

# SAFETY DATA SHEET

## Section 1 - Product and Company Identification

Product Name: 2K Acrylic Urethane Primer Gray  
Manufacturer/Supplier:  
TRANSTAR AUTOBODY TECHNOLOGIES  
2040 Heiserman Dr.  
Brighton, MI, 48114, USA

Product Code: 6921  
**24 Hour Emergency Phone(s):**  
USA 800-424-9300 (CHEMTREC)  
International 001-703-527-3887 (CHEMTREC Int'l)  
  
Business Phone: 810-360-1600  
SDS Prepared By: Transtar Autobody Technologies

Product Use: Primer. For Professional and Industrial Use Only  
Not recommended for: Not for sale to the general public

## Section 2 - Hazards Identification

### Classification of the substance or mixture

#### GHS Ratings:

Flammable liquid	2	Flash point < 23°C and initial boiling point > 35°C (95°F)
Skin corrosive	2	Reversible adverse effects in dermal tissue, Draize score: >= 2.3 < 4.0 or persistent inflammation
Mutagen	1B	Known to produce heritable mutations in human germ cellsSubcategory 1B, Positive results: In vivo heritable germ cell tests in mammals, Human germ cell tests, In vivo somatic mutagenicity tests, combined with some evidence of germ cell mutagenicity
Carcinogen	1B	Presumed Human Carcinogen, Based on demonstrated animal carcinogenicity
Reproductive toxin	1A	Known or presumed to cause effects on human reproduction or on development
Organ toxin single exposure	2	Presumed to be harmful to human health- Animal studies with significant toxic effects relevant to humans at generally moderate exposure (guidance) - Human evidence in exceptional cases
Organ toxin repeated exposure	2	Presumed to be harmful to human health- Animal studies with significant toxic effects relevant to humans at generally moderate exposure (guidance)- Human evidence in exceptional cases
Aquatic toxicity	A2	Acute toxicity > 1.00 but <= 10.0 mg/l

#### GHS Hazards

H225	Highly flammable liquid and vapor
H315	Causes skin irritation
H340	May cause genetic defects
H350	May cause cancer
H360	May damage fertility or the unborn child
H371	May cause damage to organs

#### GHS Precautions

P101	If medical advice is needed, have product container or label at hand
P102	Keep out of reach of children
P103	Read label before use
P201	Obtain special instructions before use
P202	Do not handle until all safety precautions have been read and understood

H373	May cause damage to organs through prolonged or repeated exposure	P210	Keep away from heat, sparks, open flames and hot surfaces - No smoking
H401	Toxic to aquatic life	P233	Keep container tightly closed
		P240	Ground and bond container and receiving equipment
		P241	Use explosion-proof electrical, ventilating, lighting and motorized equipment
		P242	Use only non-sparking tools
		P243	Take precautionary measures against static discharge
		P260	Do not breathe dust, mist, vapors or spray
		P264	Wash contacted skin thoroughly after handling
		P270	Do not eat, drink or smoke when using this product
		P273	Avoid release to the environment
		P280	Wear protective gloves, protective clothing, eye protection, face protection and respiratory protection.
		P321	Specific treatment (see first aid instructions on SDS)
		P362	Take off contaminated clothing and wash before reuse
		P303+P361+P353	IF ON SKIN (or hair): Immediately take off all contaminated clothing. Wash skin with soap and water.
		P308+P313	IF exposed or concerned: Get medical advice
		P332+P313	If skin irritation occurs: Get medical advice
		P370+P378	In case of fire: Use dry chemical, CO <sub>2</sub> , foam or water fog to extinguish
		P405	Store locked up
		P403+P235	Store in a well ventilated place. Keep cool
		P501	Dispose of contents and container in accordance with local, regional, national and international regulations.

