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Revision Number: 2

1. PRODUCT AND COMPANY IDENTIFICATION

Product identifier

Product Code UCP99, UCP970, UCP934, UCP98
Product Name CHASSIS SAVER™ RUST PREVENTIVE PAINT (Gloss Black, Antique-Satin Black, Silver Aluminum, Floor & Machine Gray)

Other means of identification

Common Name CHASSIS SAVER™

Recommended use of the chemical and restrictions on use

Recommended Use Rust encapsulation and prevention
Uses advised against Consumer use, For professional use only. Not for residential use.

Details of the supplier of the safety data sheet

Manufacturer Address
 Magnet Paint & Shellac Co., Inc.
 310 County Rd 1246, Cullman, AL 35057

Distributor
 Magnet Paint & Shellac Co., Inc.
 310 County Rd 1246, Cullman, AL 35057

Emergency telephone number

Company Phone Number Magnet Paint Regulatory Dept: 631-842-7700
24 Hour Emergency Phone Number 800-535-5053 (Infotrac)

2. HAZARDS IDENTIFICATION

Classification

OSHA Regulatory Status

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 2
Respiratory sensitization	Category 1
Skin sensitization	Category 1
Germ cell mutagenicity	Category 1B
Carcinogenicity	Category 1B
Specific target organ toxicity (single exposure)	Category 3
Specific target organ toxicity (repeated exposure)	Category 1
Flammable Liquids	Category 3

GHS Label elements, including precautionary statements

Signal Word: Danger

Hazard statements

- Flammable liquid and vapor
- Causes skin irritation
- Causes serious eye irritation
- May cause allergy or asthma symptoms or breathing difficulties if inhaled
- May cause an allergic skin reaction
- May cause genetic defects
- May cause cancer
- May cause respiratory irritation
- May cause damage to organs through prolonged or repeated exposure (inhalation)



Appearance opaque



Physical state liquid

Odor aromatic

Precautionary Statements**Prevention**

Obtain special instructions before use
 Do not handle until all safety precautions have been read and understood
 Use personal protective equipment as required
 Wash face, hands and any exposed skin thoroughly after handling
 In case of inadequate ventilation wear respiratory protection
 Contaminated work clothing should not be allowed out of the workplace
 Wear protective gloves
 Use only outdoors or in a well-ventilated area
 Do not breathe dust/fume/gas/mist/vapors/spray
 Do not eat, drink or smoke when using this product
 Keep away from heat/sparks/open flames/hot surfaces. — No smoking
 Keep container tightly closed
 Ground/bond container and receiving equipment
 Use explosion-proof electrical/ventilating/lighting/mixing/equipment
 Use only non-sparking tools
 Take precautionary measures against static discharge
 Keep cool

Response

IF exposed or concerned: Get medical advice/attention
 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 skin irritation or rash occurs: Get medical advice/attention
 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
 Wash contaminated clothing before reuse
 If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician
 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
 In case of fire: Use CO₂, dry chemical, or foam for extinction

Storage

Store locked up
 Store in a well-ventilated place. Keep container tightly closed
 Keep away from children

Disposal

Dispose of contents/container to an approved waste disposal plant

Hazards not otherwise classified (HNOC)**Other information**

Toxic to aquatic life with long lasting effects
 SEE SAFETY DATA SHEET

3. COMPOSITION/INFORMATION ON INGREDIENTS
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Component	CAS-No	* Weight-%	** Product Code
Diphenylmethane Diisocyanate (MDI) Polymer	N/A	35 – 75	99 / 970 / 934 / 98
Diphenylmethane-2,2-Diisocyanate Monomer	26447-40-5	< 1.0	99 / 970 / 934 / 98
Diphenylmethane Diisocyanate Monomer (MDI)	101-68-8	5 - 25	99 / 970 / 934 / 98
Aromatic Hydrocarbon Mixture	64742-95-6	10 - 30	99 / 970 / 934 / 98
P-Chlorobenzotrifluoride	98-56-6	5 - 20	98
Aluminum Flake	7429-90-5	10 - 30	934
Carbon Black	1333-86-4	1 - 10	99 / 970 / 98
Titanium Dioxide	13463-677	10 - 25	98
1,2,4-Trimethylbenzene	95-63-6	< 1.0	99 / 970 / 934 / 98

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

** Indicates product(s) containing each ingredient within the Weight-% column.

4. FIRST AID MEASURES

Description of first aid measures

General advice	Show this safety data sheet to the doctor in attendance.
Eye contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Call a physician immediately.
Skin contact	Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Call a physician immediately.
Inhalation	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.
Ingestion	If swallowed, do not induce vomiting. Get medical attention immediately.
Self-protection of the first aider	Avoid breathing vapors or mists.
<u>Most important symptoms and effects, both acute and delayed</u>	
Notes to physician	Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media

Carbon dioxide. Foam. Dry chemical.

