# MATERIAL SAFETY DATA SHEET

| | |
|---|---|
| HEALTH | 2 |
| FLAMMABILITY | 3 |
| REACTIVITY | 0 |

## BIG SKY COMPLIANCE COATINGS
## LACQUER THINNERS & REDUCERS

## SECTION I. MANUFACTURER

| | | |
|---|---|---|
| **ChemSpec USA, Inc.**<br>9287 Smucker Road<br>Orrville, OH 44667 | **Telephone:**<br>**Corporate Office:**<br>**Chemtrec Emergency:**<br>**Online:** | 1-888/276-7071<br>1-800/328-4892<br>1-800/424-9300<br>www.chemspecpaint.com |

Products on this MSDS:

**CR22RF, CR22RM, CR22RS, TH028, TH035, TH036, TH037, TH0860, TH0870, TH0885, TH0895, TH0898, TH2000, TH2800, TH3200, TH4700, TH4800, TH4900, TH5700, TH5800, TH5900, TH5950, TH5951, TH5952, TH07160, TH07175, TH07185, TH07195.**

OSHA Hazard Class: Flammable Liquid
DOT Shipping Class: Paint Related Materials UN1263
Hazardous Materials Information: See Section X.

## SECTION II. HAZARDOUS INGREDIENTS

Also see Section X.

| INGREDIENTS | CAS# | VAPOR PRESSURE 20°C (MMHg) | SARA 313 REPORT | EXPOSURE LIMITS | | | |
|---|---|---|---|---|---|---|---|
| | | | | OSHA | ACGIH | STEL | CEILING |
| 1. Acrylic Resin | Proprietary | N/A | No | N/A | N/A | N/A | ---- |
| 2. Acetone | 67-64-1 | 181 | No | 1000 ppm | 750 ppm | 1000 ppm* | ---- |
| 3. Butyl Acetate | 123-86-4 | 8.4 | No | 150 ppm | 150 ppm | 200 ppm* | ---- |
| 4. 2-Butoxy Ethanol | 111-76-2 | 0.6 | Yes | 50 ppm Skin | 25 ppm Skin | N/E | ---- |
| 5. 2-Butoxy Ethyl Acetate | 112-07-2 | 0.29 | No | N/E | N/E | N/E | ---- |
| 6. Chlorobenzotriflouride | 98-56-6 | 0.29 | No | N/E | N/E | N/E | ---- |
| 7. Ethyl Acetate | 141-78-6 | 76 | No | 400 ppm | 400 ppm | ---- | ---- |
| 8. Ethyl 3-Ethoxy Propionate | 763-69-9 | 1.11 | No | N/E | ---- | 50 ppm | ---- |
| 9. 2,Ethyl-Hexyl Acetate | 103-09-3 | N/E | No | N/E | ---- | ---- | ---- |
| 10. Heptane | 142-82-5 | 40 | No | 400 ppm | 400 ppm | 500 ppm | ---- |
| 11. Hexyl Acetate Isomers #1 | 88230-35-7 | 0.7 | No | N/E | 50 ppm | ---- | ---- |
| 12. Hexyl Acetate Isomers #2 | 90438-79-2 | 0.5 | No | N/E | 50 ppm | ---- | ---- |
| 13. Methoxy Propyl Acetate | 108-65-6 | 3.8 | No | N/E | N/E | N/E | ---- |
| 14. Methyl Amyl Ketone | 110-43-0 | 2.1 | No | 100 ppm | 100 ppm | 50 ppm | ---- |
| 15. Methyl Ethyl Ketone | 78-93-3 | 70 | Yes | 200 ppm | 200 ppm | 300 ppm* | ---- |
| 16. Methyl Isobutyl Ketone | 108-10-1 | 15 | Yes | 100 ppm | 50 ppm | 75 ppm* | ---- |
| 17. Mineral Spirits 66 | 8052-41-3 | 2.6 | No | 500 ppm | 150 ppm | 150 ppm | ---- |
| 18. N-Butyl Propionate | 590-01-2 | 3.4 | No | N/E | N/E | N/E | N/E |
| 19. 2-Propanol | 67-63-0 | 30 | No | 400 ppm | 400 ppm | 500 ppm | ---- |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 20. Resin A | Proprietary | N/A | No | N/A | N/A | N/A | ---- |
| 21. Solvent 100 | 64742-95-6 | 11 | No | 50 ppm | 50 ppm | 150 ppm | ---- |
| 22. Toluene | 108-88-3 | 26 | Yes | 100 ppm | 50 ppm | 150 ppm | 200 ppm** |
| 23. VM&P Naptha | 8032-32-4 | 38 | No | 300 ppm | 300 ppm | 400 ppm | N/E |
| 24. Naptha | 8030-30-6 | 5.2 | No | 300 ppm | 300 ppm | 400 ppm | N/E |
| 25. Xylene (Note A) | 1330-20-7 | 25 | Yes | 100 ppm | 100 ppm | 150 ppm | 200 ppm** |

