SAFETY DATA SHEET.

Issuing date 30-Apr-2015 Revision Date 10-Jun-2015 Version 1.04

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product identifier

Product name RUBBERIZED UNDERCOAT

Product number 4373

<u>Product Type</u> Extremely flammable aerosol

Synonyms None

Supplier's details

Recommended Use Undercoating. For Professional and Industrial Use Only.

Uses advised againstNot for sale to the general public.

Manufacturer/Supplier: Transtar Autobody Technologies

2040 Heiserman Drive Brighton, MI 48116 800-824-2843

Emergency telephone number

Chemical Emergency Phone CHEMTREC: +1-703-527-3887 (INTERNATIONAL)

Number 1-800-424-9300 (NORTH AMERICA)

4373 Revision Date 10-Jun-2015

2. HAZARDS IDENTIFICATION

Classification

Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 2A
Carcinogenicity	Category 1A
Reproductive Toxicity	Category 2
Specific target organ toxicity (single exposure)	Category 3
Specific target organ toxicity (repeated exposure)	Category 2
Aspiration toxicity	Category 1
Flammable aerosols	Category 1
Gases under pressure	Compressed Gas

GHS Label elements, including precautionary statements

Emergency Overview

DANGER

Hazard Statements

Causes skin irritation

Causes serious eye irritation

May cause cancer

Suspected of damaging fertility or the unborn child

May cause respiratory irritation. May cause drowsiness or dizziness

May cause damage to organs (Central Nervous System, Central Vascular System, Eyes, Kidney, Liver, Skin, and Respiratory System) through prolonged or repeated exposure.

May be fatal if swallowed and enters airways

Extremely flammable aerosol

Contains gas under pressure; may explode if heated



Appearance opaque Physical state Aerosol Odor Solvent

Precautionary Statements - Prevention

Obtain special instructions before use

Do not handle until all safety precautions have been read and understood

Wear protective gloves/protective clothing/eye protection/face protection

Wash face, hands and any exposed skin thoroughly after handling

Do not breathe dust/fume/gas/mist/vapors/spray

Use only outdoors or in a well-ventilated area

Keep away from heat/sparks/open flames/hot surfaces. — No smoking

Do not spray on an open flame or other ignition source

Pressurized container: Do not pierce or burn, even after use

Precautionary Statements - Response

If exposed or concerned: Get medical advice/attention

Specific treatment (see first aid on this label)

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention

IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention Take off contaminated clothing and wash before reuse

IF INHALED: Remove person to fresh air and keep comfortable for breathing.

Call a POISON CENTER or doctor/physician if you feel unwell

IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician

Do NOT induce vomiting

Precautionary Statements - Storage

Store locked up

Store in a well-ventilated place. Keep container tightly closed

Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

Hazards not otherwise classified (HNOC)

None

Other information

· Harmful to aquatic life with long lasting effects

0% of the mixture consists of ingredient(s) of unknown toxicity

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS-No	Weight %*
CALCIUM CARBONATE	1317-65-3	20-30
PETROLEUM BITUMEN	8052-42-4	10-20
PROPANE/ISOBUTANE/N-BUTANE	68476-86-8	10-20
TOLUENE	108-88-3	10-20
TALC	14807-96-6	10-20
Stoddard solvent	8052-41-3	1-10
METHYL ACETATE	79-20-9	1-10
SILICA, CRYSTALLINE	14808-60-7	0.1-1

^{*}The exact percentage (concentration) of composition has been withheld as a trade secret.

4. FIRST AID MEASURES

First aid measures for different exposure routes

Eye contact Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep

eye wide open while rinsing. If symptoms persist, call a physician.

Skin contact Wash off immediately with soap and plenty of water while removing all contaminated

clothes and shoes. If skin irritation persists, call a physician.

Inhalation Move to fresh air. If breathing is difficult, give oxygen. Artificial respiration and/or oxygen

may be necessary. If breathing has stopped, contact emergency medical services

immediately.

Ingestion Rinse mouth. Do NOT induce vomiting. Never give anything by mouth to an unconscious

person. Call a physician or Poison Control Center immediately.

Most important symptoms/effects, acute and delayed

Main Symptoms Causes skin and eye irritation. Irritating to respiratory system. May cause drowsiness or

dizziness. May damage to fertility or the unborn child. May cause cancer. Harmful or fatal if swallowed and enters airways. Causes damage to organs through prolonged or repeated

exposure.