**Danger**



**Hazards not otherwise classified (HNOC) or not covered by GHS:**

None known

**Section 3 -Composition**

<b>Chemical Name / CAS No.</b>	<b>OSHA Exposure Limits</b>	<b>ACGIH Exposure Limits</b>	<b>Other Exposure Limits</b>
Barium Sulfate 7727-43-7 10 to 20%	15 mg/m <sup>3</sup> TWA (total dust); 5 mg/m <sup>3</sup> TWA (respirable fraction)	5 mg/m <sup>3</sup> TWA (inhalable fraction, particulate matter containing no asbestos and <1% crystalline silica)	NIOSH: 10 mg/m <sup>3</sup> TWA (total dust); 5 mg/m <sup>3</sup> TWA (respirable dust)
Talc 14807-96-6 10 to 20%	PEL-TWA is 20 mppcf (million particles per cubic foot of air).	2 mg/m <sup>3</sup> TWA (particulate matter containing no asbestos and <1% crystalline silica, respirable fraction)	NIOSH: 2 mg/m <sup>3</sup> TWA (containing no Asbestos and <1% Quartz, respirable dust)
Methyl Ethyl Ketone 78-93-3 5 to 10%	200 ppm TWA; 590 mg/m <sup>3</sup> TWA	300 ppm STEL 200 ppm TWA	NIOSH: 200 ppm TWA; 590 mg/m <sup>3</sup> TWA 300 ppm STEL; 885 mg/m <sup>3</sup> STEL
Acrylic polyol, Proprietary 5 to 10%			
Propylene glycol monomethyl ether acetate 108-65-6 5 to 10%	TWA 200 ppm	TWA 50ppm	
n-Butyl Acetate 123-86-4 5 to 10%	150 ppm TWA; 710 mg/m <sup>3</sup> TWA	200 ppm STEL 150 ppm TWA	NIOSH: 150 ppm TWA; 710 mg/m <sup>3</sup> TWA 200 ppm STEL; 950 mg/m <sup>3</sup> STEL
Titanium Dioxide (Dust) 13463-67-7 5 to 10%	15 mg/m <sup>3</sup> TWA (total dust)	10 mg/m <sup>3</sup> TWA	
Acrylic Copolymer, Proprietary 5 to 10%			
Zinc phosphate 7779-90-0 5 to 10%			
Toluene 108-88-3 1 to 5%	200 ppm TWA	20 ppm TWA	NIOSH: 100 ppm TWA; 375 mg/m <sup>3</sup> TWA 150 ppm STEL; 560 mg/m <sup>3</sup> STEL
barium zinc sulfate sulfide 1345-05-7 3.2 percent	Observe barium sulfate limits. OSHA PEL (final rule): TWA 10 mg/m <sup>3</sup> total dust, 5 mg/m <sup>3</sup> respirable fraction. ACGIH TLV: TWA 10 mg/m <sup>3</sup> inhalable particulate.		
Ethylbenzene 100-41-4 1 to 5%	100 ppm TWA; 435 mg/m <sup>3</sup> TWA	20 ppm TWA	NIOSH: 100 ppm TWA; 435 mg/m <sup>3</sup> TWA 125 ppm STEL; 545 mg/m <sup>3</sup> STEL
Naphtha 8030-30-6 1.5 percent	100 ppm TWA; 400 mg/m <sup>3</sup> TWA		NIOSH: 100 ppm TWA; 400 mg/m <sup>3</sup> TWA

Polymer of epoxy resin and bisphenol A 25036-25-3 1 to 5%			
Xylene 1330-20-7 1 to 5%	100 ppm TWA; 435 mg/m3 TWA	150 ppm STEL 100 ppm TWA	
Silica, Amorphous 7631-86-9 0.1 to 1.0%	OSHA has set a TWA of 20 mppcf or (80 mg/m3/% SiO2).	The ACGIH has set a TWA of 10 mg/m3 as inhalable particulate and 3 mg/m3 as respirable particulates.	NIOSH: 6 mg/m3 TWA

## Section 4 - First Aid Measures

**INHALATION:** If Inhaled: Remove person to fresh air and keep comfortable for breathing. If breathing difficulty persists, seek medical attention.

**EYE CONTACT:** Rinse continuously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing for a minimum of 15 minutes while holding eye lids open. If eye irritation persist: seek medical attention.

**SKIN CONTACT:** Take off all contaminated clothing immediately. Wash exposed area thoroughly with soap and water. Seek medical attention if irritation persists. Do NOT use solvents or thinners to wash off.

**INGESTION:** If swallowed, seek medical attention immediately and have product container or label at hand. DO NOT INDUCE VOMITING unless directed to do so by a physician or poison control center. Never give anything by mouth to an unconscious person.

**Most important symptoms and effects, both acute and delayed:**

Dizziness, breathing difficulty, headaches, & loss of coordination.

**Indication of any immediate medical attention and special treatment needed.**

Seek professional medical attention for all over-exposures and/or persistent problems.

## Section 5 - Fire Fighting Measures

LEL: 1.0 %

UEL: 11.4 %

**Extinguishing Media:** Dry Chemical, Foam, CO2 or water fog.

**Unsuitable Extinguishing Media:** High volume water jets

**Unusual Fire and Explosion Hazards:** Vapors can travel to a source of ignition and flash back. Closed containers may explode when exposed to extreme heat or burst when contaminated with water (CO2 gas evolved). Hazards apply to empty containers. Combustion generates toxic fumes.

**Hazardous Combustion Products:** oxides of carbon, oxides of nitrogen, formaldehyde, toxic fume

**Special Firefighting Procedures:** Highly toxic fumes may be generated by thermal decomposition. Water runoff from firefighting can cause environmental damage. Dike and collect water used to fight fire.

**Fire Equipment:** Full fire fighter equipment including SCBA should be worn to avoid skin contact and inhalation of concentrated vapors. Minimize skin exposure.