Unsuitable extinguishing media Do not use a solid water stream as it may scatter and spread fire.

Specific hazards arising from the chemical

Thermal decomposition can lead to release of irritating gases and vapours In the event of fire and/or explosion do not breathe fumes.

Hazardous combustion products Hazardous combustion products may include: A complex mixture of airborne solid and liquid particulates and gases (smoke). Carbon monoxide. Unidentified organic and inorganic compounds. Carbon oxides. Hydrocarbons. Oxides of nitrogen. Hydrogen cyanide. Oxides of Aluminum.

Protective equipment and precautions for firefighters

Use water spray to cool unopened containers. In the event of fire, wear self-contained breathing apparatus. Keep away from heat/sparks/open flames/hot surfaces. MAY CAUSE HEAT AND PRESSURE BUILD-UP IN CLOSED CONTAINERS. Solvent vapors are heavier than air and may spread along floors. Flash back possible over considerable distance.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal precautions Avoid contact with eyes, skin and clothing. Use personal protective equipment. Remove all sources of ignition. Ensure adequate ventilation.

Environmental Precautions

Environmental precautions Prevent further leakage or spillage if safe to do so. Do not flush into surface water or sanitary sewer system.

Methods and material for containment and cleaning up

Methods for containment Remove all sources of ignition. Spills may be collected with inert, absorbent material for proper disposal. Use non-sparking tools, protective gloves, goggles and clothing, adequate ventilation, avoid the breathing of vapors and use respiratory protective devices. Transfer absorbent material to suitable containers for proper disposal.

Methods for cleaning up If spilled, contain spilled material and remove with inert absorbent. Dispose of contaminated absorbent, container and unused contents in accordance with local, state and federal regulations.

7. HANDLING AND STORAGE

Precautions for safe handling

Handling

Close container after each use. Avoid contact with eyes, skin and clothing. Do not eat, drink or smoke when using this product. If splashes are likely to occur, wear goggles. Wear protective gloves/clothing. Do not burn, or use a cutting torch on, the empty drum. When used in a mixture, read the labels and safety data sheets of all components. Wash thoroughly after handling.

Conditions for safe storage, including any incompatibilities

Storage

Keep container tightly closed in a dry and well-ventilated place. Keep out of the reach of children.

Incompatible products

Strong oxidizing agents. water, alcohols, amines, strong bases, metal components, surface active materials. Acids. Alkaline.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameters

Exposure guidelines

Component	ACGIH TLV	OSHA PEL	NIOSH IDLH
ALUMINUM FLAKE 7429-90-5	TWA: 1 mg/m ³	TWA: 15 mg/m ³ TWA: 5 mg/m ³	
DIPHENYLMETHANE DIISOCYANATE (MDI) 101-68-8	TWA: 0.005 ppm	Ceiling: 0.02 ppm Ceiling: 0.2 mg/m ³	75 mg/m ³
DIPHENYLMETHANE-2,2-DIISOCYANATE MONOMER 26447-40-5		Ceiling: 0.02 ppm Ceiling: 0.2 mg/m ³	
TITANIUM DIOXIDE (TOTAL DUST) 13463-67-7	TWA: 10 mg/m ³	TWA: 10 mg/m ³ TWA: 15 mg/m ³	5000 mg/m ³
CARBON BLACK 133-86-4	TWA: 3.5 mg/m ³	TWA: 3.5 mg/m ³	
P-CHLOROBENZOTRIFLUORIDE 98-56-6	TWA: 2.5 mg/m ³	-	

NIOSH IDLH: *Immediately Dangerous to Life or Health*

Appropriate engineering controls

Engineering measures

Sufficient ventilation, in volume and pattern, should be provided through both local and general exhaust to keep the air contaminant concentration below current applicable OSHA Permissible Exposure Limits (PEL) and ACGIH's Threshold Limit Values (TLV). Appropriate ventilation should be employed to remove hazardous decomposition products formed during welding or flame cutting operations of surfaces coated with this product.

Individual protection measures, such as personal protective equipment

Eye/face protection

Use chemical resistant splash type goggles. If splashes are likely to occur, wear face-shield.

Skin and body protection

Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact.

