

SAFETY DATA SHEET

Section 1 - Product and Company Identification

Product Name: KICKER Urethane Accelerator Product Code: 6417

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

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: Urethane Accelerator, 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	3	Flash point $\geq 23^{\circ}\text{C}$ and $\leq 60^{\circ}\text{C}$ (140°F)
Oral Toxicity	Acute Tox. 3	Oral $>50+\leq 300\text{mg/kg}$
Inhalation Toxicity	Acute Tox. 2	Gases $>100+\leq 500\text{ppm}$, Vapors $>0.5+\leq 2\text{mg/l}$, Dusts&mists $>0.05+\leq 0.5\text{mg/l}$
Skin corrosive	3	Reversible adverse effects in dermal tissue, Draize score: $\geq 1.5 < 2.3$
Reproductive toxin	1B	Known or presumed to cause effects on human reproduction or on development
Organ toxin single exposure	3	Transient target organ effects- Narcotic effects- Respiratory tract irritation
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	A3	Acute toxicity ≤ 10.0 but $< 100\text{ mg/l}$

GHS Hazards

H226	Flammable liquid and vapor
H303	May be harmful if swallowed
H316	Causes mild skin irritation
H330	Fatal if inhaled
H336	May cause drowsiness or dizziness
H360	May damage fertility or the unborn child
H373	May cause damage to organs through prolonged or repeated exposure
H402	Harmful to aquatic life

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
P210	Keep away from heat/sparks/open flames/hot surfaces - No smoking
P233	Keep container tightly closed
P240	Ground/bond container and receiving equipment
P241	Use explosion-proof electrical/ventilating/lighting equipment

P242	Use only non-sparking tools
P243	Take precautionary measures against static discharge
P260	Do not breathe dust, mist, vapors, spray
P271	Use only outdoors or in a well-ventilated area
P273	Avoid release to the environment
P280	Wear protective gloves/protective clothing/eye protection/face protection
P284	Wear respiratory protection
P310	Immediately call a POISON CENTER or doctor
P320	Specific treatment is urgent
P303+361+353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower
P304+340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
P308+313	IF exposed or concerned: Get medical advice
P332+313	If skin irritation occurs: Get medical advice
P370+378	In case of fire: Use dry chemical, CO ₂ , foam or water fog to extinguish
P405	Store locked up
P403+235	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

Chemical Name / CAS No.	OSHA Exposure Limits	ACGIH Exposure Limits	Other Exposure Limits
2,4-Pentanedione 123-54-6 90 to 100%	Not Available	25 ppm TWA	
Dibutyltin Dilaurate 77-58-7 1 to 5%	OSHA Permissible Exposure Limit (PEL) = 0.1 mg/m ³ TWA (Can be absorbed through skin)	ACGIH Threshold Limit Value (TLV): 0.1 mg/m ³ TWA; 0.2 mg/m ³ STEL (Can be absorbed through skin)	

Section 4 - First Aid Measures

INHALATION: If breathing is difficult, remove person to fresh air and keep comfortable for breathing . If breathing difficulty persists, seek medical attention.

EYE CONTACT: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing for a minimum of 15 minutes. If eye irritation persists: seek medical advice/attention.

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

INGESTION: 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. Seek immediate medical attention.

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: 2.4 %

UEL: 11.6 %

Extinguishing Media: Dry Chemical, Foam, Alcohol Foam, CO2 & water fog.

Unsuitable Extinguishing Media: No data available

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.

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 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: Avoid contact with skin and eyes. Avoid inhalation of vapor or mist. 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 MSDS/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/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
2,4-Pentanedione 123-54-6	Not Available	25 ppm TWA	
Dibutyltin Dilaurate 77-58-7	OSHA Permissible Exposure Limit (PEL) = 0.1 mg/m ³ TWA (Can be absorbed through skin)	ACGIH Threshold Limit Value (TLV): 0.1 mg/m ³ TWA; 0.2 mg/m ³ STEL (Can be absorbed through skin)	

Engineering Controls: Ground and bond container and receiving equipment. Use explosion proof electrical, ventilation, lighting equipment. Use non-sparking tools.

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.