## Section 6 - Accidental Release Measures

**Personal precautions, protective equipment and emergency procedures:**

Use personal protective equipment. Avoid breathing vapors and mist. Ensure adequate ventilation. Eliminate all sources of ignition. Evacuate personnel to safe areas. Beware of vapors accumulation to form explosive concentrations. Vapors can accumulate in low areas.

For personal protection see section 8.

**Environmental precautions:**

Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

**Methods and materials for containment and cleaning up:**

Dike spill area and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth. Sweep up and dispose of in appropriate containers in accordance to Federal, State and/or Local regulations. Clean preferably with a detergent; avoid use of solvents.

## Section 7 - Handling and Storage

**Safe Handling Measures:** Avoid contact with skin and eyes. Avoid inhalation of vapor or mist. Ground and bond container and receiving equipment. Use non-sparking tools and explosion proof equipment when handling this material. Keep away from sources of ignition - No Smoking. Use in cool, well-ventilated areas. Keep containers closed when not in use. Take measures to prevent the build up of electrostatic charge. Follow all SDS and label precautions even after container is emptied because they may retain product residues. For precautions see section 2.

**Storage Requirements:** Keep container tightly closed. Keep away from heat, sparks, open flames and hot surfaces-No Smoking. Store in a cool, dry and well-ventilated place. Do not reuse container when empty.

## Section 8 - Exposure Control and PPE

Chemical Name / CAS No.	OSHA Exposure Limits	ACGIH Exposure Limits	Other Exposure Limits
Barium Sulfate 7727-43-7	15 mg/m <sup>3</sup> TWA (total dust); 5 mg/m <sup>3</sup> TWA (respirable fraction)	5 mg/m <sup>3</sup> TWA (inhalable fraction, particulate matter containing no asbestos and <1% crystalline silica)	NIOSH: 10 mg/m <sup>3</sup> TWA (total dust); 5 mg/m <sup>3</sup> TWA (respirable dust)
Talc 14807-96-6	PEL-TWA is 20 mppcf (million particles per cubic foot of air).	2 mg/m <sup>3</sup> TWA (particulate matter containing no asbestos and <1% crystalline silica, respirable fraction)	NIOSH: 2 mg/m <sup>3</sup> TWA (containing no Asbestos and <1% Quartz, respirable dust)
Methyl Ethyl Ketone 78-93-3	200 ppm TWA; 590 mg/m <sup>3</sup> TWA	300 ppm STEL 200 ppm TWA	NIOSH: 200 ppm TWA; 590 mg/m <sup>3</sup> TWA 300 ppm STEL; 885 mg/m <sup>3</sup> STEL
Acrylic polyol, Proprietary			
Propylene glycol monomethyl ether acetate 108-65-6	TWA 200 ppm	TWA 50ppm	
n-Butyl Acetate 123-86-4	150 ppm TWA; 710 mg/m <sup>3</sup> TWA	200 ppm STEL 150 ppm TWA	NIOSH: 150 ppm TWA; 710 mg/m <sup>3</sup> TWA 200 ppm STEL; 950 mg/m <sup>3</sup> STEL
Titanium Dioxide (Dust) 13463-67-7	15 mg/m <sup>3</sup> TWA (total dust)	10 mg/m <sup>3</sup> TWA	

Acrylic Copolymer, Proprietary			
Zinc phosphate 7779-90-0			
Toluene 108-88-3	200 ppm TWA	20 ppm TWA	NIOSH: 100 ppm TWA; 375 mg/m <sup>3</sup> TWA 150 ppm STEL; 560 mg/m <sup>3</sup> STEL
barium zinc sulfate sulfide 1345-05-7	Observe barium sulfate limits. OSHA PEL (final rule): TWA 10 mg/m <sup>3</sup> total dust, 5 mg/m <sup>3</sup> respirable fraction. ACGIH TLV: TWA 10 mg/m <sup>3</sup> inhalable particulate.		
Ethylbenzene 100-41-4	100 ppm TWA; 435 mg/m <sup>3</sup> TWA	20 ppm TWA	NIOSH: 100 ppm TWA; 435 mg/m <sup>3</sup> TWA 125 ppm STEL; 545 mg/m <sup>3</sup> STEL
Naphtha 8030-30-6	100 ppm TWA; 400 mg/m <sup>3</sup> TWA		NIOSH: 100 ppm TWA; 400 mg/m <sup>3</sup> TWA
Polymer of epoxy resin and bisphenol A 25036-25-3			
Xylene 1330-20-7	100 ppm TWA; 435 mg/m <sup>3</sup> TWA	150 ppm STEL 100 ppm TWA	
Silica, Amorphous 7631-86-9	OSHA has set a TWA of 20 mppcf or (80 mg/m <sup>3</sup> /% SiO <sub>2</sub> ).	The ACGIH has set a TWA of 10 mg/m <sup>3</sup> as inhalable particulate and 3 mg/m <sup>3</sup> as respirable particulates.	NIOSH: 6 mg/m <sup>3</sup> TWA

**Engineering Controls:** Ground and bond container and reciving equipment. Use explosion proof electrical, ventilation, lighting and motorized equipment. Use non-sparking tools. Ensure adequate ventilation.