Respiratory protection

INDIVIDUALS WITH LUNG OR BREATHING PROBLEMS OR PRIOR REACTION TO ISOCYANATES MUST NOT BE EXPOSED TO VAPOR OR SPRAY MIST. Do not breathe vapor or spray mist. Wear an appropriate, properly fitted respirator (NIOSH/MSHA approved) during and after application unless air monitoring demonstrates vapor/mist levels are below applicable limits. An airline respirator (TC 19C NIOSH/MSHA) is recommended. A vapor-particulate respirator (TC 23C NIOSH/MSHA) may be appropriate where air monitoring demonstrates vapors are less than ten times the applicable exposure limits and the isocyanate concentration is less than its applicable exposure limit. The use of an air-supplied respirator is mandatory whenever the airborne concentration of isocyanate monomer is unknown.

General hygiene considerations

Handle in accordance with good industrial hygiene and safety practice. Avoid breathing dust created by cutting, sanding, or grinding.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical state	liquid	Odor	Slight
Appearance	opaque	Odor threshold	No information available
Color	No information available		

<u>Property</u>	<u>Values</u>	<u>Remarks</u>
PH		No data available
Melting point / freezing point		No data available
Boiling point / boiling range	154 °C / 310 °F	
Flash point	42 °C / 108 °F	Pensky Martens - Closed Cup
Evaporation rate		No data available
Flammability (solid, gas)		No information available
Flammability Limit in Air		No data available
Upper flammability limit	N/A	
Lower flammability limit	1.0	
Vapor pressure		No data available
Vapor density		No data available
Specific gravity *	1.07 – 1.25	g/cm3
Water solubility	Insoluble in water	
Solubility in other solvents		No data available
Partition coefficient: n-octanol/water		No data available
Autoignition temperature		No data available
Decomposition temperature		No data available
Kinematic viscosity		No data available
Dynamic viscosity	500 – 800 centipoise	approx

Other Information

Density *	8.90 - 10.44 lbs/gal
Volatile organic compounds content (VOC) *	2.06 - 2.15 lbs/gal
Total volatiles weight percent *	24.83 – 33.31
Total volatiles volume percent *	30.32 – 41.75

* Covers the range of products represented on this SDS

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

Heat, flames and sparks. Amines. Contact with water liberates highly flammable gases.

Incompatible materials

Strong oxidizing agents, Water, alcohols, amines, strong bases, metal components, surface active materials, Acids, Alkaline

Hazardous decomposition products

Hazardous combustion products may include: A complex mixture of airborne solid and liquid particulates and gases (smoke). Carbon monoxide. Unidentified organic and inorganic compounds. Carbon oxides. Hydrocarbons. Oxides of nitrogen. Hydrogen cyanide. Oxides of Aluminum.

11. TOXICOLOGICAL INFORMATION

Information on Likely Routes of Exposure

Inhalation	May cause central nervous system depression with nausea, headache, dizziness, vomiting, and incoordination. Contains isocyanate monomer. If subject to spray application, engineering and administrative controls must be instituted to maintain an exposure level below .005ppm. If these controls are not adequate, the use of an air-supplied respirator is mandatory. May cause sensitization by inhalation. Aspiration into lungs can produce severe lung damage.
Eye contact	Causes serious eye damage.
Skin contact	Irritating to skin. May cause sensitization by skin contact.
Ingestion	May be harmful if swallowed and enters airways. Potential for aspiration if swallowed.

Component	LD50 Oral	LD50 Dermal	LC50 Inhalation
DIPHENYLMETHANE DIISOCYANATE (MDI) POLYMER 64742-95-6			490 mg/m3, 4h (rat)
AROMATIC HYDROCARBON MIXTURE 64742-95-6	= 8400 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	= 3400 ppm (Rat) 4 h
DIPHENYLMETHANE DIISOCYANATE (MDI) 101-68-8	= 31600 mg/kg (Rat)	= 9200 mg/kg (Rat)	= 369 mg/m3 (Rat) 4 h
POLYMERIC MDI 9016-87-9	= 49 g/kg (Rat)	> 9400 mg/kg (Rabbit)	= 490 mg/m3 (Rat) 4 h
DIPHENYLMETHANE-2,2-DIISOCYANATE MONOMER 26447-40-5	> 7400 mg/kg (Rat)	> 6200 mg/kg (Rabbit)	= 0.369 mg/L (Rat) 4 h
TITANIUM DIOXIDE (TOTAL DUST) 13463-67-7	> 10000 mg/kg (Rat)		
P-CHLOROBENZOTRIFLUORIDE 98-56-6	= 13 g/kg (Rat)	> 2 mL/kg (Rabbit)	= 33 mg/L (Rat) 4 h
CARBON BLACK 133-86-4	> 15400 mg/kg (Rat)	> 3000 mg/kg (Rabbit)	
1,2,4-TRIMETHYLBENZENE 95-63-6	= 3280 mg/kg (Rat)	> 3160 mg/kg (Rabbit)	= 18 g/m3 (Rat) 4 h

Information on toxicological effects

Symptoms Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting. Skin disorders. Respiratory disorders. Irritating to eyes and skin.

