Dispose contaminated material as waste according to item 13. Ensure adequate ventilation.
- **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.

7 Handling and storage

· Handling:

- **Precautions for safe handling** No special measures required.
- Ensure good ventilation/exhaustion at the workplace. Open and handle receptacle with care. Prevent formation of aerosols.
- Information about protection against explosions and fires: Keep ignition sources away - Do not smoke. Protect against electrostatic charges. Keep respiratory protective device available.
- · 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.
- \cdot 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.

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· Control parameters
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· Comp	onents with limit values that require monitoring at the workplace:
108-88	8-3 toluene
PEL	Long-term value: 200 ppm Ceiling limit value: 300; 500* ppm *10-min peak per 8-hr shift
REL	Short-term value: 560 mg/m³, 150 ppm Long-term value: 375 mg/m³, 100 ppm
	(Contd. on page 5)

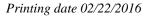


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TLV	<i>Long-term value: 75 mg/m³, 20 ppm</i>
	BEI
	3 butanone
PEL	Long-term value: 590 mg/m³, 200 ppm
REL	Short-term value: 885 mg/m ³ , 300 ppm
	Long-term value: 590 mg/m³, 200 ppm
TLV	Short-term value: 885 mg/m ³ , 300 ppm
	Long-term value: 590 mg/m ³ , 200 ppm
100 25	BEI
	<i>Long-term value: 50 ppm</i>
	lients with biological limit values:
-	R-3 toluene
	02 mg/L Iedium: blood
	ime: prior to last shift of workweek
	arameter: Toluene
0.	03 mg/L
	ledium: urine
	ime: end of shift
P	arameter: Toluene
0.	3 mg/g creatinine
	ledium: urine
	ime: end of shift
	arameter: o-Cresol with hydrolysis (background)
	3 butanone
BEI 2	
	ledium: urine ime: end of shift
	arameter: MEK
	onal information: The lists that were valid during the creation were used as basis.
	ure controls
	al protective equipment: al protective and hygienic measures:
	way from foodstuffs, beverages and feed.
	iately remove all soiled and contaminated clothing.
	hands before breaks and at the end of work.
	protective clothing separately.
Avoid o	contact with the eyes and skin.
	ing equipment:
	e of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure us utory protective device that is independent of circulating air.
	tion of hands:
Protect Due to	missing tests no recommendation to the glove material can be given for the product/ the preparation/ the cal mixture.



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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.

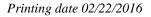
- · Material of gloves
- The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance 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 General Information 	enemieur propernes
· Appearance:	
Form:	Liquid
Color:	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:	79 °C
· Flash point:	-4 °C
· Flammability (solid, gaseous):	Not applicable.
· Ignition temperature:	514 °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:	1.2 Vol %
Upper:	11.5 Vol %
· Vapor pressure at 20 °C:	105 hPa
· Density at 20 °C:	0.89294 g/cm ³
· Relative density	Not determined.



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· Vapor density	Not determined.	
· Evaporation rate	Not determined.	
· Solubility in / Miscibility with		
Water:	Not miscible or difficult to mix.	
· Partition coefficient (n-octano	l/water): Not determined.	
· Viscosity:		
Dynamic:	Not determined.	
Kinematic:	Not determined.	
· Solvent content:		
Organic solvents:	87.4 %	
VOC content:	87.4 %	
	780.7 g/l / 6.52 lb/gl	
Solids content:	12.6 %	
• 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:

108-88-3 toluene

Oral	LD50	5000 mg/kg (rat)
Dermal	LD50	12124 mg/kg (rabbit)
Inhalative	LC50/4 h	5320 mg/l (mouse)

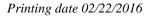
· Primary irritant effect:

- on the skin: Irritant to skin and mucous membranes.
- on the eye: Irritating effect.
- Sensitization: No sensitizing effects known.
- · Additional toxicological information:

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

· Carcinogenic categories

· IARC (In	ternational Agency for Research on Cancer)	
<i>108-88-3</i>	toluene	3
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BENTONITE

(Contd. of page 7) suspected carcinogen <2% 14808-60-7

· NTP (National Toxicology Program)

None of the ingredients is listed.

