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Reviewed on 04/01/2015

1 Identification

· Product identifier

· Trade name: 15003-15893 Color Coat Aerosol

· Article number:

15003, 15013, 15023, 15033, 15043, 15053, 15063, 15083, 15093, 15103, 15113, 15123, 15133, 15143, 15163, 15173, 15183, 15213, 15223, 15233, 15243, 15253, 15273, 15283, 15293, 15303, 15313, 15323, 15353, 15373, 15373, 15393, 15413, 15423, 15453, 15463, 15473, 15483, 15493, 15603, 15643, 15673, 15703, 15713, 15723, 15753, 15763, 15773, 15783, 15793, 15803, 15813, 15823, 15833, 15843, 15853, 15863, 15873, 15893

• Relevant identified uses of the substance or mixture and uses advised against No further relevant information available.

• Application of the substance / the mixture Coating

· 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 Emergence: tolerhouse symplem: CHEMTREC 1 800 424 0200
- Emergency telephone number: CHEMTREC 1-800-424-9300

2 Hazard(s) identification

 \land

· Classification of the substance or mixture

GHS02 GHS04 Flame, Gas cylinder

Flam. Aerosol 1 H222-H229 Extremely flammable aerosol. Pressurized container: May burst if heated.

· Label elements

• GHS label elements The product is classified and labeled according to the Globally Harmonized System (GHS). (Contd. on page 2)

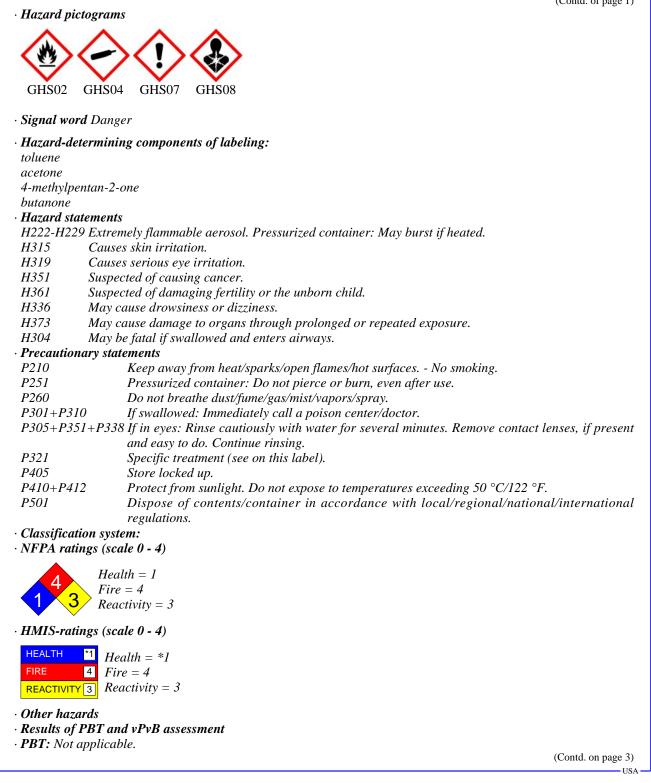
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· vPvB: Not applicable.

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3 Composition/information on ingredients

- · Chemical characterization: Mixtures
- · Description:

Mixture: consisting of the following components. Weight percentages

· Dangerous components:		
67-64-1	acetone	30 - 40%
68476-86-8	Petroleum gases, liquefied, sweetened	13 - 30%
108-88-3	toluene	10 -13%
110-19-0	isobutyl acetate	1.5 - 5%
108-10-1	4-methylpentan-2-one	1.5 - 5%
78-93-3	butanone	1.5 - 5%
108-65-6	2-methoxy-1-methylethyl acetate	1-1.5%
	2-(propyloxy)ethanol	1-1.5%
13463-67-7	titanium dioxide	<i>≤1%</i>
1333-86-4	Carbon black	<i>≤1%</i>
67-56-1	methanol	<i>≤1%</i>

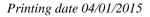
4 First-aid measures

- · Description of first aid measures
- · After inhalation: Supply fresh air; consult doctor in case of complaints.
- · 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, sand, extinguishing powder. Do not use water.
- · 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.