**Ventilation:** General mechanical ventilation or local exhaust should be utilized to keep vapor concentrations below exposure limits (PEL & TLV). Ventilation equipment must be explosion proof.

**Safe Work Practices:** Eye washes and safety showers in the workplace are recommended. Avoid contact with skin and eyes. Avoid breathing vapors. Wash hands thoroughly after using and before eating, drinking or smoking . Employee education and training in the safe use and handling of this product is required under the OSHA Hazard Communication Standard 29CFR1200. Smoking in area where this material is used should be strictly prohibited. Always use protective clothing and equipment. Remove all contaminated clothing and wash thoroughly when finished working. Keep food and drink away from material and from area where material is being used. Spraying of material can cause an oxygen deficient environment. Use proper ventilation to remove vapors, mist and fumes combined with NIOSH approved respirator.

**Respiratory Protection:** When working with this material use a MSHA/NIOSH approved cartridge respirator or suitable respiratory protection to keep airborne mists and vapor concentrations below the PEL & TLV limits . When using in poorly ventilated and confined spaces, use a fresh-air supplying respirator or a self-contained breathing apparatus.

**Eye/Face Protection:** Use safety glasses with chemical splash goggles or faceshield.

**Skin Protection:** Use chemical resistant gloves.

**Body Protection:** Impervious clothing, flame retardant antistatic protective clothing. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

**Contaminated Gear:** Take off contaminated clothing immediately and wash before reuse .

## Section 9 - Physical and Chemical Properties

This mixture typically exhibits the following properties under normal circumstances:

<p><b>Appearance</b> Gray</p> <p><b>Odor</b> Organic Solvent</p> <p><b>pH:</b> No data available</p> <p><b>Freezing point:</b> No data available</p> <p><b>Flash point:</b> 16 F,-9 C</p> <p><b>Flammability:</b> No data available</p> <p><b>Vapor Pressure:</b> 32.3 mmHg</p> <p><b>Density (Lb / Gal)</b> 12.80</p> <p><b>Partition coefficient (n- octanol/water):</b> No data available</p> <p><b>Decomposition temperature:</b> No data available</p> <p><b>Regulatory Coating VOC g/L</b> 477</p> <p><b>Actual Coating VOC g/L</b> 477</p> <p><b>Weight Percent Volatile</b> 31.07</p> <p><b>% Weight VOC</b> 31.07</p> <p><b>% Wt Exempt VOC</b> 0.00</p>	<p><b>Physical State</b> Liquid</p> <p><b>Odor threshold:</b> No data available</p> <p><b>Melting point:</b> No data available</p> <p><b>Boiling range:</b> 36 - 60°C</p> <p><b>Evaporation rate:</b> No data available</p> <p><b>Explosive Limits:</b> 1% - 11%</p> <p><b>Vapor Density:</b> 3.9</p> <p><b>Solubility:</b> No data available</p> <p><b>Autoignition temperature:</b> 315°C</p> <p><b>Viscosity:</b> No data available</p> <p><b>Regulatory Coating VOC lb/gal</b> 3.98</p> <p><b>Actual Coating VOC lb/Gal</b> 3.98</p> <p><b>Specific Gravity (SG)</b> 1.534</p> <p><b>% Weight Water</b> 0.0</p> <p><b>% Vol Exempt VOC</b> 0.00</p>
--	--

## Section 10 - Stability and Reactivity

**Reactivity:** No data available

**Stability:** Stable under recommended storage conditions.

**Possibility of hazardous reactions:** Vapors may form explosive mixture with air. Hazardous polymerization will not occur.

**Conditions to avoid:** Heat, flame and sparks. Extreme temperature and direct sunlight.

**Incompatible with:**

- Strong oxidizers
- Strong bases
- Strong oxidizing agents
- Acids

**Hazardous products produced under decomposition:**

Carbon Monoxide, Carbon Dioxide

## Section 11 - Toxicological Information

**Mixture Toxicity**

Inhalation Toxicity: 50mg/L

**Component Toxicity**

- |          |  |
|----------|--|
| 78-93-3  | Methyl Ethyl Ketone                                  |
|          | Oral: 2,483 mg/kg (Rat) Dermal: 5,000 mg/kg (Rabbit) |
| 108-65-6 | Propylene glycol monomethyl ether acetate            |
|          | Dermal: 5 g/kg (Rabbit)                              |

123-86-4	n-Butyl Acetate Inhalation: 29 mg/L (Rat)
108-88-3	Toluene Oral: 2,600 mg/kg (Rat) Inhalation: 13 mg/L (Rat)
100-41-4	Ethylbenzene Oral: 3,500 mg/kg (Rat) Inhalation: 17 mg/L (Rat)
1330-20-7	Xylene Oral: 3,500 mg/kg (Rat) Dermal: 4,350 mg/kg (Rabbit) Inhalation: 29 mg/L (Rat)

This mixture has not been tested for toxicological effects .