Indication of immediate medical attention and special treatment needed, if necessary

Notes to physician Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Water fog.Dry chemical. Carbon dioxide (CO2). Cool containers/tanks with water spray.

Unsuitable Extinguishing Media Cool containers / tanks with water spray. Keep away from heat and sources of ignition.

Specific hazards arising from the chemical

Extremely flammable. Keep product and empty container away from heat and sources of ignition. Risk of ignition. In the event of fire and/or explosion do not breathe fumes. In the event of fire, cool tanks with water spray.

Explosion Data

Sensitivity to Mechanical Impact none. Sensitivity to Static Discharge none.

Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal precautions Avoid contact with eyes, skin, and clothing. Avoid breathing vapors or mists. . Use with

adequate ventilation. Keep container away from heat, flames, and all other sources of

ignition.

Environmental precautions

Environmental precautions Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in

low areas. Prevent further leakage or spillage if safe to do so. Do not allow material to contaminate ground water system. Prevent product from entering drains. Do not flush into

surface water or sanitary sewer system.

Methods and materials for containment and cleaning up

Methods for Containment Absorb or cover with dry earth, sand or other non-combustible material and transfer to

containers. Prevent further leakage or spillage if safe to do so.

Methods for cleaning up Pick up and transfer to properly labeled containers. Soak up with inert absorbent material.

Clean contaminated surface thoroughly. After cleaning, flush away traces with water.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on safe handling Avoid contact with skin, eyes and clothing. Handle in accordance with good industrial

hygiene and safety practice. Remove and wash contaminated clothing before re-use. Keep away from open flames, hot surfaces and sources of ignition. Take precautionary measures

against static discharges.

Conditions for safe storage, including any incompatibilities

Technical measures/Storage

conditions

Keep container tightly closed in a dry and well-ventilated place. Keep away from open flames, hot surfaces and sources of ignition. Keep in properly labeled containers. Keep out

of the reach of children. Store locked up.

Incompatible products

Strong acids, alkalis, or oxidizing agents.

Aerosol Level

2

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
CALCIUM CARBONATE 1317-65-3	-	TWA: 15 mg/m³ total dust TWA: 5 mg/m³ respirable fraction (vacated) TWA: 15 mg/m³ total dust (vacated) TWA: 5 mg/m³ respirable fraction	TWA: 10 mg/m³ total dust TWA: 5 mg/m³ respirable dust
PETROLEUM BITUMEN 8052-42-4	TWA: 0.5 mg/m³ benzene soluble aerosol fume, inhalable fraction	· -	Ceiling: 5 mg/m³ fume 15 min
PROPANE/ISOBUTANE/N-BUTANE 68476-86-8	74-98-6: TWA: 1000 ppm 106-97-8: STEL: 1000 ppm 75-28-5: STEL: 1000 ppm	74-98-6:TWA: 1000 ppm TWA: 1800 mg/m³ (vacated) TWA: 1000 ppm (vacated) TWA: 1800 mg/m³ 106-97-8: (vacated) TWA: 800 ppm (vacated) TWA: 1900 mg/m³	74-98-6:IDLH: 2100 ppm TWA: 1000 ppm TWA: 1800 mg/m³ 106-97-8:TWA: 800 ppm TWA: 1900 mg/m³ 75-28-5:TWA: 800 ppm TWA: 1900 mg/m³
TOLUENE 108-88-3	TWA: 20 ppm	TWA: 200 ppm (vacated) TWA: 100 ppm (vacated) TWA: 375 mg/m³ (vacated) STEL: 150 ppm (vacated) STEL: 560 mg/m³ Ceiling: 300 ppm	IDLH: 500 ppm TWA: 100 ppm TWA: 375 mg/m³ STEL: 150 ppm STEL: 560 mg/m³
TALC 14807-96-6	TWA: 2 mg/m³ particulate matter containing no asbestos and <1% crystalline silica, respirable fraction	(vacated) TWA: 2 mg/m³ respirable dust <1% Crystalline silica, containing no Asbestos TWA: 20 mppcf if 1% Quartz or more, use Quartz limit	IDLH: 1000 mg/m³ TWA: 2 mg/m³ containing no Asbestos and <1% Quartz respirable dust
Stoddard solvent 8052-41-3	TWA: 100 ppm	TWA: 500 ppm TWA: 2900 mg/m³ (vacated) TWA: 100 ppm (vacated) TWA: 525 mg/m³	IDLH: 20000 mg/m ³ Ceiling: 1800 mg/m ³ 15 min TWA: 350 mg/m ³
METHYL ACETATE 79-20-9	STEL: 250 ppm TWA: 200 ppm	TWA: 200 ppm TWA: 610 mg/m³ (vacated) TWA: 200 ppm (vacated) TWA: 610 mg/m³ (vacated) STEL: 250 ppm (vacated) STEL: 760 mg/m³	IDLH: 3100 ppm TWA: 200 ppm TWA: 610 mg/m³ STEL: 250 ppm STEL: 760 mg/m³
SILICA, CRYSTALLINE 14808-60-7	TWA: 0.025 mg/m ³ respirable fraction	(vacated) TWA: 0.1 mg/m³ respirable dust : (30)/(%SiO2 + 2) mg/m³ TWA total dust : (250)/(%SiO2 + 5) mppcf TWA respirable fraction : (10)/(%SiO2 + 2) mg/m³ TWA respirable fraction	IDLH: 50 mg/m³ respirable dust TWA: 0.05 mg/m³ respirable dust