**** Denotes 15 Minutes/** Denotes 10 Minutes/ (S) = Supplier/ N/E = Not Established***
***Note A:*** Technical grade Xylene contains 18-20% Ethylbenzene (100-41-4), which has 100ppm PEL, 100ppm TLV, 125ppm STEL and is subject to the reporting requirements of Section 313 of Sara Title III.

See Section X. for specific ingredients and SARA 313 reportable wt.% data.

## SECTION III. PHYSICAL DATA

Also see Section X.

| | | | |
|---|---|---|---|
| **Boiling Range:** | 129°F - 374 °F | **Evaporation Rate:** | Slower than Ether |
| **Solubility in $H_2O$:** | Miscible | **Vapor Density:** | Heavier than Air |
| **Volatile (%) by Volume:** | 99.36 - 100 | **Volatile (%) by Wt:** | 99.24 - 100 |
| **Weight per Gallon:** | 5.95 - 7.78 lbs./gal. | | |

## SECTION IV. FIRE AND EXPLOSION

Flash Point: See Section X.

Flammable Limits: .8% - 13%

Extinguishing Media: Water Spray ( for containment), Foam, Carbon Dioxide, Dry Chemical.

Special Fire Fighting Procedures:

Full protective equipment, including self-contained breathing apparatus, is recommended. Water from fogging nozzles may be used to cool closed containers to prevent pressure build up preventing rupturing. Do not use direct water stream on combustible or flammable liquid fires.

Unusual fire and explosion hazards:

When heated above the defined flash points these solvents emit flammable vapors which, when mixed with air, can burn or be explosive when exposed to any ignition source. Fine mists or spray may be flammable at temperatures below the flash point.

## SECTION V. HEALTH HAZARD DATA

General Effects:

**Ingestion:** Gastrointestinal distress. In the unlikely event of ingestion call a physician immediately and have the names of ingredients available.

**Inhalation:** May cause nose and throat irritation. Repeated and prolonged overexposure to solvents may lead to permanent brain and nervous system damage. Eye watering, headaches, nausea, dizziness and loss of coordination are signs that solvent levels are too high. If affected by inhalation of vapor or spray mist, remove to fresh air. If breathing difficulty persists, or occurs later, consult a physician.

**Skin or Eye Contact:** May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis. In case of eye contact, immediately flush with plenty of water for at least 15 minutes; call a physician. In case of skin contact, wash with soap and water. If irritation occurs, contact a physician.

Specific Effects:

**Aromatic Hydrocarbons, Solvent 100, Napthas & Mineral Spirits:** Laboratory studies with rats have shown that petroleum distillates cause kidney damage and kidney or liver tumors. These effects were not seen in similar studies with guinea pigs, dogs or monkeys. Several studies evaluating petroleum workers have not shown a significant increase of kidney damage or an increase in liver tumors.

**Butyl Acetate:** May cause abnormal liver function. Tests for embryo toxic activity in animals has been inconclusive. Has been toxic to the fetus in laboratory animals at doses that are toxic to the mother.

**2-Butoxy Ethanol:** Can be absorbed through the skin in harmful amounts. May cause injury to the kidneys, liver, blood and or bone marrow. Repeated over exposure may result in blood damage. Eye contact may cause corneal injury. Has been toxic to fetus in laboratory animals at levels toxic to the mother.

**2-Butoxy Ethyl Acetate:** Can be absorbed through the skin in harmful amounts. May destroy red blood cells. May cause kidney disorders.

**Ethylbenzene:** (Contributed from Xylene) - moderate toxicity by irritation to the skin, eyes, mucous membranes and by ingestion and inhalation routes. The International Agency for Research on Cancer (IARC) has evaluated ethylbenzene and classified it as a possible human carcinogen (Group 2B) based on sufficient evidence for carcinogenicity in experimental animals, but inadequate evidence for cancer in exposed humans.

