

MATERIAL SAFETY DATA SHEET

Revision 1
Prepared 2012-06-11

Section 1 - Chemical Product and Company Information

Product Name Tex Coat Chip Guard - Black

Product Code: 4313

Transtar Autobody Technologies
2040 Heiserman Drive
Brighton, MI 48114
Phone (810) 220-3000
Fax (810) 220-3048

24 Hour Emergency Phone(s):

USA: CHEMTREC 1-800-424-9300

International: CHEMTREC Int'l 001-703-527-3887

MSDS Prepared By: Transtar Autobody Technologies

Section 2 - Composition / Information on Ingredients

See Section 15 for Regulatory information

<u>Chemical Name / CAS No</u>	<u>OSHA Exposure Limits</u>	<u>ACGIH Exposure Limits</u>	<u>Other Exposure Limits</u>
Dimethyl Ether 115-10-6 20 to 30%	There is no OSHA PEL.		
Acrylic Polymer, Proprietary 10 to 20%			
Vapor Pressure: 0			
Toluene 108-88-3 10 to 20%	TWA = 200 ppm and a ceiling level of 300 ppm not to be exceeded at any time and a 500 ppm as a 10-minute maximum peak.	TWA of 50 ppm.	
Vapor Pressure: 22 mm Hg			
Calcium Carbonate 1317-65-3 10 to 20%	OSHA has set a TWA of 15 mg/m3 on a total dust basis and 5 mg/m3 on a respirable fraction basis.	ACGIH has set a TWA of 10 mg/m3 (for dust containing no asbestos and <1% free silica).	
Vapor Pressure: 0			
Acetone 67-64-1 10 to 20%	1,000 ppm (2,400 mg/m3) TWA	500 ppm (1,188 mg/m3) TWA and a STEL of 750 ppm (1,782 mg/m3).	
Vapor Pressure: 186			
Butyl Benzyl Phthalate 85-68-7 1 to 5%	Not Available	Not Available	
Vapor Pressure: 0			
Methyl Isobutyl Ketone 108-10-1 1 to 5%	PEL-TWA = 100 ppm (410 mg/m3).	PEL-TWA = 50 ppm (205 mg/m3) and STEL of 75 ppm (300 mg/m3).	
Vapor Pressure: 20 @25C			
Organically modified			

bentonite clay,
Nonhazardous
1 to 5%

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

150 ppm (710 mg/m3)
TWA

150 ppm (710 mg/m3) TWA

Vapor Pressure: 11.5 mmHg

Carbon Black
1333-86-4
0.1 to 1.0%

The OSHA TWA is 3.5
mg/m3.

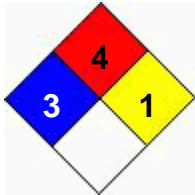
The ACGIH TWA 3.5
mg/m3.

Vapor Pressure: 1 mmHg

Section 3 - Hazards Identification

Danger! Extremely Flammable! Irritant!

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 materials, all the information contained in this MSDS must be considered.



HMIS Rating: 3 - 4 - 2

Routes Of Entry:

Inhalation Skin Contact Eye Contact Ingestion

Exposure to this material may affect the following organs:

Eyes Kidneys Liver Nervous System Skin

Effects of Overexposure, Tex Coat Chip Guard - Black:

Short Term

Methyl isobutyl ketone can affect you when breathed in. Exposure to high concentrations can cause you to feel dizzy and lightheaded and to pass out. Breathing the vapor may cause loss of appetite, nausea, vomiting, and diarrhea. Contact or the vapor can irritate the eyes, nose, mouth, throat. Contact can irritate the skin. Ingestion chemical pneumonitis. Contact can irritate the skin. Exposure can irritate the eyes and respiratory tract. Exposure to high concentrations can cause dizziness, lightheadedness, and unconsciousness. 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. Inhalation may cause irritation to respiratory tract. Skin contact may cause irritation. Eye contact may cause irritation. 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. Irritates the eyes, the skin and the respiratory tract. Skin contact may cause a burning sensation. High levels of this chemical may cause dizziness and lightheadedness. The oral LD50 rat is 2,330 mg/kg (slightly toxic). Irritates the eyes and respiratory tract. High exposure can cause headache, dizziness, lightheadedness and unconsciousness. Rapid evaporation of the liquid can cause severe frostbite. May affect the nervous system.