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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.
- \cdot Methods and material for containment and cleaning up:
- Dispose contaminated material as waste according to item 13. Ensure adequate ventilation.
- Do not flush with water or aqueous cleansing agents
- · 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.
- Information about protection against explosions and fires: Do not spray on a naked flame or any incandescent material. Keep ignition sources away - Do not smoke. Protect against electrostatic charges. Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50 °C, i.e. electric lights. Do not pierce or burn, even after use.
- · Conditions for safe storage, including any incompatibilities
- · Storage:
- Requirements to be met by storerooms and receptacles: Store in a cool location.
 Observe official regulations on storing packagings with pressurized containers.
 Information about storage in one common storage facility: Not required.
 Further information about storage conditions: Keep receptacle tightly sealed.
- Do not gas tight seal receptacle.
- Store in cool, dry conditions in well sealed receptacles.
- Protect from heat and direct sunlight.
- · 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:

- 67-64-1 acetone
- PEL Long-term value: 2400 mg/m³, 1000 ppm

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REL	Long-term value: 590 mg/m ³ , 250 ppm	(Contd. of page
kel TLV	<i>Long-term value: 590 mg/m³, 250 ppm</i> <i>Short-term value: (1782) NIC-1187 mg/m³, (750) NIC-500 ppm</i>	
1 L V	Long-term value: (1782) NIC-1187 mg/m², (750) NIC-500 ppm BEI	
108-88	-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	
TLV	Long-term value: 75 mg/m³, 20 ppm BEI	
110-19	-0 isobutyl acetate	
PEL	Long-term value: 700 mg/m³, 150 ppm	
REL	Long-term value: 700 mg/m³, 150 ppm	
TLV	Long-term value: 713 mg/m³, 150 ppm	
108-10	-1 4-methylpentan-2-one	
PEL	Long-term value: 410 mg/m³, 100 ppm	
REL	Short-term value: 300 mg/m³, 75 ppm Long-term value: 205 mg/m³, 50 ppm	
TLV	Short-term value: 307 mg/m³, 75 ppm Long-term value: 82 mg/m³, 20 ppm BEI	
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/m³, 200 ppm BEI	
108-65	-6 2-methoxy-1-methylethyl acetate	
WEEL	Long-term value: 50 ppm	
67-56-1	l methanol	
PEL	Long-term value: 260 mg/m³, 200 ppm	
REL	Short-term value: 325 mg/m³, 250 ppm Long-term value: 260 mg/m³, 200 ppm Skin	
TLV	Skin Short-term value: 328 mg/m³, 250 ppm Long-term value: 262 mg/m³, 200 ppm Skin; BEI	
Ingred	ients with biological limit values:	
67-64-1	1 acetone	
		(Contd. on page

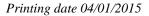
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DEI	(Contd. of page
BEI	50 mg/L
	Medium: urine
	Time: end of shift
	Parameter: Acetone (nonspecific)
	88-3 toluene
BEI	0.02 mg/L
	Medium: blood
	Time: prior to last shift of workweek
	Parameter: Toluene
	0.03 mg/L
	Medium: urine
	Time: end of shift
	Parameter: Toluene
	0.3 mg/g creatinine
	Medium: urine
	Time: end of shift
	Parameter: o-Cresol with hydrolysis (background)
	10-1 4-methylpentan-2-one
BEI	1 mg/L
	Medium: urine
	Time: end of shift
	Parameter: MIBK
	3-3 butanone
BEI	2 mg/L
	Medium: urine
	Time: end of shift
	Parameter: MEK
67-5	6-1 methanol
BEI	15 mg/L
	Medium: urine
	Time: end of shift
	Parameter: Methanol (background, nonspecific)
Addi	itional information: The lists that were valid during the creation were used as basis.
Expo	osure controls
	onal protective equipment:
Gene	eral protective and hygienic measures:
Keep	o away from foodstuffs, beverages and feed.
Imm	ediately remove all soiled and contaminated clothing.
	h hands before breaks and at the end of work.
	d contact with the eyes.
	d contact with the eyes and skin.
	thing equipment:
In ca	use of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure u
	iratory protective device that is independent of circulating air.
respi	ection of hands:
respi Prot	
respi Prot e Due	to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the nical 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.

