SAFETY DATA SHEET

Section 1 - Product and Company Identification

Product Name: SPEEDI SCAT

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

Product Code: 6321, 6325

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: 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	2	Flash point < 23°C and initial boiling point > 35°C (95°F)
Reproductive toxin	1A	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

GHS Hazards

H225	Highly flammable liquid and vapor
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

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, hot surfaces, sparks, open flames and other ignition sources - No smoking
P233	Keep container tightly closed
P240	Ground and bond container and receiving equipment
P241	Use explosion-proof electrical, ventilating, lighting and motorized equipment
P242	Use only non-sparking tools
P243	Take precautionary measures against static discharge

P260	Do not breathe dust, mist, vapors or spray
P271	Use only outdoors or in a well-ventilated area
P280	Wear protective gloves, protective clothing, eye protection, face protection and respiratory protection.
P303+P361+P353	IF ON SKIN (or hair): Immediately take off all contaminated clothing. Wash skin with soap and water.
P304+P340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
P308+P313	IF exposed or concerned: Get medical advice
P370+P378	In case of fire: Use dry chemical, CO2, foam or water fog to extinguish
P405	Store locked up
P403+P235	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

The following % of the mixture consists of ingredient(s) of unknown acute toxicity.
None

Section 3 - Composition

Chemical Name / CAS No.	OSHA Exposure Limits	ACGIH Exposure Limits	Other Exposure Limits
Heptane Branched, Linear and Cyclic 426260-76-6 90 to 100%	TWA: 500 ppm (as n-heptane) TWA:2000 mg/m3	TWA: 400ppm STEL: 500 ppm (as n-heptane)	
Toluene 108-88-3 5 to 10%	200 ppm TWA	20 ppm TWA	NIOSH: 100 ppm TWA; 375 mg/m3 TWA 150 ppm STEL; 560 mg/m3 STEL
n-Heptane 142-82-5 2.8 percent	The OSHA PEL is TWA of 500 ppm (2,000 mg/m3) NIOSH recommends a TWA of 85 ppm and STEL of 44 ppm.	The HSE and the ACGIH has set a TWA of 400 ppm (1,600 mg/m3) and an STEL of 500 ppm (2,000 mg/m3).	

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: Take off all contaminated clothing immediately. Wash exposed area thoroughly with soap and water. Seek medical attention if irritation presists. Do NOT use solvents or thinners to wash off.

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. Never give anything by mouth to an unconscious person.

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: 1.1 % UEL: 7.1 %

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

Unsuitable Extinguishing Media: High volume water jets

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. 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 pesonnel 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 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.

Section 7 - Handling and Storage

Safe Handling Measures: Avoid contact with skin and eyes. Avoid inhalation of vapor or mist. Ground and bond container and receiving equipment. 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 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. Keep away from heat, sparks, open flames and 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
Heptane Branched, Linear and Cyclic 426260-76-6	TWA: 500 ppm (as n-heptane) TWA:2000 mg/m3	TWA: 400ppm STEL: 500 ppm (as n-heptane)	
Toluene 108-88-3	200 ppm TWA	20 ppm TWA	NIOSH: 100 ppm TWA; 375 mg/m3 TWA 150 ppm STEL; 560 mg/m3 STEL
n-Heptane 142-82-5	The OSHA PEL is TWA of 500 ppm (2,000 mg/m3) NIOSH recommends a TWA of 85 ppm and STEL of 44 ppm.	The HSE and the ACGIH has set a TWA of 400 ppm (1,600 mg/m3) and an STEL of 500 ppm (2,000 mg/m3).	

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

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 and oxygen dificient 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.
Contaminated Gear: Take off contaminated clothing immediately and wash before reuse.

Section 9 - Physical and Chemical Properties

This mixture typically exhibits the following properties under normal circumstances:

Appearance	Clear	**Physical State**	Liquid
Odor	Organic Solvent	**Odor threshold:**	No data available
pH:	No data available	**Melting point:**	No data available
Freezing point:	No data available	**Boiling range:**	91°C
Flash point:	16 F,-9 C	**Evaporation rate:**	No data available
Flammability:	No data available	**Explosive Limits:**	1% - 7%
Vapor Pressure:	3.1 mmHg	**Vapor Density:**	3.5
Density (Lb / Gal)	5.84	**Solubility:**	No data available
Partition coefficient (n-octanol/water):	No data available	**Autoignition temperature:**	480°C
Decomposition temperature:	No data available	**Viscosity:**	No data available
Regulatory Coating VOC g/L	700	**Regulatory Coating VOC lb/gal**	5.84
Actual Coating VOC g/L	700	**Actual Coating VOC lb/Gal**	5.84
Weight Percent Volatile	100.00	**Specific Gravity (SG)**	0.700
% Weight VOC	100.00	**% Weight Water**	0.0
% Wt Exempt VOC	0.00	**% Vol Exempt VOC**	0.00

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:

Mineral acids and strong oxidizers

Hazardous products produced under decomposition:

Carbon Monoxide, Carbon Dioxide

Section 11 - Toxicological Information

Mixture Toxicity

Dermal Toxicity: 2,087mg/kg
Inhalation Toxicity: 59mg/L

Component Toxicity

426260-76-6	Heptane Branched, Linear and Cyclic Oral: 5,000 g/kg (Rat) Dermal: 2,000 mg/kg (Rabbit) Inhalation: 74 mg/L (Rat)
108-88-3	Toluene Oral: 2,600 mg/kg (Rat) Inhalation: 13 mg/L (Rat)
142-82-5	n-Heptane Oral: 5,000 mg/kg (Rat) Dermal: 2,000 mg/kg (Rabbit) Inhalation: 74 mg/L (Rat)

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

Eyes **Kidneys** **Liver** **Lungs** **Central Nervous System** **Skin** **Respiratory System**

Effects of Overexposure

Short Term Exposure	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. n-Heptane irritates the eyes, skin, and respiratory tract. A narcotic at high concentrations. n-Heptane can cause dermatitis and mucous membrane irritation. Aspiration of the liquid may result in chemical pneumonitis, pulmonary edema, and hemorrhage. Systemic effects may arise without complaints of mucous membrane irritation. Exposure to high concentrations causes narcosis producing vertigo, incoordination, intoxication characterized by hilarity, slight nausea, loss of appetite, and a persisting gasoline taste in the mouth. These effects may be first noticed on entering a contaminated area. n-Heptane may cause low order sensitization of the myocardium to epinephrine. Swallowing the liquid may cause chemical pneumonitis.
Long Term Exposure	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. The liquid defeats the skin causing dryness and irritation. May affect the central nervous system, liver. Many petroleum solvents similar to heptane can cause brain damage that can affect memory, concentration, mood, sleep patters.

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 Number	Description	% Weight	Carcinogen Rating
None			No Data Available

Section 12 - Ecological Information

This material has not been tested for ecological effects.

Persistence and degradability: No data available

Bioaccumulative potential: No data available

Mobility in soil: No data available

Other adverse effects: Contains photochemically reactive solvent.

Component Ecotoxicity

Toluene	96 Hr LC50 Pimephales promelas: 15.22 - 19.05 mg/L [flow-through] (1 day old); 96 Hr LC50 Pimephales promelas: 12.6 mg/L [static]; 96 Hr LC50 Oncorhynchus mykiss: 5.89 - 7.81 mg/L [flow-through]; 96 Hr LC50 Oncorhynchus mykiss: 14.1 - 17.16 mg/L [static]; 96 Hr LC50 Oncorhynchus mykiss: 5.8 mg/L [semi-static]; 96 Hr LC50 Lepomis macrochirus: 11.0 - 15.0 mg/L [static]; 96 Hr LC50 Oryzias latipes: 54 mg/L [static]; 96 Hr LC50 Poecilia reticulata: 28.2 mg/L [semi-static]; 96 Hr LC50 Poecilia reticulata: 50.87 - 70.34 mg/L [static] 48 Hr EC50 Daphnia magna: 5.46 - 9.83 mg/L [Static]; 48 Hr EC50 Daphnia magna: 11.5 mg/L 96 Hr EC50 Pseudokirchneriella subcapitata: >433 mg/L; 72 Hr EC50 Pseudokirchneriella subcapitata: 12.5 mg/L [static]

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 .

Agency	Proper Shipping Name	UN Number	Packing Group	Hazard Class
IATA	PAINT RELATED MATERIALS	UN1263	II	3
IMGD	PAINT RELATED MATERIALS	UN1263	II	3
USDOT	PAINT RELATED MATERIALS	UN1263	II	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:

108-88-3 Toluene 5 to 10 %

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

142-82-5 n-Heptane 2.8 %

108-88-3 Toluene 5 to 10 %

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.

142-82-5 n-Heptane 2.8 %
108-88-3 Toluene 5 to 10 %

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:

142-82-5 n-Heptane 2.8 %
108-88-3 Toluene 5 to 10 %

EU REACH SIN: The chemicals listed below are on the EU REACH SIN list

- None

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

142-82-5 n-Heptane 2.8 %
108-88-3 Toluene 5 to 10 %

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

108-88-3 Toluene 5 to 10 %

WHMIS:

142-82-5 n-Heptane 2.8 %
108-88-3 Toluene 5 to 10 %

TSCA: The following are not listed under TSCA:

None

SARA: The following are reportable under SARA

108-88-3 Toluene 5 - 10%

Section 16 - Other Information

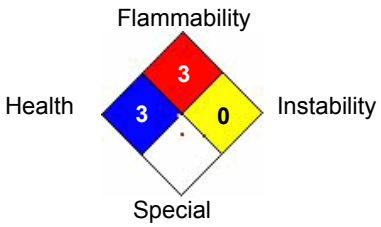
Note: HMIS Ratings involve data and interpretings that can vary from company to company. They are intended only for rapid, general identification of the magnitude of the specific hazard. To deal adequately with the safe handling of this material, all the information contained in this MSDS must be considered.

Hazardous Material Information System (HMIS)

HEALTH	3
FLAMMABILITY	3
PHYSICAL HAZARD	0
PERSONAL PROTECTION	

HMIS & NFPA Hazard Rating Legend
*** = Chronic Health Hazard**
0 = INSIGNIFICANT
1 = SLIGHT
2 = MODERATE
3 = HIGH

National Fire Protection Association (NFPA)



Date Prepared: 3/4/2015

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.