· 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.
- *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:

vinyl resin

- · vPvB: Not applicable.
- · 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		
· DOT, IATA	Paint	
· ADR	1263 Paint, special provision 640D	
·IMDG	PAINT	



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Transport hazard class(es)	
DOT	
3	
- Class	3 Flammable liquids
Label	3
ADR, IMDG, IATA	
Class	3 Flammable liquids
Label	3
Packing group	
DOT, ADR, IMDG, IATA	II
Environmental hazards:	
Marine pollutant:	No
Special precautions for user	Warning: Flammable liquids
EMS Number:	<i>F-E</i> , <u><i>S-E</i></u>
Stowage Category	В
Transport in bulk according to Annex II of	
MARPOL73/78 and the IBC Code	Not applicable.
Transport/Additional information:	
DOT	
Quantity limitations	On passenger aircraft/rail: 5 L
	On cargo aircraft only: 60 L
Remarks	ORM-D 49CFR 173-150,156,306
ADR	
Excepted quantities (EQ)	Code: E2 Maximum not augustitu non innon nachaoinea 20 ml
	Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml
nma	
IMDG Limited quantities (LQ)	5L
Excepted quantities (EQ)	Code: E2
(<u></u>)	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

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15 D 1		• •	
15 Regul	atory i	inform	ation

*

• Section 355 (extremely hazardous substances):	
None of the ingredient is listed.	
Section 313 (Specific toxic chemical listings):	
108-88-3 toluene	
78-93-3 butanone	
71-36-3 butan-1-ol	
TSCA (Toxic Substances Control Act):	
108-88-3 toluene	
78-93-3 butanone	
16883-83-3 benzyl 3-isobutryloxy-1-isopropyl-2-2-dimethylpropyl phthalate	
vinyl resin	
2807-30-9 2-(propyloxy)ethanol	
108-65-6 2-methoxy-1-methylethyl acetate	
71-36-3 butan-1-ol	
Proposition 65	
Chemicals known to cause cancer:	
None of the ingredients is listed.	
Chemicals known to cause reproductive toxicity for females:	
108-88-3 toluene	
Chemicals known to cause reproductive toxicity for males:	
None of the ingredients is listed.	
Chemicals known to cause developmental toxicity:	
108-88-3 toluene	
Cancerogenity categories	
EPA (Environmental Protection Agency)	
108-88-3 toluene	
78-93-3 butanone	
71-36-3 butan-1-ol	
TLV (Threshold Limit Value established by ACGIH)	
108-88-3 toluene	F
NIOSH-Ca (National Institute for Occupational Safety and Health)	
None of the ingredients is listed.	



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Safety Data Sheet acc. to OSHA HCS



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Signal word Da	(Contd. of page
-	ning components of labeling:
toluene	ning components of tabeting.
butanone	
Hazard statemen	
	mmable liquid and vapor.
H315 Causes ski	
	rious eye irritation.
	of damaging fertility or the unborn child.
	e drowsiness or dizziness.
	e damage to organs through prolonged or repeated exposure.
Precautionary s	
P210	Keep away from heat/sparks/open flames/hot surfaces. No smoking.
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P280	Wear protective gloves / eye protection / face protection.
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P242	Use only non-sparking tools.
P243	Take precautionary measures against static discharge.
P264	Wash thoroughly after handling.
P271	Use only outdoors or in a well-ventilated area.
P201	Obtain special instructions before use.
P202	Do not handle until all safety precautions have been read and understood.
P303+P361+P3	153 If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with wat shower.
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	and easy to do. Continue rinsing.
P321	Specific treatment (see on this label).
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P312	Call a POISON CENTER/doctor if you feel unwell.
P308+P313	IF exposed or concerned: Get medical advice/attention.
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<i>P370+P378</i>	In case of fire: Use for extinction: CO2, powder or water spray.
P362+P364	Take off contaminated clothing and wash it before reuse.
P405	Store locked up.
P403+P233	Store in a well-ventilated place. Keep container tightly closed.
P403+P235	Store in a well-ventilated place. Keep cool.
P501	Dispose of contents/container in accordance with local/regional/national/internation regulations.

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: Steve Gaver (sgaver@semproducts.com)

 \cdot Date of preparation / last revision 02/22/2016 / 5

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· 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, Hazard Category 2
Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2
Eye Irrit. 2A: Serious eye damage/eye irritation, Hazard Category 2A
Repr. 2: Reproductive toxicity, Hazard Category 2 STOT SE 2: Second concernment containing Single company, Hazard Category 2
STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3 STOT RE 2: Specific target organ toxicity - Repeated exposure, Hazard Category 2
$\cdot *$ Data compared to the previous version altered.
USA — USA