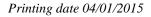
- · Material of gloves
- The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance 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 	
· Appearance:	
Form:	Aerosol
Color:	According to product specification
· Odor:	Characteristic
· Odour threshold:	Not determined.
· pH-value:	Not determined.
· Change in condition	
Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	55 °C
· Flash point:	-103 °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:	1.2 Vol %
Upper:	13.0 Vol %
· Vapor pressure at 20 °C:	233 hPa
· Density at 20 °C:	0.81036 g/cm ³
· Relative density	Not determined.



EM

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Trade name: 15003-15893 Color Coat Aerosol

		(Contd. of page
· Vapour density	Not determined.	
· Evaporation rate	Not applicable.	
· Solubility in / Miscibility with		
Water:	Not miscible or difficult to mix.	
· Partition coefficient (n-octanol/w	ater): Not determined.	
· Viscosity:		
Dynamic:	Not determined.	
Kinematic:	Not determined.	
· Solvent content:		
Organic solvents:	90.1 %	
VOC content:	54.8 %	
	696.1 g/l / 5.81 lb/gl	
Solids content:	10.0 %	
• Other information	No further relevant information available.	

10 Stability and reactivity

· Reactivity

· 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		12124 mg/kg (rabbit)
Inhalative		5320 mg/l (mouse)

· Primary irritant effect:

• on the skin: No irritant effect.

• 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 (International Agency for Research on Cancer)

108-88-3 toluene

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		(Contd. of page 8)	
108-10-1	4-methylpentan-2-one	28	
13463-67-7	titanium dioxide	2B	
1333-86-4	Carbon black	2B	
7631-86-9	silicon dioxide, chemically prepared	3	
1330-20-7	xylene	3	
100-41-4	ethylbenzene	2B	
· NTP (Natio	nal Toxicology Program)		
None of the	None of the ingredients is listed.		
· OSHA-Ca (· 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.
- · 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	UN1950	
· UN proper shipping name		
$\cdot DOT$	Aerosols, flammable	
·ADR	1950 Aerosols	
·IMDG	AEROSOLS	



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IATA	AEBOSOLS flammable
	AEROSOLS, flammable
Transport hazard class(es)	
DOT	
2	
Class	2.1
Label	2.1
ADR	
•	
Class Label	2 5F Gases 2.1
	2.1
IMDG, IATA	
Class	2.1
Label	2.1
Packing group	
DOT, ADR, IMDG, IATA	Void
Environmental hazards:	
Marine pollutant:	No
Special precautions for user	Warning: Gases
EMS Number:	F-D,S-Ŭ
Transport in bulk according to Annex	
MARPOL73/78 and the IBC Code	Not applicable.
Transport/Additional information:	
DOT	
Quantity limitations	On passenger aircraft/rail: 75 kg
	On cargo aircraft only: 150 kg
Hazardous substance:	1 lbs, 0.454 kg
ADR	
Excepted quantities (EQ)	Code: E0 Not permitted as Excepted Quantity
	Not permitted as Excepted Quantity
IMDG	11
Limited quantities (LQ) Excepted quantities (EQ)	1L Code: E0
Excepted quantities (EQ)	Not permitted as Excepted Quantity
	(Contd. on page



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· UN "Model Regulation":