**Ethyl 3-Ethoxy Propionate:** Has been toxic to the fetus in laboratory animals at doses that are toxic to the mother.

**Heptane:** Laboratory studies with rats have shown that petroleum distillates cause kidney damage and kidney or liver tumors. These effects were not seen in similar studies with guinea pigs, dogs, or monkeys. Several studies evaluating petroleum workers have not shown a significant increase of kidney damage or an increase in liver tumors.

**Methoxy Propyl:** May cause moderate eye burning. Continuous recurrent overexposure may result in liver and kidney injury.

**Methyl Amyl Ketone:** Ingestion studies on laboratory animals showed that very high oral doses caused increase liver and kidney weights.

**Methyl Ethyl Ketone:** High concentrations have caused embryo toxic effects in laboratory animals. Liquid splashes in the eyes may result in chemical burns.

**Methyl Isobutyl Ketone:** Continuous recurrent overexposure may cause liver or kidney injury.

**2-Proponal:** Ingestion studies on laboratory animals showed that very high oral doses caused increased liver and kidney weights.

**Toluene:** Continuous recurrent overexposure may cause liver or kidney damage. High airborne levels have produced irregular heartbeats in animals and occasional palpitations in humans. Rats exposed to very high airborne levels have exhibited high frequency hearing deficits. **Warning:** This chemical is known to the state of California to cause birth defects or other reproductive harm.

**Xylene:** High concentrations have caused embryo toxic effects in laboratory animals. Continuous re-over exposure may cause liver or kidney damage. Can be absorbed through the skin in harmful amounts.

## SECTION VI. REACTIVITY DATA

Stability: Stable

Incompatibility (Materials to avoid): None reasonably foreseeable.

Hazardous Decomposition Products: CO, $CO_2$, Smoke.

Hazardous Polymerization: Will not occur.

## SECTION VII. SPILL OR LEAK PROCEDURES

Steps to be taken in case material is released or spilled: Ventilate area. Remove sources of ignition. Prevent skin contact and breathing of vapor. Wear a properly fitted vapor/particulate respirator (NIOSH/MSHA TC-23C). Confine and remove with inert absorbent.

Waste Disposal Method: Do not allow material to contaminate ground water systems. Incinerate absorbed material in accordance with federal, state, and local requirements. Do not incinerate in closed containers.

## SECTION VIII. SPECIAL PROTECTION INFORMATION

Do not breathe vapors or mists. Wear a properly fitted vapor/particulate respirator approved by NIOSH/MSHA (TC-23C) for use with paints during application and until all vapors and spray mists are exhausted. In confined spaces or in situations where continuous spray operations are typical or proper respirator fit is not possible, wear a positive-pressure, supplied-air respirator (TC-19C). In all cases, follow the respirator manufacturer's direction for respirator use. Do not permit anyone without protection in the painting area.

Ventilation: Provide sufficient ventilation in volume and pattern to keep contaminants below applicable OSHA requirements.

Protective Clothing: Neoprene gloves and coveralls are recommended.

Eye Protection: Desirable in all industrial situations. Include splashguards or side shields.

## SECTION IX. SPECIAL PRECAUTIONS

Precautions to be taken in handling and storing: Observe label precautions. Keep away from heat, sparks and flame. Close container after each use. Ground containers when pouring. Wash thoroughly after handling and before eating or smoking. So not store above 120°F.

Other Precautions: Do not sand, flame cut, braze or weld dry coating without a NIOSH/MSHA approved respirator or appropriate ventilation.

## SECTION X. OTHER INFORMATION
## PRODUCT SPECIFICATIONS

For each product part number and chemical listing below the chemicals that have weight percentages in parenthesis are subject to the reporting requirements of Section 313 of the Emergency Planning and Right-To-Know Act of 1986 and 40 CFR 372.