**Acute Effects:**

INHALATION - Dizziness, breathing difficulty, headaches, & loss of coordination .

EYE CONTACT - Moderate irritation, tearing, redness, and blurred vision .

SKIN CONTACT - Moderate irritant. Can dry and defat skin causing cracks, irritation, and dermatitis.

INGESTION - Can cause gastrointestinal irritation, vomiting, nausea, & diarrhea.

**Chronic Effects:**

May affect liver, kidney and central nervous system with repeated exposure . Prolonged or repeated exposure may cause lung injury.

**Routes of Entry**

Inhalation	Skin Contact	Eye Contact	Ingestion
<b>Target Organs</b>			
Blood	Kidneys	Liver	Central Nervous System
Eyes	Cardiovascular System	Lungs	Skin
		Respiratory System	

**Effects of Overexposure**



## Short Term Exposure

The substance irritates the eyes, skin, and respiratory tract. High exposures, above the occupational exposure levels, can cause weakness, headache, and drowsiness and may cause unconsciousness. Irritates the eyes and the respiratory tract. May affect the central nervous system. Ethyl benzene irritates the eyes, skin, and respiratory tract. Exposure to high concentrations can cause dizziness, lightheadedness and unconsciousness. Very high exposures (above the OEL) can cause difficult breathing, narcosis, coma, and even death. Swallowing the liquid may cause aspiration into the lungs, resulting in chemical pneumonitis. May affect the central nervous system. Concentration of 200 ppm can cause irritation. Inhalation: Exposure to vapor can be irritation to the nose and throat. Inhalation of vapor at concentrations above 200 ppm or 3 - 5 minutes can lead to xylene intoxication. Symptoms include headache, dizziness, nausea and vomiting. If exposure should continue, central nervous system depression characterized by shallow breathing and weak pulse can occur. Levels of 230 ppm for 15 minutes may cause lightheadedness without loss of equilibrium. Reversible liver and kidney damage in man has followed exposure to sudden high concentrations of vapor. Such high levels may also give rise to lung congestion. Exposure to extremely high concentrations (10,000 ppm or more) of xylene vapors can lead to a strong narcotic effect with symptoms of slurred speech, stupor fatigue, confusion, unconsciousness, coma, and possible death. Irritates the eyes and respiratory tract. Causes central nervous system depression. High levels of exposure may cause fatigue, weakness, confusion, euphoria, dizziness, headache; dilated pupils, lacrimation (discharge of tears); nervousness, muscle fatigue, insomnia; paresthesia; cardiac dysrhythmia, unconsciousness and death may occur. Inhalation: 100 ppm exposure can cause dizziness, drowsiness and hallucinations. 100 - 200 ppm can cause depression, 200 - 500 ppm can cause headaches, nausea, loss of appetite, loss of energy, loss of coordination and coma. In addition to the above, death has resulted from exposure to 10,000 ppm for an unknown time. Skin: Can cause dryness and irritation. Absorption may cause or increase the severity of symptoms listed above. Eyes: Can cause irritation at 300 ppm. Ingestion: Can cause a burning sensation in the mouth and stomach, upper abdominal pain, cough, hoarseness, headache, nausea, loss of appetite, loss of energy, loss of coordination and coma. The naphthas are irritating to the skin conjunctiva, and the mucous membranes of the upper respiratory tract. Skin "chapping" and photosensitivity may develop after repeated contact with the liquid. If confined against skin by clothing, the naphthas may cause skin burn. Exposure can cause dizziness, lightheadedness and unconsciousness. Inhalation can cause irritation of the eyes and respiratory tract, causing cough and phlegm. Irritates the skin. Amorphous fused silica can affect you when breathed in. Exposure can cause a very serious lung disease called silicosis, with cough and shortness of breath. Very high exposures can cause this problem to develop in a few weeks, or with lower exposures it may occur over many years. Silicosis can cause death. If silicosis develops, chances of getting tuberculosis are increased. The disease may progress, with or without continued exposure. If it does, this can be crippling or even fatal.

