

MATERIAL SAFETY DATA SHEET



Revision 1
Prepared 2010-02-15

Section 1 - Product and Company Identification

Product Name: 2.1 VOC Urethane Clear Coat

Product Code: 6531, 6534

Manufacturer/Supplier:
TRANSTAR AUTOBODY TECHNOLOGIES
2040 Heiserman Dr.
Brighton, MI, 48114, USA

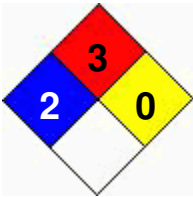
24 Hour Emergency Phone(s): 800-424-9300 (CHEMTREC),
613-996-6666 (CANUTEC)
Business Phone: 810-220-3000
Product Use: Clearcoat
MSDS Prepared By: Transtar Autobody Technologies

Section 2 - Composition

<u>Chemical Name / CAS No</u>	<u>OSHA Exposure Limits</u>	<u>ACGIH Exposure Limits</u>	<u>Other Exposure Limits</u>
Chlorobenzotrifluoride 98-56-6 50 to 60% Vapor Pressure: 5.3 20 C	Not Established	Not Established	No standards set.
Acetone 67-64-1 10 to 20% Vapor Pressure: 186	The Federal OSHA standard is 1,000 ppm (2,400 mg/m3), the DFG/MAK value is 500 ppm (1,200 mg/m3), Peak Limitations are 2 x normal MAK (30 minute average value); not to exceed 4 times per shift.	The ACGIH has a TWA of 500 ppm (1,188 mg/m3) and a STEL of 750 ppm (1,782 mg/m3).	
Acrylic polyol, Proprietary 10 to 20% Vapor Pressure: 0	Not Established	Not Established	
Acrylic/styrene copolymer 5 to 10% Vapor Pressure: 0	Not Established	Not Established	
Acrylic Copolymer, Proprietary 1 to 5% Vapor Pressure: 0	Not Established	Not Established	
Methyl n-Amyl Ketone 110-43-0 2 percent Vapor Pressure: 0		The ACGIH recommends a TWA of 50 ppm (233 mg/m3)..	The Federal standard is 100 ppm (465 mg/m3). The NIOSH IDLH level is 800 ppm. Several states have set guidelines or standards for methyl n-amyl ketone in ambient air ranging from 2.35 – 4.65 mg/m3 (North Dakota) to 3.9 mg/m3 (Virginia) to 4.7 mg/m3 (Connecticut) to 5.595 mg/m3 (Nevada).
Dibutyl Phthalate 84-74-2 1 to 5% Vapor Pressure: .00012	The Federal legal limit (OSHA PEL) and ACGIH recommended TWA is 5 mg/m3.	The Federal legal limit (OSHA PEL) and ACGIH recommended TWA is 5 mg/m3.	The NIOSH IDLH level is 9,300 mg/m3.

Section 3 - Hazard Identification

Note: HMIS ratings involve data and interpretations that may 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.



HMIS Rating: 2 - 3 0

Routes of Entry

Inhalation Skin Contact Eye Contact Ingestion

Target Organs

Eyes Kidneys Liver Nervous System Reproductive System Skin

ACUTE:

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.

Effects of Overexposure, 2.1 VOC Urethane Clear Coat:

Short Term Exposure Causes local irritation to skin, eyes and mucous membranes. May cause irritation by any route of exposure. The LD50 rat is 13 gm/kg (13,000 mg/kg) (insignificantly toxic). Methyl n-amyl ketone can affect you when breathed in and by passing through your skin. Irritates the eyes and the respiratory tract. May affect the central nervous system. Breathing the vapor can cause dizziness and lightheadedness, and can make you pass out. The substance irritates the eyes, skin, and nasal passages and upper respiratory system. May cause stomach irritation; light sensitivity. Contact can irritate the skin. Exposure can irritate the eyes and respiratory tract. Exposure to high concentrations can cause dizziness, lightheadedness, and unconsciousness.

Long Term Exposure There is evidence that this chemical is a mutagen. Causes skin irritation with cracking and drying; destroys the skin's natural oils. May cause liver and kidney damage. May affect the nervous system. Unknown at this time. However this chemical may cause lung problems. Di-n-butyl phthalate may also damage the developing fetus and may also damage the testes (male reproductive glands). 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").

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).

- None

Section 4 - First Aid Measures

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

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

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

SKIN CONTACT: Wash exposed area thoroughly with soap and water.

INGESTION: DO NOT INDUCE VOMITTING. Seek immediate medical attention.

Section 5 - Fire Fighting Measures

Flash Point: 0 C (32 F)

LEL: 0.5 %

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 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: Carbon monoxide, carbon dioxide, oxides of nitrogen.

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

For large spills or transportation accidents involving release of this product, contact the Emergency Response Center: 800-424-9300.

Eliminate all sources of ignition, provide adequate ventilation, dike spill area and add absorbent earth or sawdust to spilled liquid. Sweep up and dispose of in appropriate containers in accordance with Federal, State and/or Local regulations.