Long Term

Long-term exposure may damage the liver and kidneys. Repeated or prolonged contact with skin may cause drying and cracking. Repeated skin exposure can cause dryness and skin cracking. This chemical has not been adequately evaluated to determine whether brain or nerve damage could occur with repeated exposure. However, many solvents and other petroleum-based chemicals have been shown to cause such damage. Effects may include reduced memory and concentration, personality changes (withdrawal, irritability), and fatigue, sleep disturbances, reduced coordination, and/or effects on the nerves to the arms and legs (weakness, "pins and needles"). n-Butyl acetate may cause skin allergy. n-Butyl acetate has been shown to

Effects of Overexposure, Tex Coat Chip Guard - Black:

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. Exposure to levels well above 3.5 mg/m³ for several months may result in damage to the skin and nails, temporary or permanent damage to the lungs and breathing passages, and adversely affect the heart. Carbon Black containing PAH greater than 0.1% should be considered a suspect carcinogen. Lungs may be affected by repeated or prolonged exposure at very high concentrations: Some Carbon blacks may contain compounds which are carcinogenic and as organic extracts of these have been classified as possibly carcinogenic to humans, special care should be taken to avoid exposure to such extracts. Lung effects remain controversial and may be due to contaminants. It is probable that minor effects reported are non-specific effects associated with exposure to nuisance dusts in general. Polyaromatic hydrocarbons (PAH) are reportedly present in some carbon blacks. Depending on the process of manufacture, there are variations in their chemical compositions. 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. Listed by NTP as an animal carcinogen. No data for humans. May affect liver and kidney function. Repeated exposure may damage the nervous system, causing weakness, "pins and needles," and poor coordination in arms and legs.

The following chemicals comprise 0.1% or more 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).

(ACGIH)

IARC: Possible carcinogen for humans 2A.

CS listed by NTP: Substance may cause cancer.

(NCI/NTP)

Section 4 - First Aid Measures

INHALATION: Remove person from area to fresh air. If breathing difficulty persists, seek medical attention immediately.

EYE CONTACT: Flush eyes with clean water for 15 minutes. Seek medical attention.

SKIN CONTACT: Wash area thoroughly with soap and water. If rash or blistering develop, seek medical attention.

INGESTION: DO NOT INDUCE VOMITING

Seek professional medical attention for all over exposure or persistent problems (sensitization).

Section 5 - Fire Fighting Measures

Flash Point: -41 C (-42 F)

LEL: 1.0 %

UEL: 112.8 %

EXTINGUISHING MEDIA: Foam, Alcohol foam, CO₂, Dry Chemical, Water Fog, other.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Vapors can travel to a source of ignition and flashback. 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 combustible Products: Carbon monoxide, carbon dioxide, oxides of nitrogen.

Special Fire Fighting Procedures: Full fire fighter equipment including SCBA should be worn to avoid skin contact and inhalation of concentrated vapors. Minimize skin exposure. Highly toxic fumes may be generated by thermal decomposition. Water runoff from fire fighting can cause environmental damages. Dike and collect water used to fight fire.

Section 6 - Spillage/Accidental Release Measures

Accidental Release Measures: Evacuate unprotected and untrained personnel from hazard area. The spill should be cleaned up by qualified personnel. Ventilate the area with fresh air. For large spill, or spills in confined spaces, provide mechanical ventilation to disperse or exhaust vapors, in accordance with good industrial hygiene practice. Warning! A motor could be an ignition source and could cause flammable gases or vapors in the spill area to burn or explode. Contain spill. For larger spills, cover drains and build dikes to prevent entry into sewer systems or bodies of water. Eliminate all sources of ignition, provide adequate ventilation, dike spill area and add absorbent material to spilled liquid. Sweep up and dispose of in a DOT approved container. Working from around the edges of the spill inward, cover with bentonite, vermiculite, or commercially available inorganic absorbent material. The container must be labeled and disposed in accordance with State, Federal, or local waste regulations by a licensed waste contractor/hauler. For large spills or transportation accidents involving release of this product, contact the National Response Center: 800-424-9300.