Long Term Exposure

n-Butyl acetate may cause skin allergy. n-Butyl acetate has been shown to damage the developing fetus in animals. Prolonged and repeated exposure to butyl acetates can cause defatting, drying and cracking of the skin. Although many solvents and petroleum based products cause lung, brain and nerve damage, these chemicals have not been adequately evaluated to determine these effects. Repeated exposure can cause drying and cracking of the skin. Has been implicated in certain nervous system and brain disorders characterized by weakness, fatigue, sleep disturbances, reduced coordination, heaviness in chest and numbness of hand and feet. These symptoms may develop after 1 year of exposure to vapor concentrations of 50 - 200 ppm. Improvement is gradual and may take years after exposure is discontinued. Animal tests show that this chemical is a teratogen in animals and possibly causes toxic effects upon human reproduction. Repeated or prolonged exposure to the skin may cause drying, scaling and blistering. May cause kidney disease, liver disease, chronic respiratory disease, skin disease, as follows: EB is not nephrotoxic. Concern is expressed because the kidney is the primary route of excretion of EB and its metabolites. EB is not hepatotoxic. Since EB is metabolized by the liver, concern is expressed for these tissues. Exacerbation of pulmonary pathology might occur following exposure to EB. Individuals with impaired pulmonary function might be at risk. EB is a defating agent and may cause dermatitis following prolonged exposure. Individuals with preexisting skin problems may be more sensitive to EB. There is limited evidence that EB may damage the developing fetus, and may cause mutations. Inhalation of xylene vapor and skin contact with liquid are the two most probable routes of long term exposure. Symptoms of inhalation are dizziness, headache and nausea. Long term exposure has been associated with liver and kidney damage, intestinal tract disturbances and central nervous system depression. Prolonged contact with skin can lead to irritation, dryness and cracking. Repeated exposure can cause poor memory, difficulty in concentration, and other brain effects. It can also cause damage to the eye surface. Repeated or prolonged contact with skin may cause dermatitis; drying, cracking, itching, and skin rash. May cause liver, kidney, and brain damage; decreased learning ability, psychological disorders. Levels below 200 ppm may produce headache, tiredness and nausea. From 200 - 750 ppm symptoms may include insomnia, irritability, dizziness, some loss of memory, cause heart palpitations and loss of coordination. Blood effects and anemia have been reported but are probably due to contamination by benzene. Irritates the eyes and upper respiratory system. Coal tar naphtha may contain benzene, a cancer-causing agent in humans. Exposure may cause nervous system and kidney damage. Some coal tar naphthas contain other substances that can cause blood cell damage. Longer exposure may cause drying and cracking of the skin, and make the skin sunburn more easily. Swallowing the liquid may cause chemical pneumonia. High exposures may cause lung irritation; bronchitis may develop. Continued exposure may result in emphysema, lung scarring, lung fibrosis, and tumors. A potential occupational carcinogen.

The following chemicals comprise of at least 0.1% of this mixture and are listed and/or classified as carcinogens or potential carcinogens by the NTP, IARC, OSHA (mandatory listing) or ACGIH (optional listing).

<u>CAS Number</u>	<u>Description</u>	<u>% Weight</u>	<u>Carcinogen Rating</u>
100-41-4	Ethylbenzene	1 to 5%	Ethylbenzene: IARC: Possible human carcinogen OSHA: listed
8030-30-6	Naphtha	1.5	Naphtha: EU REACH: Present (P)
13463-67-7	Titanium Dioxide (Dust)	5 to 10%	Titanium Dioxide (Dust): NIOSH: potential occupational carcinogen IARC: Possible human carcinogen OSHA: listed

Section 12 - Ecological Information

This material has not been tested for ecological effects.