**CR22RF** Ethyl 3-Ethoxy Propionate, Butyl Acetate 15-20%, Methyl Ethyl Ketone (53%).

| | | | |
|---|---|---|---|
| **Gallon Wt.:** | 7.10 lbs. | **Flash Point:** | 25°F |
| **Wt. % Solids:** | 0 | **Material VOC:** | 7.10 lbs./gallon |
| **Vol. % Solids:** | 0 | **Coating VOC:** | 7.10 lbs./gallon |
| **OSHA Storage:** | 1B | **Solvent Density:** | 7.10 lbs./gallon |

**CR22RM** Ethyl 3-Ethoxy Propionate, Methyl Amyl Ketone 25-30%, Methyl Ethyl Ketone (40%).

| | | | |
|---|---|---|---|
| **Gallon Wt.:** | 7.09 lbs. | **Flash Point:** | 25°F |
| **Wt. % Solids:** | 0 | **Material VOC:** | 7.09 lbs./gallon |
| **Vol. % Solids:** | 0 | **Coating VOC:** | 7.09 lbs./gallon |
| **OSHA Storage:** | 1B | **Solvent Density:** | 7.09 lbs./gallon |

**CR22RS** Ethyl 3-Ethoxy Propionate, Methyl Amyl Ketone 65-70%.

| | | | |
|---|---|---|---|
| **Gallon Wt.:** | 7.10 lbs. | **Flash Point:** | 102°F |
| **Wt. % Solids:** | 0 | **Material VOC:** | 7.10 lbs./gallon |
| **Vol. % Solids:** | 0 | **Coating VOC:** | 7.10 lbs./gallon |
| **OSHA Storage:** | 1B | **Solvent Density:** | 7.10 lbs./gallon |

**TH028** Acetone 40-45%, Chlorobenzotriflouride.

| | | | |
|---|---|---|---|
| **Gallon Wt.:** | 8.43 lbs. | **Flash Point:** | -5°F |
| **Wt. % Solids:** | 0 | **Material VOC:** | 0.00 lbs./gallon |
| **Vol. % Solids:** | 0 | **Coating VOC:** | 0.00 lbs./gallon |
| **OSHA Storage:** | 1B | **Solvent Density:** | 8.43 lbs./gallon |

**Federal Exempt Solvent** = 100% by Vol.

**TH035** Acetone 50-55%, Chrolobenzotriflouride.

| | | | |
|---|---|---|---|
| **Gallon Wt.:** | 8.20 lbs. | **Flash Point:** | -5°F |
| **Wt. % Solids:** | 0 | **Material VOC:** | 0.00 lbs./gallon |
| **Vol. % Solids:** | 0 | **Coating VOC:** | 0.00 lbs./gallon |
| **OSHA Storage:** | 1B | **Solvent Density:** | 8.20 lbs./gallon |

**Federal Exempt Solvent** = 100% by Vol.

**TH036** Acetone, Chrolobenzotriflouride.

| | | | |
|---|---|---|---|
| **Gallon Wt.:** | 9.58 lbs. | **Flash Point:** | 0°F |
| **Wt. % Solids:** | 0 | **Material VOC:** | 0.00 lbs./gallon |
| **Vol. % Solids:** | 0 | **Coating VOC:** | 0.00 lbs./gallon |
| **OSHA Storage:** | 1B | **Solvent Density:** | 8.20 lbs./gallon |

**Federal Exempt Solvent** = 100% by Vol.

**TH037** Acetone, Chrolobenzotriflouride.

| | | | |
|---|---|---|---|
| **Gallon Wt.:** | 10.87 lbs. | **Flash Point:** | 0°F |
| **Wt. % Solids:** | 0 | **Material VOC:** | 0.00 lbs./gallon |
| **Vol. % Solids:** | 0 | **Coating VOC:** | 0.00 lbs./gallon |
| **OSHA Storage:** | 1B | **Solvent Density:** | 8.20 lbs./gallon |

**Federal Exempt Solvent** = 100% by Vol.

**TH0860** Acetone 20-25%, Butyl Acetate 10-15%, Toluene (33%), VM&P Naptha #1.

| | | | |
|---|---|---|---|
| **Gallon Wt.:** | 6.67 lbs | **Flash Point:** | -5°F |
| **Wt. % Solids:** | 0 | **Material VOC:** | 5.00 lbs./gallon |
| **Vol. % Solids:** | 0 | **Coating VOC:** | 6.68 lbs./gallon |
| **OSHA Storage:** | 1B | **Solvent Density:** | 6.68 lbs./gallon |

**Federal Exempt Solvent** = 32.29% by Vol.

**TH0870** Methyl Ethyl Ketone (35%), Methoxy Propyl Acetate, Toluene (19%), VM&P Naptha #2.

| | | | |
|---|---|---|---|
| **Gallon Wt.:** | 6.87 lbs. | **Flash Point:** | 25°F |
| **Wt. % Solids:** | 0 | **Material VOC:** | 6.87 lbs./gallon |
| **Vol. % Solids:** | 0 | **Coating VOC:** | 6.87 lbs./gallon |
| **OSHA Storage:** | 1B | **Solvent Density:** | 6.87 lbs./gallon |