Section 7 - Handling & Storage

Aerosol cans contain pressurized, flammable propellant. Cans will burst if exposed to extreme heat or temperatures. Keep spray nozzle pointed away from face and do not direct nozzle spray towards people or animals. Avoid hot surfaces. Use in cool, well-ventilated areas. Keep aerosol can capped when not in use. Keep away from excessive heat and open flames. Follow all MSDS/label precautions even after container is emptied because they may retain product residues. Store in a cool area away from heat and flames. Do not reuse container when empty.

Section 8 - Exposure Controls/Personal Protection

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

Ventilation Controls: Use in cool, well-ventilated areas. Keep away from incompatibles. Keep away from excessive heat and open flames. Follow all MSDS/label precautions even after container is emptied because they may retain product residues. Store in a cool area away from heat and flames. Do not reuse container when empty. When spraying this material utilize engineering controls such as vents and fans, to reduce emission levels below the time weighted exposure limits (ACGIH TLV & OSHA PEL) or use a fresh-air supplying respirator or a self-contained breathing apparatus (SCBA).

Admin Controls/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 29 CFR 1200. Smoking in an area where this material is used should be strictly prohibited. Always use protective clothing and equipment.

Respiratory Protection: Avoid breathing of vapors, mists or spray. Select one of the following NIOSH approved respirators based on airborne concentration of contaminants and in accordance with OSHA regulations: Half mask R95 particulate respirator, Half mask or full facepiece air-purifying respirator with N100 particulate filters, Half facepiece or fullface air-purifying respirator with P100 particulate filters, Half facepiece or fullface air-purifying respirator with P95 particulate filters, Half facepiece or fullface air-purifying respirator with N95 particulate filters.

Eye Protection: Use Safety glasses with a face shield or chemical splash goggles.

Skin Protection: Use chemically resistant gloves and coveralls.

Contaminated Gear/Hygiene Practices: Remove all contaminated clothing and wash thoroughly when finished working. Keep food and drink away from materials and from area where material is being used or stored.

Section 9 - Physical & Chemical Properties

This mixture typically exhibits the following properties under normal circumstances:

Appearance	Black
Odor	Organic solvent
Physical State	Liquid

Vapor Density	2.66
Vapor Pressure	97.5 @25C
Evaporation Rate	Faster than Butyl Acetate
Boiling Range	-24 to 825 °C
Weight Percent Volatile	58.30
Specific Gravity (SG)	0.953
Regulatory Coating VOC lb/ga	4.14
Regulatory Coating VOC g/L	496
Actual Coating VOC lb/Gal	3.30
Actual Coating VOC g/L	396
Product Color	Black

Section 10 - Stability and Reactivity

Conditions to avoid:

Alkali contamination
 Strong oxidizing agents, acids, and alkali/base/caustic solutions
 Strong oxidizers

Carbon Monoxide, Carbon Dioxide

Hazardous polymerization will not occur.

Section 11 - Toxicological Information

Not Investigated

Section 12 - Ecological

Not Investigated

Section 13 - Disposal Considerations

This product is subject to the hazardous waste generation, treatment, storage, and disposal regulations of 40 CFR 261, and must be disposed of in accordance with local, state and federal all regulations. It is recommended this material be handled by a licensed waste disposal company and hauler. Recycle containers when possible.

Section 14 - Transportation

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

<u>Agency</u>	<u>Proper Shipping Name</u>	<u>UN Number</u>	<u>Packing Group</u>	<u>HazardClass</u>
USDOT	Aerosol	1950		2.1
IATA	Aerosol	1950		2.1
IMDG	Aerosol	1950		2.1

Section 15 - Regulatory

California Proposition 65

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

115-10-6 Dimethyl Ether 20 to 30 %
 108-88-3 Toluene 10 to 20 %
 85-68-7 Butyl Benzyl Phthalate 1 to 5 %

California Proposition 65

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

115-10-6 Dimethyl Ether 20 to 30 %
1333-86-4 Carbon Black 0.1 to 1.0 %

Section 16 - Other Information

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 USE ONLY!** The hazard information contained herein is offered solely for the consideration of the user and is subject to his/her investigation and verification of compliance with applicable regulations, including the safe use of the product under every foreseeable condition. Transtar Autobody Technologies is not responsible for misuse or damages as a result of misuse of this product.