**Persistence and degradability:** No data available

**Bioaccumulative potential:** No data available

**Mobility in soil:** No data available

**Other adverse effects:** Contains photochemically reactive solvent.

#### Component Ecotoxicity

Talc	96 Hr LC50 Brachydanio rerio: >100 g/L [semi-static]
Methyl Ethyl Ketone	96 Hr LC50 Pimephales promelas: 3130 - 3320 mg/L [flow-through] 48 Hr EC50 Daphnia magna: >520 mg/L; 48 Hr EC50 Daphnia magna: 5091 mg/L; 48 Hr EC50 Daphnia magna: 4025 - 6440 mg/L [Static]
Propylene glycol monomethyl ether acetate	96 Hr LC50 Pimephales promelas: 161 mg/L [static] 48 Hr EC50 Daphnia magna: >500 mg/L
n-Butyl Acetate	96 Hr LC50 Lepomis macrochirus: 100 mg/L [static]; 96 Hr LC50 Pimephales promelas: 17 - 19 mg/L [flow-through] 72 Hr EC50 Desmodesmus subspicatus: 674.7 mg/L
Toluene	96 Hr LC50 Pimephales promelas: 15.22 - 19.05 mg/L [flow-through] (1 day old); 96 Hr LC50 Pimephales promelas: 12.6 mg/L [static]; 96 Hr LC50 Oncorhynchus mykiss: 5.89 - 7.81 mg/L [flow-through]; 96 Hr LC50 Oncorhynchus mykiss: 14.1 - 17.16 mg/L [static]; 96 Hr LC50 Oncorhynchus mykiss: 5.8 mg/L [semi-static]; 96 Hr LC50 Lepomis macrochirus: 11.0 - 15.0 mg/L [static]; 96 Hr LC50 Oryzias latipes: 54 mg/L [static]; 96 Hr LC50 Poecilia reticulata: 28.2 mg/L [semi-static]; 96 Hr LC50 Poecilia reticulata: 50.87 - 70.34 mg/L [static] 48 Hr EC50 Daphnia magna: 5.46 - 9.83 mg/L [Static]; 48 Hr EC50 Daphnia magna: 11.5 mg/L 96 Hr EC50 Pseudokirchneriella subcapitata: >433 mg/L; 72 Hr EC50 Pseudokirchneriella subcapitata: 12.5 mg/L [static]
Ethylbenzene	96 Hr LC50 Oncorhynchus mykiss: 11.0 - 18.0 mg/L [static]; 96 Hr LC50 Oncorhynchus mykiss: 4.2 mg/L [semi-static]; 96 Hr LC50 Pimephales promelas: 7.55 - 11 mg/L [flow-through]; 96 Hr LC50 Lepomis macrochirus: 32 mg/L [static]; 96 Hr LC50 Pimephales promelas: 9.1 - 15.6 mg/L [static]; 96 Hr LC50 Poecilia reticulata: 9.6 mg/L [static] 48 Hr EC50 Daphnia magna: 1.8 - 2.4 mg/L 72 Hr EC50 Pseudokirchneriella subcapitata: 4.6 mg/L; 96 Hr EC50 Pseudokirchneriella subcapitata: >438 mg/L; 72 Hr EC50 Pseudokirchneriella subcapitata: 2.6 - 11.3 mg/L [static]; 96 Hr EC50 Pseudokirchneriella subcapitata: 1.7 - 7.6 mg/L [static]
Naphtha	96 Hr LC50 Lepomis macrochirus: 9.2 mg/L [static] 72 Hr EC50 Pseudokirchneriella subcapitata: 4700 mg/L
Xylene	96 Hr LC50 Pimephales promelas: 13.4 mg/L [flow-through]; 96 Hr LC50 Oncorhynchus mykiss: 2.661 - 4.093 mg/L [static]; 96 Hr LC50 Oncorhynchus mykiss: 13.5 - 17.3 mg/L; 96 Hr LC50 Lepomis macrochirus: 13.1 - 16.5 mg/L [flow-through]; 96 Hr LC50 Lepomis macrochirus: 19 mg/L; 96 Hr LC50 Lepomis macrochirus: 7.711 - 9.591 mg/L [static]; 96 Hr LC50 Pimephales promelas: 23.53 - 29.97 mg/L [static]; 96 Hr LC50 Cyprinus carpio: 780 mg/L [semi-static]; 96 Hr LC50 Cyprinus carpio: >780 mg/L; 96 Hr LC50 Poecilia reticulata: 30.26 - 40.75 mg/L [static] 48 Hr EC50 water flea: 3.82 mg/L; 48 Hr LC50 Gammarus lacustris: 0.6 mg/L

Silica, Amorphous

96 Hr LC50 Brachydanio rerio: 5000 mg/L [static]

48 Hr EC50 Ceriodaphnia dubia: 7600 mg/L

72 Hr EC50 Pseudokirchneriella subcapitata: 440 mg/L

## Section 13 - Disposal Considerations

Product should be disposed of in accordance with all Federal, State and local regulations. Contact a licensed professional waste disposal service to dispose of this material. Subject to hazardous waste generation, treatment, storage and disposal rules under RCRA, 40CFR261.

## Section 14 - Transportation Information

The following transportation information is provided based on Transtar Autobody Technologies interpretation of shipping regulations. Each shipper is responsible for identifying, naming, marking and labeling prior to offering for transport.

<u>Agency</u>	<u>Proper Shipping Name</u>	<u>UN Number</u>	<u>Packing Group</u>	<u>Hazard Class</u>
IATA	PAINT	1263	II	3
IMGD	PAINT	1263	II	3
USDOT	PAINT	1263	II	3

For inner packagings not exceeding 5L each packaged in a strong outer box: Limited Quantity

## Section 15 - Regulatory Information

The information listed in this section is not all inclusive of all regulations for this product or the chemical components of this product.

### California Hazardous Substance List:

- None

### HAPS: This formulation contains the following HAPS:

1330-20-7 Xylene 1 to 5 %

100-41-4 Ethylbenzene 1 to 5 %

108-88-3 Toluene 1 to 5 %

### NJ RTK: The following chemicals are listed under New Jersey RTK

7631-86-9 Silica, Amorphous 0.1 to 1.0 %

1330-20-7 Xylene 1 to 5 %

8030-30-6 Naphtha 1.5 %

100-41-4 Ethylbenzene 1 to 5 %

108-88-3 Toluene 1 to 5 %

13463-67-7 Titanium Dioxide (Dust) 5 to 10 %

123-86-4 n-Butyl Acetate 5 to 10 %

78-93-3 Methyl Ethyl Ketone 5 to 10 %

14807-96-6 Talc 10 to 20 %

7727-43-7 Barium Sulfate 10 to 20 %

### California Proposition 65

WARNING: This product contains the following chemical(s) known to the State of California to cause birth defects or other reproductive harm.