**TH0885** Methyl Ethyl Ketone (18%), Xylene (24%), VM&P Naptha #2, Hexyl Acetate Isomer #1, 2-Ethyl-Hexyl Acetate, Butyl Acetate 5-10%.

| | | | |
|---|---|---|---|
| **Gallon Wt.:** | 6.97 lbs. | **Flash Point:** | 24°F |
| **Wt. % Solids:** | 0 | **Material VOC:** | 6.97 lbs./gallon |
| **Vol. % Solids:** | 0 | **Coating VOC:** | 6.97 lbs./gallon |
| **OSHA Storage:** | 1B | **Solvent Density:** | 6.97 lbs./gallon |

**TH0895** Methyl Isobutyl Ketone (14%), Xylene (23%), Methyl Amyl Ketone 20-25%, 2-Ethyl-Hexyl Acetate, VM&P Naptha.

| | | | |
|---|---|---|---|
| **Gallon Wt.:** | 6.95 lbs. | **Flash Point:** | 50°F |
| **Wt. % Solids:** | 0 | **Material VOC:** | 6.95 lbs./gallon |
| **Vol. % Solids:** | 0 | **Coating VOC:** | 6.95 lbs./gallon |
| **OSHA Storage:** | 1B | **Solvent Density:** | 6.95 lbs./gallon |

**TH0898** 2-Butoxy Ethyl Acetate, Methoxy Propyl Acetate, Methyl Amyl Ketone 20-25%.

| | | | |
|---|---|---|---|
| **Gallon Wt.:** | 7.60 lbs. | **Flash Point:** | 102°F |
| **Wt. % Solids:** | 0 | **Material VOC:** | 7.60 lbs./gallon |
| **Vol. % Solids:** | 0 | **Coating VOC:** | 7.60 lbs./gallon |
| **OSHA Storage:** | 1B | **Solvent Density:** | 7.60 lbs./gallon |

**TH2000** Toluene (54%), Xylene (10%), Acetone 15-20%, Hexyl Acetate Isomers, Methyl Isobutyl Ketone (5%), 2-Propanol 5-10%.

| | | | |
|---|---|---|---|
| **Gallon Wt.:** | 7.03 lbs. | **Flash Point:** | -5°F |
| **Wt. % Solids:** | 0 | **Material VOC:** | Varies per Mix Ratio |
| **Vol. % Solids:** | 0 | **Coating VOC:** | 7.03 lbs./gallon |
| **OSHA Storage:** | 1B | **Solvent Density:** | 7.03 lbs./gallon |

**Federal Exempt Solvent** = 22.76% by Vol.

**TH2800** Toluene (37%), Xylene (26%), Acetone 15-20%, 2-Propanol 5-10%, Methyl Amyl Ketone 5-10%.

| | | | |
|---|---|---|---|
| **Gallon Wt.:** | 7.01 lbs. | **Flash Point:** | -5°F |
| **Wt. % Solids:** | 0 | **Material VOC:** | Varies per Mix Ratio |
| **Vol. % Solids:** | 0 | **Coating VOC:** | 7.01 lbs./gallon |
| **OSHA Storage:** | 1B | **Solvent Density:** | 7.01 lbs./gallon |

**Federal Exempt Solvent** = 22.5% by Vol.

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**TH3200** Toluene (54.2%), Xylene (14%), Acetone, Methyl Amyl Ketone 1-5%, 2-Propanol 5-10%.

| | | | |
|---|---|---|---|
| **Gallon Wt.:** | 7.03 lbs. | **Flash Point:** | -5°F |
| **Wt. % Solids:** | 0 | **Material VOC:** | Varies per Mix Ratio |
| **Vol. % Solids:** | 0 | **Coating VOC:** | 7.03 lbs./gallon |
| **OSHA Storage:** | 1B | **Solvent Density:** | 7.03 lbs./gallon |

**Federal Exempt Solvent** = 22.5% by Vol.

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**TH4700** Xylene (56%), VM&P Naptha, 2-Ethyl-Hexyl Acetate, Butyl Acetate 5-10%, Solvent 100.