Section 9 - Physical and Chemical Properties

This mixture typically exhibits the following properties under normal circumstances:

Appearance Clear to pale yellow Odor Organic Solvent pH: No data available Freezing point: No data available Flash point: 93 F, 34 C Flammability: Not applicable to liquids	Physical State Liquid Odor threshold: No data available Melting point: No data available Boiling range: 78°C Evaporation rate: No data available Explosive Limits: 2% - 12%
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Vapor Pressure: 6.3 Density (Lb / Gal) 8.15 Partition coefficient (n- No data available octanol/water): Decomposition temperature: No data available Regulatory Coating VOC g/L 961 Actual Coating VOC g/L 961 Weight Percent Volatile 98.40 % Weight VOC 98.40 % Wt Exempt VOC 0.00	Vapor Density: 6.3 Solubility: No data available Autoignition temperature: 335°C Viscosity: No data available Regulatory Coating VOC 8.02 lb/gal Actual Coating VOC lb/Gal 8.02 Specific Gravity (SG) 0.977 % Weight Water 0.0 % Vol Exempt VOC 0.00
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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.

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

Incompatible with:

bases, acids and strong oxidizers

Hazardous products produced under decomposition:

Carbon Monoxide, Carbon Dioxide

Hazardous polymerization will not occur.

Section 11 - Toxicological Information

Mixture Toxicity

Oral Toxicity: 55.00mg/kg

Inhalation Toxicity: 1.21mg/L

Component Toxicity:

Component Description Oral, Dermal, Inhalation Toxicity	Ecotoxicity:
2,4-Pentanedione Oral:55.00 mg/kg (Rat) Inhalation: Rat ppm (Rat)	96 Hr LC50 Pimephales promelas: 98.3 - 110 mg/L [flow-through]; 96 Hr LC50 Lepomis macrochirus: 50.3 - 71.8 mg/L [flow-through]; 96 Hr LC50 Oncorhynchus mykiss: 64.1 - 80.1 mg/L [flow-through] 48 Hr EC50 Daphnia magna: 34.4 mg/L
Dibutyltin Dilaurate Oral:45.00 mg/kg (Rat) Dermal: 630.00 mg/kg (Rabbit)	N/A

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****Target Organs**

Skin Eyes Lungs Central Nervous System

Effects of Overexposure**Short Term Exposure**

Irritates the eyes, skin, and respiratory tract. Eye irritation may be severe. May affect the nervous system. If inhaled, will cause dizziness, coughing, headaches, convulsions, loss of consciousness and possible death. In addition to neuropathy, 2,4-pentanedione causes thymic atrophy; it complexes with and inhibits the activities of oxidizing enzymes; it causes minor to severe eye injury and minor to moderate skin irritation in animals; and it has caused contact urticaria and allergic contact dermatitis in humans.

Long Term Exposure

Repeated or prolonged contact may cause skin sensitization and allergy. High exposure may affect the brain. May affect the lungs, thymus, central nervous system . There is limited evidence of reproductive damage and mutations.

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).

CAS NumberDescription% WeightCarcinogen Rating

None

No Data Available

Section 12 - Ecological Information

See section 11 for Ecotoxicity information.

Persistence and degradability: No data available

Bioaccumulative potential: No data available

Mobility in soil: No data available

Other adverse effects: Contains photochemically reactive solvent.

This material has not been tested for ecological effects .

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 Related Material	1263	III	3
IMDG	Paint Related Material	1263	III	3
USDOT	Paint Related Material	1263	III	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:

- None

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

123-54-6 2,4-Pentanedione 90 to 100 %

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.

77-58-7 Dibutyltin Dilaurate 1 to 5 %

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:

123-54-6 2,4-Pentanedione 90 to 100 %

The chemicals listed below are on the EU REACH SIN list

77-58-7 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

WHMIS:

77-58-7 Dibutyltin Dilaurate 1 to 5 %

123-54-6 2,4-Pentanedione 90 to 100 %



The following are not listed under TSCA:

- None

The following are reportable under SARA

77-58-7 Dibutyltin Dilaurate 1.0 - 5%

123-54-6 2,4-Pentanedione 90 - 100%

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

HMIS & NFPA Hazard Rating

Legend

* = Chronic Health Hazard

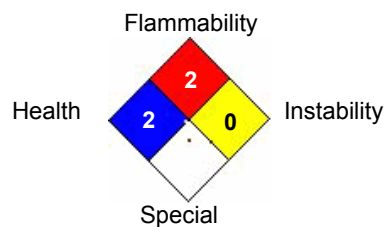
0 = INSIGNIFICANT

1 = SLIGHT

2 = MODERATE

3 = HIGH

National Fire Protection Association (NFPA)



Date Prepared: 10/28/2014

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.