108-88-3 Toluene 1 to 5 %

### California Proposition 65

WARNING: This product contains the following chemical(s) known to the State of California to cause cancer.

100-41-4 Ethylbenzene 1 to 5 %

13463-67-7 Titanium Dioxide (Dust) 5 to 10 %

**PA RTK:** The following chemicals are listed under Pennsylvania RTK:

- 7631-86-9 Silica, Amorphous 0.1 to 1.0 %
- 1330-20-7 Xylene 1 to 5 %
- 8030-30-6 Naphtha 1.5 %
- 100-41-4 Ethylbenzene 1 to 5 %
- 108-88-3 Toluene 1 to 5 %
- 13463-67-7 Titanium Dioxide (Dust) 5 to 10 %
- 123-86-4 n-Butyl Acetate 5 to 10 %
- 78-93-3 Methyl Ethyl Ketone 5 to 10 %
- 14807-96-6 Talc 10 to 20 %
- 7727-43-7 Barium Sulfate 10 to 20 %

**EU REACH SIN:** The chemicals listed below are on the EU REACH SIN list

- None

**SARA 312:** This Product contains the following chemicals subject to the reporting requirements of SARA 312:

- 100-41-4 Ethylbenzene 1 to 5 %
- 1345-05-7 barium zinc sulfate sulfide 3.2 %
- 108-88-3 Toluene 1 to 5 %
- 78-93-3 Methyl Ethyl Ketone 5 to 10 %

**SARA 313:** This Product contains the following chemicals subject to the reporting requirements of SARA 313:

- 64742-95-6 Aromatic petroleum distillates 0.1 to 1.0 %
- 100-41-4 Ethylbenzene 1 to 5 %
- 1345-05-7 barium zinc sulfate sulfide 3.2 %
- 108-88-3 Toluene 1 to 5 %
- 78-93-3 Methyl Ethyl Ketone 5 to 10 %

**WHMIS:**

- 7631-86-9 Silica, Amorphous 0.1 to 1.0 %
- 100-41-4 Ethylbenzene 1 to 5 %
- 108-88-3 Toluene 1 to 5 %
- 123-86-4 n-Butyl Acetate 5 to 10 %
- 78-93-3 Methyl Ethyl Ketone 5 to 10 %



**TSCA:** The following are not listed under TSCA:

- Acrylic Copolymer, Proprietary 5 - 10%
- Acrylic polyol, Proprietary 5 - 10%

**SARA:** The following are reportable under SARA

- 78-93-3 Methyl Ethyl Ketone 5 - 10%
- 7779-90-0 Zinc phosphate 5 - 10%
- 100-41-4 Ethylbenzene 1.0 - 5%
- 1330-20-7 Xylene 1.0 - 5%
- 108-88-3 Toluene 1.0 - 5%
- 7631-86-9 Silica, Amorphous 0.1 - 1.0%

## Section 16 - Other Information

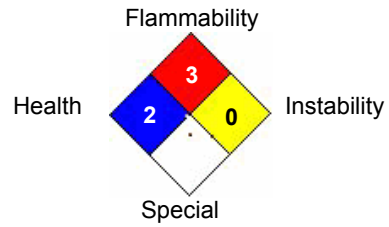
Note: HMIS Ratings involve data and interpretations that can vary from company to company. They are intended only for rapid, general identification of the magnitude of the specific hazard. To deal adequately with the safe handling of this material, all the information contained in this MSDS must be considered.

### Hazardous Material Information System (HMIS)

HEALTH	<input type="text" value="2"/>
FLAMMABILITY	<input type="text" value="3"/>
PHYSICAL HAZARD	<input type="text" value="0"/>
PERSONAL PROTECTION	<input type="text"/>

**HMIS & NFPA Hazard Rating Legend**  
\* = Chronic Health Hazard  
0 = INSIGNIFICANT  
1 = SLIGHT  
2 = MODERATE  
3 = HIGH

### National Fire Protection Association (NFPA)



Date Prepared: 1/23/2015

To the best of our knowledge, the information contained herein is accurate, obtained from sources believed by Transtar Autobody Technologies to be accurate. As with all chemicals, KEEP AWAY FROM CHILDREN AND ANIMALS. FOR PROFESSIONAL AND INDUSTRIAL USE ONLY. The hazard information contained herein is offered solely for the consideration of the user, subject to his own investigation and verification of compliance with applicable regulations, including the safe use of the product under every foreseeable condition.