| | | | |
|---|---|---|---|
| **Gallon Wt.:** | 7.09 lbs. | **Flash Point:** | 50°F |
| **Wt. % Solids:** | 0 | **Material VOC:** | 7.09 lbs./gallon |
| **Vol. % Solids:** | 0 | **Coating VOC:** | 7.09 lbs./gallon |
| **OSHA Storage:** | 1B | **Solvent Density:** | 7.09 lbs./gallon |

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**TH4800** Toluene (49%), VM&P Naptha, Xylene (8%), Acetone 10-15%, 2-Butoxy Ethanol (5%).

| | | | |
|---|---|---|---|
| **Gallon Wt.:** | 6.89 lbs. | **Flash Point:** | -5°F |
| **Wt. % Solids:** | 0 | **Material VOC:** | Varies per Mix Ratio |
| **Vol. % Solids:** | 0 | **Coating VOC:** | 6.89 lbs./gallon |
| **OSHA Storage:** | 1B | **Solvent Density:** | 6.89 lbs./gallon |

**Federal Exempt Solvent** = 15.69% by Vol.

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**TH4900** Toluene (43.1%), VM&P Naptha, Xylene (10%), Acetone 10-15%, 2-Butoxy Ethanol (5%), 2-Butoxy Ethyl Acetate.

| | | | |
|---|---|---|---|
| **Gallon Wt.:** | 6.94 lbs. | **Flash Point:** | -5°F |
| **Wt. % Solids:** | 0 | **Material VOC:** | Varies per Mix Ratio |
| **Vol. % Solids:** | 0 | **Coating VOC:** | 6.94 lbs./gallon |
| **OSHA Storage:** | 1B | **Solvent Density:** | 6.94 lbs./gallon |

**Federal Exempt Solvent** = 15.8% by Vol.

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**TH5700** Solvent 100, Xylene (27%), VM&P Naptha.

| | | | |
|---|---|---|---|
| **Gallon Wt.:** | 7.03 lbs. | **Flash Point:** | 50°F |
| **Wt. % Solids:** | 0 | **Material VOC:** | 7.03 lbs./gallon |
| **Vol. % Solids:** | 0 | **Coating VOC:** | 7.03 lbs./gallon |
| **OSHA Storage:** | 1B | **Solvent Density:** | 7.03 lbs./gallon |

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**TH5800** Toluene (54%), VM&P Naptha.

| | | | |
|---|---|---|---|
| **Gallon Wt.:** | 6.72 lbs. | **Flash Point:** | 45°F |
| **Wt. % Solids:** | 0 | **Material VOC:** | 6.72 lbs./gallon |
| **Vol. % Solids:** | 0 | **Coating VOC:** | 6.72 lbs./gallon |
| **OSHA Storage:** | 1B | **Solvent Density:** | 6.72 lbs./gallon |

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**TH5900** Solvent 100, Xylene (67%), VM&P Naptha.

| | | | |
|---|---|---|---|
| **Gallon Wt.:** | 6.99 lbs. | **Flash Point:** | 50°F |
| **Wt. % Solids:** | 0 | **Material VOC:** | 6.99 lbs./gallon |
| **Vol. % Solids:** | 0 | **Coating VOC:** | 6.99 lbs./gallon |
| **OSHA Storage:** | 1B | **Solvent Density:** | 6.99 lbs./gallon |

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**TH5950** Acetone 5-10%, Mineral Spirits, Xylene (27%), Naptha.

| | | | |
|---|---|---|---|
| **Gallon Wt.:** | 6.66 lbs. | **Flash Point:** | -5°F |
| **Wt. % Solids:** | 0 | **Material VOC:** | 6.66 lbs./gallon |
| **Vol. % Solids:** | 0 | **Coating VOC:** | 6.66 lbs./gallon |
| **OSHA Storage:** | 1B | **Solvent Density:** | 6.66 lbs./gallon |

**TH5951** Mineral Spirits 66, Naptha.

| | | | |
|---|---|---|---|
| **Gallon Wt.:** | 6.44 lbs. | **Flash Point:** | 50°F |
| **Wt. % Solids:** | 0 | **Material VOC:** | 6.44 lbs./gallon |
| **Vol. % Solids:** | 0 | **Coating VOC:** | 6.44 lbs./gallon |
| **OSHA Storage:** | 1B | **Solvent Density:** | 6.44 lbs./gallon |

