

HEALTH	See
FLAMMABILITY	Section
REACTIVITY	XV

BIG SKY COMPLIANCE COATINGS
AEROSOL PRODUCTS

SECTION I. IDENTIFICATION OF SUBSTANCE

Manufactured For: ChemSpec USA, Inc. 9287 Smucker Road Orrville, OH 44667	Telephone: Corporate Office: Chemtrec Emergency: Online:	1-888/276-7071 1-800/328-4892 1-800/424-9300 www.chemspecpaint.com
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Products on this MSDS: **SA210, SA220, SA680, SA5620**

OSHA Hazard Class: Flammable Liquid

DOT Shipping Class: ORM-D

Hazardous Materials Information: See Section XV

SECTION II. COMPOSITION/DATA/EXPOSURE CONTROLS/ PERSONAL PROTECTION

INGREDIENTS	CAS#	SARA 313 REPORT	COMPONENTS WITH LIMIT VALUES THAT REQUIRE MONITORING AT THE WORKPLACE					
			PEL		REL		TLV	
			Short Term Value	Long Term Value	Short Term Value	Long Term Value	Short Term Value	Long Term Value
1. Acetone	67-64-1	No	----	----	----	----	1782 mg/m ³ , 750 ppm	600 mg/m ³ , 250 ppm
2. Aluminum Silicate	1332-58-7	No	15*; 5** mg/m ³ , *Total dust **Respirable fraction		10*; 5** mg/m ³ , *Total dust **Respirable fraction		2 R mg/m ³ , (e)	
3. Asphalt	8052-42-4	No	----	----	C 5* mg/m ³ fume; *15-min		0.5 I mg/m ³ As benzene-soluble aerosol	
4. Calcium Carbonate	1317-65-3	No	15*; 5** mg/m ³ , *Total dust **Respirable fraction		10*; 5** mg/m ³ , *Total dust **Respirable fraction		10 mg/m ³ , (e)	
5. Ester EEP	763-69-9	No	----	----	----	----	----	----
6. Glycol Ether EP	2807-30-9	No	----	----	----	----	86 mg/m ³ , 20 ppm	86 mg/m ³ , 20 ppm
8. Heptan-2-One	110-43-0	No	465 mg/m ³ , 100 ppm		465 mg/m ³ , 100 ppm		233 mg/m ³ , 50 ppm	
9. Hydrocarbon Resin	9011-11-4	No	----	----	----	----	----	----
10. Methanol	67-56-1	Yes	260 mg/m ³ , 200 ppm		325 mg/m ³ , 250 ppm	260 mg/m ³ , 200 ppm, Skin	262 mg/m ³ , 200 ppm	262 mg/m ³ , 200 ppm, Skin; BEI
11. Methoxy Propyl Acetate	108-65-6	No	WEEL: 100 ppm		----	----	----	----
12. Methyl Isobutyl Ketone	108-10-1	Yes	300 mg/m ³ , 75 ppm	205 mg/m ³ , 100 ppm	300 mg/m ³ , 75 ppm	205 mg/m ³ , 50 ppm	307 mg/m ³ , 75 ppm	205 mg/m ³ , 50 ppm, BEI
13. Mineral Spirits	64742-47-8	No	----	----	----	----	200 mg/m ³ , As total hydrocarbon vapor; Skin; (P)	
14. N-Butane	106-97-8	No	1900 mg/m ³ , 800 ppm		----	----	1900 mg/m ³ , 800 ppm	

15. Propane	74-98-6	No	1800 mg/m ³ , 1000 ppm	N.E. mg/m ³ , N.E. ppm	1800 mg/m ³ , 1000 ppm	(4508) mg/m ³ , (2500) ppm	
16. Talc	14807-96-6	No	----	----	----	----	----
17. Titanium Dioxide	13463-67-7	No	----	----	----	----	----
17. Toluene	108-88-3	Yes	----	----	----	500 mg/m ³ , 300 ppm	375 mg/m ³ , 200 ppm
18. VM&P Naptha	64742-89-8	No	----	----	----	----	----
19. Xylene (Note A)	1330-20-7	Yes	435 mg/m ³ , 100 ppm	655 mg/m ³ , 150 ppm	435 mg/m ³ , 100 ppm (o-, m-, & p-isomers)	651 mg/m ³ , 150 ppm	434 mg/m ³ , 100 ppm BEI

* Denotes 15 Minutes / ** Denotes 10 Minutes / N.E. = Not Established

Note A: Technical grade Xylene contains 18-20% Ethyl Benzene (100-41-4), which has PEL: 435 mg/m³, 100ppm; REL: Short-term 545 mg/m³, 125 ppm, Long-term 435 mg/m³, 100 ppm; TLV: Short-term 543 mg/m³, 125 ppm, Long-term 434 mg/m³, 100 ppm, BEI and is subject to the reporting requirements of Section 313 of Sara Title III.

