

SAFETY DATA SHEET

Section 1 - Chemical Product and Company Information

Product Name: Waterborne Thinner Product Code: 50-0081

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

CHEMTREC 24 Hour Emergency Phone(s):

USA & Canada 800-424-9300
International +1 703 741-5970

Distributor (if applicable):

Business Phone: 800-824-2843

SDS Prepared By: Transtar Autobody Technologies

Product Use: 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:

Reproductive toxin	2	Human or animal evidence possibly with other information Significant toxicity in humans- Reliable, good quality human case studies or epidemiological studies, Presumed significant toxicity in humans- Animal studies with significant and/or severe toxic effects relevant to humans at generally low exposure (guidan
Organ toxin single exposure	1	
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

GHS Hazards

H361	Suspected of damaging fertility or the unborn child
H370	Causes damage to organs
H373	May cause damage to organs through prolonged or repeated exposure

GHS Precautions

P201	Obtain special instructions before use
P202	Do not handle until all safety precautions have been read and understood
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
P280	Wear protective gloves, protective clothing, eye protection, face protection and respiratory protection.
P307+P311	IF exposed: Call a POISON CENTER or doctor
P405	Store locked up
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

The following % of the mixture consists of ingredient(s) of unknown acute toxicity.

0%

Section 3 - Composition

Chemical Name / CAS No.	OSHA Exposure Limits	ACGIH Exposure Limits	Other Exposure Limits
n-Butoxyethanol 111-76-2 1 to 5%	50 ppm TWA; 240 mg/m3 TWA	20 ppm TWA	NIOSH: 5 ppm TWA; 24 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: Wash exposed area thoroughly with soap and water. Seek medical attention if irritation persists. Do NOT use solvents or thinners to wash off. Wash contaminated clothing before reuse.

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. Drink 1 to 2 glasses of water to dilute. Never give anything by mouth to an unconscious person.

Most important symptoms and effects, both acute and delayed:

Irritation to digestive tract, irritation to respiratory tract, irritation to skin and eyes, breathing difficulty, headaches, coughing.

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: No Data Available

UEL: No Data Available

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

Unsuitable Extinguishing Media: High volume water jets

Unusual Fire and Explosion Hazards: Closed containers may explode when exposed to extreme heat. May form peroxides of unknown stability.

Hazardous Combustion Products: oxides of carbon, oxides of nitrogen, peroxides, styrene, acrylic monomers & toxic fume.

Special Firefighting Procedures: Keep people away. Use water spray to cool fire exposed containers. Fight fire from protected location or safe distance. 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. Stop spill at source. Dike and contain.

For personal protection see section 8.

Environmental precautions:

Prevent further leakage or spillage if safe to do so. Prevent product from entering into drains, soil, ditches, low areas, sewers and waterways.

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.

Large Spills: 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

Safe Handling Measures: Avoid contact with skin, eyes and clothing. Avoid inhalation of vapor or mist. Wash thoroughly after handling. Use in cool, well-ventilated areas. Keep containers closed when not in use. 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. Store in a cool, dry and well-ventilated place. Do not reuse container when empty. Store away from incompatible materials.

PROTECT THE PRODUCT FROM TEMPERATURES BELOW 5 C (41 F):

The product may be stored for 1 year if kept in a tightly closed container between 5 C (41 F) and 30 C (86 F)

Section 8 - Exposure Controls/Personal Protection

Chemical Name / CAS No.	OSHA Exposure Limits	ACGIH Exposure Limits	Other Exposure Limits
n-Butoxyethanol 111-76-2	50 ppm TWA; 240 mg/m3 TWA	20 ppm TWA	NIOSH: 5 ppm TWA; 24 mg/m3 TWA

Engineering Controls: Use exhaust if general ventilation is not sufficient to keep the airborne contaminant levels low. Eye wash/shower stations should be in work area.

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. 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.

Hand 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: Remove all contaminated clothing and wash thoroughly when finished working and before reuse. 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:

<p>Appearance Clear</p> <p>Odor Organic Solvent</p> <p>pH: No data available</p> <p>Freezing point: No data available</p> <p>Flash point: >212 F,>100 C</p> <p>Flammability: No data available</p> <p>Vapor Pressure: 0.019 20 C</p> <p>Density (Lb / Gal) 8.33</p> <p>Partition coefficient (n- octanol/water): No data available</p> <p>Decomposition temperature: No data available</p> <p>Regulatory Coating VOC g/L 901</p> <p>Actual Coating VOC g/L 20</p> <p>Weight Percent Volatile 100.00</p> <p>% Weight VOC 2.00</p> <p>% Wt Exempt VOC 0.00</p>	<p>Physical State Liquid</p> <p>Odor threshold: No data available</p> <p>Melting point: No data available</p> <p>Boiling range: 100°C</p> <p>Evaporation rate: No data available</p> <p>Explosive Limits: No Data Available</p> <p>Vapor Density: 4.1</p> <p>Solubility: No data available</p> <p>Autoignition temperature: 230°C</p> <p>Viscosity: No data available</p> <p>Regulatory Coating VOC lb/gal 7.52</p> <p>Actual Coating VOC lb/Gal 0.17</p> <p>Specific Gravity (SG) 0.998</p> <p>% Weight Water 98.0</p> <p>% Vol Exempt VOC 0.00</p>
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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: No Data Available

Hazardous products produced under decomposition:

No Data Available

Section 11 - Toxicological Information

Mixture Toxicity

Component Toxicity

111-76-2 n-Butoxyethanol
Oral: 1,300 mg/kg (Rat) Dermal: 2,000 mg/kg (Rat) Inhalation: 700 ppm (Mouse)

This mixture has not been tested for toxicological effects.

Acute Effects:

INHALATION - Irritation to respirator tract, coughing, breathing difficulty & headaches.

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.

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

Target Organs

Blood Eyes Kidneys Liver Central Nervous System Skin Respiratory System

Effects of Overexposure

Long Term Exposure The liquid defats the skin. This chemical can break down red blood cells, and cause anemia; effects the haematopoietic system, resulting in blood disorders. It can also damage the liver and kidneys.

Short Term Exposure This chemical irritates the eyes, skin, and respiratory tract. High exposure caused dizziness, lightheadedness, and unconsciousness. breath. Higher exposures can cause pulmonary edema, a medical emergency that can be delayed for several hours. This can cause death. Exposure could cause central nervous system depression and liver and kidney damage

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>
None			No Data Available

Section 12 - Ecological Information

This material has not been tested for ecological effects.

Persistence and degradability: No data available

California Proposition 65

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

- None

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

111-76-2 n-Butoxyethanol 1 to 5 %

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

- None

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

- None

TSCA: The following are not listed under TSCA:

- None

Section 16 - Other Information

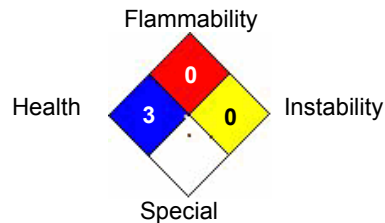
Note: HMIS Ratings involve data and interpretations that can vary from company to company. They are intended only for rapid, general identification of the magnitude of the specific hazard. To deal adequately with the safe handling of this material, all the information contained in this MSDS must be considered.

Hazardous Material Information System (HMIS)

HEALTH	<input type="text" value="2"/>
FLAMMABILITY	<input type="text" value="0"/>
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: 9/26/2016

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.