ACGIH: (American Conference of Governmental Industrial Hygienists)

OSHA: (Occupational Safety & Health Administration) NIOSH IDLH: Immediately Dangerous to Life or Health

Solvent

Other Exposure Guidelines Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962

(11th Cir., 1992).

Exposure controls

Engineering Measures Showers

Eyewash stations Ventilation systems.

Individual protection measures, such as personal protective equipment

Eye/Face Protection Safety glasses with side-shields.

Skin and body protection Chemical resistant apron. Protective gloves.

respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be

Odor

Based on propellant

provided in accordance with current local regulations.

Hygiene measures Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical and chemical properties

Physical stateAerosolAppearanceopaque

Color black Odor Threshold No information available

<u>Property</u> <u>Values</u> <u>Remarks • Methods</u>

pH No information available
Melting/freezing point No information available
Boiling point/boiling range No information available
Flash Point -96.4 °C / -141 °F

Flash Point -96.4 °C / -141 °F Evaporation rate No information available

Flammability (solid, gas) No information available

Flammability Limits in Air

upper flammability limitNo information availablelower flammability limitNo information availableVapor pressureNo information availableVapor densityNo information available

Specific Gravity 1.190

Water solubility Practically insoluble
Partition coefficient: n-octanol/waterNo information available
Autoignition temperature No information available
Decomposition temperature No information available
Viscosity No information available
Explosive properties No information available

Other information

VOC Content(%) 38.52

10. STABILITY AND REACTIVITY

Reactivity

No data available

Chemical stability

Stable under recommended storage conditions.

Possibility of hazardous reactions

None under normal processing.

Conditions to Avoid

Extremes of temperature and direct sunlight.

Incompatible Materials

Strong acids, alkalis, or oxidizing agents.

Hazardous Decomposition Products

None known based on information supplied.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

Inhalation Vapors may irritate throat and respiratory system. May cause drownsiness and dizziness

based on components. May cause irritation of respiratory tract. Avoid breathing vapors or

mists

Eye contact Irritating to eyes. Avoid contact with eyes.

Skin contact Irritating to skin. Repeated exposure may cause skin dryness or cracking. Prolonged skin

contact may defat the skin and produce dermatitis. Avoid contact with skin.

Ingestion May be harmful or fatal if swallowed. Aspiration into the lungs during swallowing may

cause serious lung damage which may be fatal.

Component Information

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
PETROLEUM BITUMEN 8052-42-4	> 5000 mg/kg (Rat)	> 2000 mg/kg(Rabbit)	-
TOLUENE 108-88-3	= 2600 mg/kg (Rat)	= 12000 mg/kg (Rabbit)	= 12.5 mg/L (Rat) 4 h
METHYL ACETATE 79-20-9	> 5000 mg/kg (Rat)	> 5 g/kg(Rabbit)	= 16000 ppm (Rat) 4 h
SILICA, CRYSTALLINE 14808-60-7	= 500 mg/kg (Rat)	-	-

Information on toxicological effects

Symptoms Symptoms of overexposure may be headache, dizziness, tiredness, nausea, and vomiting.