UN1950, Aerosols, 2.1

15 Regulatory information

· Safety, health and environmental regulations/legislation specific for the substance or mixture · Sara · Section 355 (extremely hazardous substances): None of the ingredient is listed. · Section 313 (Specific toxic chemical listings): 108-88-3 toluene ACRYLIC RESIN 108-10-1 4-methylpentan-2-one 78-93-3 butanone 67-56-1 methanol 1330-20-7 xylene 100-41-4 ethylbenzene · TSCA (Toxic Substances Control Act): 67-64-1 acetone 68476-86-8 Petroleum gases, liquefied, sweetened 108-88-3 toluene 110-19-0 isobutyl acetate 108-10-1 4-methylpentan-2-one 78-93-3 butanone 763-69-9 ethyl 3-ethoxypropionate 108-65-6 2-methoxy-1-methylethyl acetate 2807-30-9 2-(propyloxy)ethanol 13463-67-7 titanium dioxide 1333-86-4 Carbon black 51274-00-1 YELLOW IRON OXIDE 67-56-1 methanol 1332-37-2 Iron oxide 7631-86-9 silicon dioxide, chemically prepared · Proposition 65 · Chemicals known to cause cancer: 108-10-1 4-methylpentan-2-one 13463-67-7 titanium dioxide 1333-86-4 Carbon black 1330-20-7 xylene 100-41-4 ethylbenzene · Chemicals known to cause reproductive toxicity for females:

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		(Contd. of page 11
· Chemicals	known to cause reproductive toxicity for males:	
None of the	ingredients is listed.	
· Chemicals	known to cause developmental toxicity:	
108-88-3 t	oluene	
108-10-1 4	-methylpentan-2-one	
67-56-1 n	nethanol	
· Canceroge	nity categories	
· EPA (Envi	ronmental Protection Agency)	
67-64-1	acetone	Ι
108-88-3	toluene	II
108-10-1	4-methylpentan-2-one	Ι
78-93-3	butanone	Ι
1330-20-7	xylene	Ι
100-41-4	ethylbenzene	D
• TLV (Thre	shold Limit Value established by ACGIH)	· · · · · ·
67-64-1	acetone	A4
108-88-3	toluene	A4
13463-67-7	titanium dioxide	A4
1333-86-4	Carbon black	A4
1330-20-7	xylene	A4
100-41-4	ethylbenzene	A3
· NIOSH-Ca	(National Institute for Occupational Safety and Health)	
13463-67-7	titanium dioxide	
1333-86-4	Carbon black	
67-56-1	methanol	

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

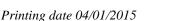


· Signal word Danger

Hazard-determining components of labeling: toluene acetone
4-methylpentan-2-one butanone
Hazard statements
H222-H229 Extremely flammable aerosol. Pressurized container: May burst if heated. H315 Causes skin irritation.
H319 Causes serious eye irritation.
H351 Suspected of causing cancer.
H361 Suspected of damaging fertility or the unborn child.

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	(Contd. of page 12)
H336	May cause drowsiness or dizziness.
H373	May cause damage to organs through prolonged or repeated exposure.
H304	May be fatal if swallowed and enters airways.
Precau	tionary statements
P210	Keep away from heat/sparks/open flames/hot surfaces No smoking.
P251	Pressurized container: Do not pierce or burn, even after use.
P260	Do not breathe dust/fume/gas/mist/vapors/spray.
P301 + I	P310 If swallowed: Immediately call a poison center/doctor.
P305 + I	P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present
	and easy to do. Continue rinsing.
P321	Specific treatment (see on this label).
P405	Store locked up.
P410+1	P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.
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: Steve Gaver (sgaver@semproducts.com)
- · Date of preparation / last revision 04/01/2015 / 13
- 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

Flam. Aerosol 1: Flammable aerosols, Hazard Category 1

Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2

Eye Irrit. 2A: Serious eye damage/eye irritation, Hazard Category 2A

Carc. 2: Carcinogenicity, Hazard Category 2 Repr. 2: Reproductive toxicity, 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

Asp. Tox. 1: Aspiration hazard, Hazard Category 1

• * Data compared to the previous version altered.

USA

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