**TH5952** Heptane 85-90%, Toluene (10%).

| | | | |
|---|---|---|---|
| **Gallon Wt.:** | 5.95 lbs. | **Flash Point:** | 14°F |
| **Wt. % Solids:** | 0 | **Material VOC:** | 5.95 lbs./gallon |
| **Vol. % Solids:** | 0 | **Coating VOC:** | 5.95 lbs./gallon |
| **OSHA Storage:** | 1B | **Solvent Density:** | 5.95 lbs./gallon |

**TH07160** Toluene (40%), Xylene (10%), Methyl Ethyl Ketone (28%), Acetone 5-10%, N-Butyl Propionate, Resin A.

| | | | |
|---|---|---|---|
| **Gallon Wt.:** | 7.08 lbs. | **Flash Point:** | -5°F |
| **Wt. % Solids:** | .76 | **Material VOC:** | 6.63 lbs./gallon |
| **Vol. % Solids:** | .63 | **Coating VOC:** | 7.05 lbs./gallon |
| **OSHA Storage:** | 1B | **Solvent Density:** | 7.06 lbs./gallon |

**Federal Exempt Solvent = 6.96% by Vol.**

**TH07175** Toluene (2%), Xylene (12%), 2-Propanol 5-10%, Methyl Isobutyl Ketone (5%), Heptane 10-15%, Acetone 5-10%, Resin A, Methyl Amyl Ketone 30-35%, Isobutanol 10-15%.

| | | | |
|---|---|---|---|
| **Gallon Wt.:** | 6.66 lbs. | **Flash Point:** | -5°F |
| **Wt. % Solids:** | .76 | **Material VOC:** | 6.09 lbs./gallon |
| **Vol. % Solids:** | .63 | **Coating VOC:** | 6.61 lbs./gallon |
| **OSHA Storage:** | 1B | **Solvent Density:** | 6.65 lbs./gallon |

**Federal Exempt Solvent** = 7.89% by Vol.

**TH07185** Xylene (32%), N-Butyl Propionate, 2-Ethyl Hexyl Acetate, Methyl Isobutyl Ketone (9%), VM&P Naptha, Resin A.

| | | | |
|---|---|---|---|
| **Gallon Wt.:** | 7.10 lbs. | **Flash Point:** | -5°F |
| **Wt. % Solids:** | .76 | **Material VOC:** | 7.05 lbs./gallon |
| **Vol. % Solids:** | .64 | **Coating VOC:** | 7.05 lbs./gallon |
| **OSHA Storage:** | 1B | **Solvent Density:** | 7.09 lbs./gallon |

**TH07195** Xylene (35%), Hexyl Acetate Isomers, N-Butyl Propionate, Resin A, 2-Ethyl-Hexyl Acetate, Methyl Isobutyl Ketone (13), VM&P Naptha.

| | | | |
|---|---|---|---|
| **Gallon Wt.:** | 7.09 lbs. | **Flash Point:** | -5°F |
| **Wt. % Solids:** | .76 | **Material VOC:** | 7.04 lbs./gallon |
| **Vol. % Solids:** | .64 | **Coating VOC:** | 7.04 lbs./gallon |
| **OSHA Storage:** | 1B | **Solvent Density:** | 7.09 lbs./gallon |

**Xylene**: when present it can be assumed 18-20% of the Wt. % reported is Ethylbenzene.

**Flash Point:** Determined by TCC, expressed in degrees Fahrenheit**.**

**Coating VOC**: Represents all organic solvents of the single package with exempt solvents included in the VOC.

**Material VOC:** VOC less exempt solvents when plural components are mixed and the VOC is calculated using EPA Method 24 to determine the VOC of the ready to spray material based on pounds in a fluid gallon.

**Solvent Density** = The **Coating VOC** ÷ Volume % Volatile portion of blend.

**Warning**: KEEP THIS AND ALL PAINT RELATED PRODUCTS OUT OF THE REACH OF CHILDREN!

The information contained in this MSDS is based on data from sources considered to be reliable but ChemSpec USA, Inc. does not guarantee the accuracy or completeness thereof. ChemSpec USA, Inc. urges each customer or recipient of this MSDS to study it carefully to become aware of and understand the hazards associated with this product. The reader should consider consulting reference works or individuals who are experts in ventilation, toxicology or fire prevention as necessary or appropriate to use and understand the data in this MSDS.

Note: The data on this MSDS relates only to individual components and does not represent the end mixed product. Read all other Component Material Safety Data Sheets.

**END OF MSDS**