Causes skin and eye irritation. May cause respiratory system irritation. Prolonged or repeated exposure may cause dermatitis. Not acutely toxic. Aspiration into the lungs during

swallowing may cause serious lung damage which may be fatal.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin corrosion/irritation Irritating to skin. Eye damage/irritation Irritating to eyes.

Irritation Irritating to eyes, respiratory system and skin.

Sensitization None known.

Germ Cell Mutagenicity None known.

Carcinogenicity The table below indicates whether each agency has evaluated a listed ingredient as a

carcinogen.

	caroniogoni			
Chemical Name	ACGIH	IARC	NTP	OSHA
PETROLEUM BITUMEN 8052-42-4	-	Group 2B	-	-
TOLUENE 108-88-3	-	Group 3	-	-

TALC 14807-96-6	-	Group 3	-	-
SILICA, CRYSTALLINE 14808-60-7	A2	Group 1	Known	Х

ACGIH: (American Conference of Governmental Industrial Hygienists)

A2 - Suspected Human Carcinogen

IARC: (International Agency for Research on Cancer)

Group 1 - Carcinogenic to Humans

Group 2B - Possibly Carcinogenic to Humans

Group 3 - Not Classifiable as to Carcinogenicity in Humans

NTP: (National Toxicity Program)

Known - Known Carcinogen

OSHA: (Occupational Safety & Health Administration)

X - Present

Reproductive toxicity
Specific target organ systemic

Product is or contains a chemical which is a known or suspected reproductive hazard.

toxicity (single exposure)
Specific target organ systemic

May cause respiratory irritation. May cause drowsiness and dizziness.

toxicity (repeated exposure)

May cause damage to organs through prolonged or repeated exposure.

Chronic toxicity May cause adverse liver effects.

Target Organ Effects Central nervous system, Central Vascular System (CVS), Eyes, Kidney, Liver, Respiratory

system, Skin.

Neurological effectsIntentional misuse by deliberately concentrating and inhaling contents may be harmful or

fatal.

Aspiration hazard May be fatal if swallowed and enters airways.

Numerical measures of toxicity - Product Information

Unknown Acute Toxicity 0% of the mixture consists of ingredient(s) of unknown toxicity

The following values are calculated based on chapter 3.1 of the GHS document .

ATEmix (oral) 21729 mg/kg
ATEmix (dermal) 13031 mg/kg
ATEmix (inhalation-dust/mist) 108.9 mg/l

12. ECOLOGICAL INFORMATION

Ecotoxicity

Chemical Name	Toxicity to algae	Toxicity to fish	Toxicity to microorganisms	Toxicity to daphnia and other aquatic invertebrates
PROPANE/ISOBUTANE/N- BUTANE 68476-86-8	-	-	-	-
TOLUENE 108-88-3	433 mg/L EC50 Pseudokirchneriella subcapitata 96h 12.5 mg/L EC50 Pseudokirchneriella subcapitata 72h static	11.0 - 15.0 mg/L LC50 Lepomis macrochirus 96h static 14.1 - 17.16 mg/L LC50 Oncorhynchus mykiss 96h static 15.22 - 19.05 mg/L LC50 Pimephales promelas 96h flow-through 5.89 - 7.81 mg/L LC50 Oncorhynchus mykiss 96h flow-through 50.87 - 70.34 mg/L LC50 Poecilia reticulata 96h static 12.6 mg/L LC50 Pimephales promelas 96h static 28.2 mg/L LC50 Poecilia reticulata 96h semi-static 5.8 mg/L LC50 Oncorhynchus mykiss 96h semi-static 5.4 mg/L LC50 Oryzias latipes 96h static		5.46 - 9.83 mg/L EC50 Daphnia magna 48h Static 11.5 mg/L EC50 Daphnia magna 48h
TALC 14807-96-6	-	100 g/L LC50 Brachydanio rerio 96h semi-static	-	-

METHYL ACETATE	120 mg/L EC50	250 - 350 mg/L LC50	-	1026.7 mg/L EC50 Daphnia
79-20-9	Desmodesmus subspicatus	Brachydanio rerio 96h static		magna 48h
	72h	295 - 348 mg/L LC50		_
		Pimephales promelas 96h		
		flow-through		

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Chemical Name	log Pow
PETROLEUM BITUMEN 8052-42-4	6
PROPANE/ISOBUTANE/N-BUTANE 68476-86-8	2.8
TOLUENE 108-88-3	2.65
METHYL ACETATE 79-20-9	0.18

Other adverse effects No information available

13. DISPOSAL CONSIDERATIONS

Waste treatment

Waste Disposal Methods This material, as supplied, is a hazardous waste according to federal regulations (40 CFR

261).

