

MATERIAL SAFETY DATA SHEET



Revision 1
Prepared 2010-08-26

Section 1 - Product and Company Identification

Product Name: 2.1 VOC Euro Clear Fast Hardener

Product Code: 7326

Manufacturer/Supplier:
TRANSTAR AUTOBODY TECHNOLOGIES
2040 Heiserman Dr.
Brighton, MI, 48114, USA
www.tat-co.com

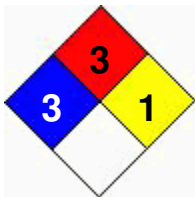
24 Hour Emergency Phone(s): 800-424-9300 (CHEMTREC),
613-996-6666 (CANUTEC)
Business Phone: 810-220-3000
Product Use: Activator
MSDS Prepared By: Transtar Autobody Technologies

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 40 to 50% Vapor Pressure: 5.3 20 C	Not Established	Not Established	No standards set.
Aliphatic Polyisocyanate 28182-81-2 29 percent Vapor Pressure: 0	.005	Time Weighted Average (TWA) : .005 mg/m3 Exposure Limit – Short Term Exposure Limit (STEL): 1.00 mg/m3 (15-min)	Chronic inhalation may cause effects similar to those of acute inhalation. Repeated exposure may cause lung irritation, chest pain, and pulmonary edema. Chronic exposure to Isocyanates has been reported to cause lung damage, including
Methyl Ethyl Ketone 78-93-3 13 percent Vapor Pressure: 12.13 25C	The OSHA TWA is 200 ppm (590 mg/m3).	The DFG MAK, the HSE TWA and the recommended ACGIH TWA value is 200 ppm (590 mg/m3) and the STEL value is 300 ppm (885 mg/m3).	NIOSH recommends the same level for a 10-hour TWA and adds a STEL of 300 ppm (885 mg/m3). The NIOSH IDLH level is 3,000 ppm.
Homopolymer of IPDI 53880-05-0 6 percent Vapor Pressure: 36.7 45.0 mm/Hg	Not Established	Not Established	
Aromatic petroleum distillates 64742-95-6 3 percent Vapor Pressure: 2.6 mmHg	Not Established	Not established	
n-Butyl Acetate 123-86-4 1 to 5% Vapor Pressure: 11.5 mmHg	The OSHA legal limit and ACGIH value is 3.5 mg/m3 TWA.	The OSHA legal limit and ACGIH value is 3.5 mg/m3 TWA.	

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: 3 - 3 1



Routes of Entry

Inhalation

Skin Contact

Eye Contact

Ingestion

Target Organs

Blood Eyes

Kidneys

Liver

Lungs

Nervous System

Skin

Other

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 Euro Clear Fast Hardener:

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).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.

Long Term Exposure There is evidence that this chemical is a mutagen. 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

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: 1.0 %

UEL: 11.4 %

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

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.

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	5.58
Boiling Range	79 to 194 C
Specific Gravity (SG)	1.144
Lbs VOC/Gal (- H2O & Ex Solv)	2.98
Lbs VOC/Gal	1.77

Section 10 - Stability and Reactivity

Incompatible with:

- Strong oxidizers
- Strong oxidizing agents
- Strong bases
- Carbon Monoxide, Carbon Dioxide

Hazardous products produced under decomposition:

- Carbon Monoxide, Carbon Dioxide
- Oxides of nitrogen, hydrogen cyanide

Hazardous Polymerization will not occur

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: UN1263, Paint Related Material, 3, PG II For inner packagings not exceeding 5 L each packaged in a strong outerbox: CONSUMER COMMODITY ORM-D

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

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

Canada (TDG) Status: UN1263, Paint Related Material, 3, PG II For inner packagings not exceeding 5 L each packaged in a strong outerbox: 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 does not contains chemical(s) known to the State of California to cause cancer and birth defects or other reproductive harm.

-None

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 EINECS

-None

This formulation contain HAPS listed below

- None

The following chemicals are listed under Massachusetts RTK:

28182-81-2 Aliphatic Polyisocyanate 29 percent
53880-05-0 Homopolymer of IPDI 6 percent
64742-95-6 Aromatic petroleum distillates 3 percent
123-86-4 n-Butyl Acetate 1 to 5 percent

New Jersey RTK

28182-81-2 Aliphatic Polyisocyanate 29 percent
53880-05-0 Homopolymer of IPDI 6 percent
64742-95-6 Aromatic petroleum distillates 3 percent
123-86-4 n-Butyl Acetate 1 to 5 percent

Pennsylvania RTK

28182-81-2 Aliphatic Polyisocyanate 29 percent
53880-05-0 Homopolymer of IPDI 6 percent
64742-95-6 Aromatic petroleum distillates 3 percent
123-86-4 n-Butyl Acetate 1 to 5 percent

The chemicals listed below are on the EU REACH SIN list

- None

Rhode Island RTK

64742-95-6 Aromatic petroleum distillates 3 percent
123-86-4 n-Butyl Acetate 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.

78-93-3 Methyl Ethyl Ketone 13 percent
64742-95-6 Aromatic petroleum distillates 3 percent

WHMIS:

64742-95-6 Aromatic petroleum distillates 3 percent

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

- None

The following are reportable under SARA

98-56-6 Chlorobenzotrifluoride 40 - 50%
123-86-4 n-Butyl Acetate 1.0 - 5%
64742-95-6 Aromatic petroleum distillates 2.6%
78-93-3 Methyl Ethyl Ketone 13.0%
28182-81-2 Aliphatic Polyisocyanate 28.5%

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.

F732-A

Filename: 7326 kstraccia 20100826.RTF
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