Note B: See Section XV.for specific ingredients and SARA 313 reportable wt.% data.

Additional Information: The International Agency for Research on Cancer has evaluated Ethyl Benzene and classified it as a possible human carcinogen based on sufficient evidence for carcinogenicity in experimental animals, but inadequate evidence for cancer in exposed humans. However, a two year rat and mouse gavage study by the National Toxicology Program on mixed xylene isomers including 17% Ethyl Benzene showed no evidence of carcinogenicity.

Protective Hygienic Measures:

Keep away from foodstuffs and animal feed. Wash hands after use.

Breathing Equipment:

Use suitable respiratory protective device in case of insufficient ventilation. A respirator is generally not necessary when using this product outdoors or in large open areas. In cases of inadequate ventilation, a respiratory protective device should be worn to prevent overexposure.

Protection of Hands:

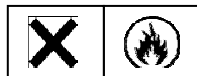
Wear protective gloves. The glove material has to be impermeable and resistant to the substance. No glove recommendation can be given.

Eye Protection:

Tightly sealed goggles.

SECTION III. HAZARDS IDENTIFICATION

Hazard Description:



Irritant
Extremely Flammable

Physical Dangers:

Extremely flammable liquid and vapor in a pressurized container. Keep away from heat, sparks, and flame.
Extremely flammable.
Irritating to eyes and respiratory system.
Vapors may cause drowsiness and dizziness.
Keep out of the reach of children.

Effects of Short Term Overexposure:

Vapors cause irritation to the eyes, nose, throat, skin, and central nervous system. Symptoms may include dizziness, throat irritation, headache, fatigue, swelling of eyes, and nausea.

Effects of Chronic

Overexposure:

May cause permanent brain and nervous system damage. Repeated overexposure can also damage kidneys, lungs, liver, heart, and blood. Intentional misuse by deliberately inhaling the contents may be harmful or fatal.

NFPA Ratings

(Scale 0 – 4):

Health = 1
Fire = 4
Reactivity = 3

HMIS Ratings

(Scale 0 – 4):

Health = 1
Fire = 4
Physical Hazard = 3

SECTION IV. FIRST AID MEASURES

After Inhalation:

Supply fresh air; consult doctor in case of complaints.

After Skin Contact:

Remove contaminated clothing. Wash exposed area with soap and water.

After Eye Contact:

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

After Swallowing:

Contact physician or poison control center.

SECTION V. FIRE FIGHTING MEASURES

Extinguishing Agents:

Use CO2, sand, extinguishing powder, or water spray. Fight larger fires with water spray or alcohol resistant foam.

Protective Equipment:

No special measures required.

SECTION VI. ACCIDENTAL RELEASE MEASURES

Personal Safety

Precautions:

Wear protective equipment. Keep unprotected persons away.

Environmental Safety

Precautions:

Inform appropriate authorities in case of seepage into water course or sewage system. Do not allow product to reach sewage systems or ground water.

Measures for Cleaning

/Collecting:

Do not flush with water or aqueous cleansing agents. Use diluted caustic solution. Soak up spills with inert absorbent material. Refer to Section XIII for disposal information.

SECTION VII. HANDLING AND STORAGE

Fire/Explosion Protection:

Do not smoke. Protect from electrostatic charges.

Storage Requirements:

Observe pressurized container storage regulations. Consult with your local authorities. Keep away from sources of heat and direct sunlight. Do not warehouse in subfreezing conditions.

SECTION VIII. PHYSICAL AND CHEMICAL PROPERTIES

General Information:

Color: According to trade name description in Section I.
Odor: Solvent
Boiling Point/
Boiling Range: -47°F (-44°C)

Flash Point: -2°F (-19°C)

Ignition Temperature:

SA210 410°F (210°C)
SA220 878°F (470°C)
SA680/SA5620 689°F (365.0°C)

Auto Igniting: Product is not self-igniting.

Danger of Explosion: Stable at normal temperatures. The can may burst when exposed to temperatures exceeding 120°F. In use, may form flammable/explosive vapor-air mixture.

Lower Explosion Limit: 1.7 Vol %

Upper Explosion Limit: 10.9 Vol %

Vapor Pressure: 40 PSI, 2750 hPa

Density/Specific Gravity: Between 0.77 and 0.90 (Water equals 1.00)

VOC Content: See Section 15.

**VOC WT. %
(less acetone):** See Section 15.

Solids Content: See Section 15.