Contaminated packaging Do not re-use empty containers.

14. TRANSPORT INFORMATION

DOT GroundCONSUMER COMMODITY ORM-D LIMITED QUANTITY

IATA UN1950, AEROSOLS, FLAMMABLE, 2.1, LTD. QTY.

IMDG UN1950, AEROSOLS, FLAMMABLE, 2.1, LTD. QTY.

15. REGULATORY INFORMATION

International Inventories

Chemical Name	TSCA	DSL/NDSL	EINECS/ELI NCS	ENCS	IECSC	KECL	PICCS	AICS
CALCIUM CARBONATE	Х	Х	Х	Х	Х	Х	Х	Х
PETROLEUM BITUMEN	Х	Х	Х	Х	Х	Х	Х	Х
PROPANE/ISOBUTA NE/N-BUTANE	Х	Х	X	Not listed	Х	Х	Х	Х
TOLUENE	Х	Х	Х	Х	Х	Х	Х	Х

TALC	Х	Х	Х	Х	Х	Х	Х	Х
Stoddard solvent	Х	Х	Х	Х	Х	Х	Х	Х
METHYL ACETATE	Х	Х	Х	Х	Х	Х	Х	Х
SILICA, CRYSTALLINE	Х	Х	Х	Х	Х	Х	Х	Х

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances

ENCS - Japan Existing and New Chemical Substances

CHINA - China Inventory of Existing Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

AICS - Australian Inventory of Chemical Substances

U.S. Federal Regulations

SARA 313

Section 313 of Title III 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:

Chemical Name	CAS-No	Weight %*	SARA 313 - Threshold Values %
TOLUENE - 108-88-3	108-88-3	10-20	1.0

SARA 311/312 Hazard Categories

Acute Health Hazard	Yes
Chronic Health Hazard	Yes
Fire Hazard	Yes
Sudden Release of Pressure Hazard	Yes
Reactive Hazard	no

Clean Water Act

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42):

	Chemical Name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Γ	TOLUENE	1000 lb	X	X	X
	108-88-3				

CERCLA

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302):

Chemical Name	Hazardous Substances RQs	Extremely Hazardous Substances RQs	RQ
TOLUENE	1000 lb 1 lb		RQ 1000 lb final RQ
108-88-3			RQ 454 kg final RQ RQ 1 lb final
			RQ
			RQ 0.454 kg final RQ

U.S. State Regulations

California Proposition 65

This product contains the following Proposition 65 chemicals:

Chemical Name	hemical Name California Prop. 65	
TOLUENE - 108-88-3	Developmental	
	Female Reproductive	
METHANOL - 67-56-1	Carcinogen	
SILICA, CRYSTALLINE - 14808-60-7	SILICA, CRYSTALLINE - 14808-60-7 Carcinogen	

U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania
CALCIUM CARBONATE 1317-65-3	X	X	X
PETROLEUM BITUMEN 8052-42-4	X	X	X
TOLUENE 108-88-3	X	X	X
TALC 14807-96-6	X	X	X
Stoddard solvent 8052-41-3	X	X	X
METHYL ACETATE 79-20-9	X	X	X
SILICA, CRYSTALLINE 14808-60-7	X	X	Х

EPA Pesticide Registration Number Not applicable

Canada

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

16. OTHER INFORMATION

NFPA Health Hazard 2 Flammability 4 Instability 0 Physical and chemical hazards
HMIS Health Hazard 2* Flammability 4 Physical Hazard 1 Personal protection B

Chronic Hazard Star Legend Chronic Health Hazard Repeated or prolonged exposure may cause central nervous system damage

Prepared By Transtar Autobody Technologies

Issuing date30-Apr-2015Revision Date10-Jun-2015Revision Note

No information available

Disclaimer

The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

End of Safety Data Sheet