Section 7 - Handling and Storage

Safe Handling Measures: Use non-sparking tools and explosion proof equipment when handling this material. Avoid hot surfaces. Use in cool, well-ventilated areas. Keep containers closed 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.

Storage Requirements: Store in a cool area away from heat and flames. Do not reuse container when empty.

Section 8 - Exposure Control and PPE

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.

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.

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 Protection: Use safety glasses with chemical splash goggles or face shield.

Skin Protection: Use chemical resistant gloves.

Section 9 - Physical and Chemical Properties

Appearance	Clear, colorless
Odor	Organic solvent

Physical State	Liquid
Vapor Density	Heavier than air
Vapor Density	4.82
Boiling Range	56 to 340 C
Specific Gravity (SG)	1.130
Lbs VOC/Gal (- H2O & Ex Solv)	0.87 lbs/gallon or 103 g/L
Lbs VOC/Gal	0.29

Section 10 - Stability and Reactivity

Stable under normal conditions

Incompatible with:

Strong oxidizing agents
Strong bases
Acids

Hazardous products produced under decomposition:

Carbon Monoxide, Carbon Dioxide

Section 11 - Toxicological Information

This material has not been tested for toxicological effects.

Section 12 - Ecological Information

This material has not been tested for ecological effects.

Section 13 - Disposal Considerations

Subject to hazardous waste generation, treatment, storage and disposal. Product should be disposed of in accordance with all governmental regulations. Subject to hazardous waste generation, treatment, storage and disposal under RCRA, 40CFR261. Product should be disposed of in accordance with all Federal, State and local regulations.

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.

USA (DOT) Status: Paint, 3, UN1263, PG II For inner packagings not exceeding 5 L each packaged in a strong outer box: CONSUMER COMMODITY ORM-D

Water (IMDG) Status: Paint, 3, UN1263, PG II

Air (ICAO,IATA) Status: Paint, 3, UN1263, PG II

Canada (TDG) Status: Paint, 3, UN1263, PG II For inner packagings not exceeding 5 L each packaged in a strong outer box: CONSUMER COMMODITY ORM-D

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 Proposition 65: WARNING: This product contains chemical(s) known to the State of California to cause birth defects or other reproductive harm.

84-74-2 Dibutyl Phthalate 1 to 5 percent

DSL Status: The following chemicals are not listed on the DSL Inventory and or are not in compliance with the DSL

-None

EINECS : The following chemicals are not listed on the EINECS Inventory and or are not in compliance with the

- None

The following chemicals are listed under Massachusetts RTK:

67-64-1 Acetone 10 to 20 percent
110-43-0 Methyl n-Amyl Ketone 2 percent
84-74-2 Dibutyl Phthalate 1 to 5 percent

New Jersey RTK

67-64-1 Acetone 10 to 20 percent
110-43-0 Methyl n-Amyl Ketone 2 percent
84-74-2 Dibutyl Phthalate 1 to 5 percent

Pennsylvania RTK

67-64-1 Acetone 10 to 20 percent
110-43-0 Methyl n-Amyl Ketone 2 percent
84-74-2 Dibutyl Phthalate 1 to 5 percent

The chemicals listed below are on the EU REACH SIN list

84-74-2 Dibutyl Phthalate 1 to 5 percent

Rhode Island RTK

67-64-1 Acetone 10 to 20 percent
110-43-0 Methyl n-Amyl Ketone 2 percent
84-74-2 Dibutyl Phthalate 1 to 5 percent

SARA 312

84-74-2 Dibutyl Phthalate 1 to 5 percent

Section 313 of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This Product contains a chemical or chemicals which are subject to the reporting requirements of the Act, and Title 40 of the Code of Federal Regulations part 372.

84-74-2 Dibutyl Phthalate 1 to 5 percent

WHMIS:

B2 D2A D2B

The following are not listed under TSCA or do not meet the reporting/listing requirements under TSCA

Acrylic/styrene copolymer 5 - 10%
Acrylic Copolymer, Proprietary 1.0 - 5%
Acrylic polyol, Proprietary 10 - 20%

The following are reportable under SARA

98-56-6 Chlorobenzotrifluoride 50 - 60%
84-74-2 Dibutyl Phthalate 1.0 - 5%

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, subject to his own investigation and verification of compliance with applicable regulations, including the safe use of the product under every foreseeable condition.

Filename: 6531, 6534 kstraccia 20100215.RTF
Directory: C:\Documents and Settings\koman\My Documents
Template: C:\Documents and Settings\koman\Application
Data\Microsoft\Templates\Normal.dotm
Title:
Subject:
Author: Crystal Reports
Keywords:
Comments:
Creation Date: 2/15/2010 8:59:00 AM
Change Number: 11
Last Saved On: 3/1/2010 3:24:00 PM
Last Saved By: Straccia, Kathy
Total Editing Time: 300 Minutes
Last Printed On: 3/1/2010 3:47:00 PM
As of Last Complete Printing
Number of Pages: 5
Number of Words: 1,989 (approx.)
Number of Characters: 11,342 (approx.)