SECTION IX. STABILITY AND REACTIVITY

Conditions to be

Avoided: Do not allow the can to exceed 120°F. Stable at normal temperatures.

Possibility of

Hazardous Reactions: No dangerous reactions known.

SECTION X. TOXICOLOGICAL INFORMATION

Primary Effect on Skin: No irritating effect.

Primary Effect on Eye: Irritating effect.

Sensitization: No sensitizing effects known.

SECTION XI. ECOLOGICAL/OTHER INFORMATION

This product does not contain any chloroflourocarbons (CFC's), chlorinated solvents, lead, mercury, cadmium, hexavalent chromium, polybrominated biphenyl (PBB), or polybrominated biphenyl ether (PDBE). No specific ecological data is available for this product.

SECTION XII. DISPOSAL CONSIDERATIONS

Disposal Method: Dispose of in accordance with local, state, and federal regulations. Do not puncture, incinerate, or compact. Partially empty cans must be disposed of responsibly. Do not heat or cut empty containers with electric or gas torches.

Recommendation: Empty cans should be recycled.

SECTION XIII. TRANSPORT INFORMATION

Hazard Class: 2.1

Identification Number: N/A

Label: 2.1

ADR/RID Class: 2 5F Gases

UN Number: 1950

IMDG Class: 2.1

Packaging Group: II

EMS Number: F-D, S-U

Marine Pollutant: No

ICAO/IATA Class: 2.1

Proper Shipping Name: Aerosols, Flammable, Consumer Commodity ORM-D

SECTION XIV. REGULATIONS

SARA Section 355 (extremely hazardous substances):
None of the ingredients in these products are listed.

<u>SARA Section 313 (specific toxic chemical listings):</u>		<u>Contained within Product Codes</u>
100-41-4	Ethyl Benzene	SA680, SA5620
67-56-1	Methanol	SA210
108-10-1	Methyl Isobutyl Ketone	SA5620
108-88-3	Toluene	SA210, SA220, SA680, SA5620
1330-20-7	Xylene	SA680, SA5620

TSCA (Toxic Substances Control Act):
All ingredients are listed.

PROPOSITION 65 Chemicals Known to Cause Cancer:
1336-86-4 Carbon Black
100-41-4 Ethyl Benzene

PROPOSITION 65 Chemicals Known to Cause Developmental Toxicity:

108-88-3 Toluene

Canadian WHMIS: Class A, B5---Flammable Aerosols

EPA:
A = Known human carcinogen
B = Probable human carcinogen
C = Possible human carcinogen
D = Not classified as to human carcinogenicity: Inadequate human and animal evidence of carcinogenicity (or no data is available)

100-41-4 Ethyl Benzene D
1330-20-7 Xylene (mix) D

IARC:
Group 2B = The ingredient is possibly carcinogenic to humans. There is limited evidence of carcinogenicity.
Group 3 = The ingredient is unclassified as to its carcinogenicity to humans.

8052-42-4 Asphalt 2B
100-41-4 Ethyl Benzene 2B
14807-96-6 Talc Mg3H2(SiO3)4 3
13463-67-7 Titanium Dioxide 2B
1330-20-7 Xylene (mix) 3

ACGIH TLVs:
A1 = Designates a confirmed human carcinogen
A2 = Designates a suspected human carcinogen
A3 = Designates an animal carcinogen
A4 = Designates "not classified as a human carcinogen"

1332-58-7 Aluminum Silicate A4
8052-42-4 Asphalt A4
13463-67-7 Titanium Dioxide A4
1330-20-7 Xylene (mix) A4

NIOSH:
8052-42-4 Asphalt
1333-86-4 Carbon Black
13463-67-7 Titanium Dioxide

SECTION XV. PHYSICAL PROPERTIES PER INDIVIDUAL PRODUCT

SA210 Aluminum Silicate 6%, Asphalt 12.1%, Calcium Carbonate 25.5%, Methanol 1.1%, Mineral Spirits 5.3%, N-Butane 3.7%, Propane 6.3%, Talc 3.6%, Toluene 9.1%, VM&P Naptha 5.9%.

Health:	1
Fire:	4
Reactivity:	3

Wt. % Solids: 48.2
VOC in Wt. % 22.3 (less acetone)
VOC 2.34 lbs/gallon or 280 g/liter

SA220 Asphalt 15.3%, Calcium Carbonate 31.3%, N-Butone 3.7%, Propane 6.3%, Talc 7.2%, Toluene 18.2%, VM&P Naptha 11.7%.

Health:	1
Fire:	4
Reactivity:	3

Wt. % Solids: 60.1
VOC in Wt. % 21.7 (less acetone)
VOC 1.81 lbs/gallon or 217 g/liter