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

Chronic Toxicity NOTICE: Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal. Contains isocyanate monomer. If subject to spray application, engineering and administrative controls must be instituted to maintain an exposure level below .005ppm. If these controls are not adequate, the use of an air-supplied respirator is mandatory. Substances known to be mutagenic to man. May cause cancer. May cause sensitization by inhalation and skin contact.

Sensitization May cause sensitization of susceptible persons.

Mutagenicity May cause genetic defects.

Carcinogenicity The table below indicates whether each agency has listed any ingredient as a carcinogen.

Component	ACGIH	IARC	NTP	OSHA
DIPHENYLMETHANE DIISOCYANATE (MDI) 101-68-8		Group 3		
POLYMERIC MDI 9016-87-9		Group 3		
DIPHENYLMETHANE-2,2-DIISOCYANATE MONOMER 26447-40-5		Group 3		
CARBON BLACK 133-86-4		Group 2B		X
TITANIUM DIOXIDE (TOTAL DUST) 13463-67-7		Group 2B		X

Reproductive effects	No information available.
STOT - single exposure	Eyes, Skin, Central Nervous System (CNS), Respiratory system
STOT - repeated exposure	Causes damage to organs through prolonged or repeated exposure
Target organ effects	Blood, Central nervous system, Eyes, kidney, respiratory system, Skin.
Aspiration hazard	Risk of serious damage to the lungs (by aspiration).

12. ECOLOGICAL INFORMATION

Ecotoxicity

Toxic to aquatic life with long lasting effects

78.80 % of the mixture consists of components(s) of unknown hazards to the aquatic environment

Component	Toxicity to algae	Toxicity to fish	Toxicity to daphnia
AROMATIC HYDROCARBON MIXTURE 64742-95-6		9.22: 96 h Oncorhynchus mykiss mg/L LC50	6.14: 48 h Daphnia magna mg/L EC50
DIPHENYLMETHANE-2,2-DIISOCYANATE MONOMER 26447-40-5	3230: 96 h Skeletonema costatum mg/L EC50		1000: 24 h Daphnia magna mg/L EC50
P-CHLOROBENZOTRIFLUORIDE 98-56-6		11.5 - 15.8: 48 h Lepomis macrochirus mg/L LC50 static	3.68: 48 h Daphnia magna mg/L EC50
1,2,4-TRIMETHYLBENZENE 95-63-6		7.19 - 8.28: 96 h Pimephales promelas mg/L LC50 flow-through	6.14: 48 h Daphnia magna mg/L EC50

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in Environmental Media

Component	log Pow
DIPHENYLMETHANE-2,2-DIISOCYANATE MONOMER 26447-40-5	4.5
P-CHLOROBENZOTRIFLUORIDE 98-56-6	3.7
1,2,4-TRIMETHYLBENZENE 95-63-6	3.63

Other Adverse Effects

No information available

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Disposal Methods

Keep container tightly closed. If spilled, contain spilled material and remove with inert absorbent. Dispose of contaminated absorbent, container and unused contents in accordance with local, state and federal regulations.

Contaminated packaging

Empty containers should be taken to an approved waste handling site for recycling or disposal.

California Hazardous Waste Status

This product contains one or more substances that are listed with the State of California as a hazardous waste

Component	CAWAST
ALUMINUM FLAKE 7429-90-5	Ignitable dust

14. TRANSPORT INFORMATION

DOT

UN/ID no.	1263
Proper Shipping Name	Paint
Hazard Class	3
Packing Group	III
ERG Code	128

IATA

UN/ID no.	1263
Proper Shipping Name	Paint
Hazard Class	3
Packing Group	III
ERG Code	366

Additional information

Call Magnet Paint Traffic Department - 631-842-7700 for additional information or other modes of Transportation.

15. REGULATORY INFORMATION

International Inventories

TSCA	Complies
DSL/NDSL	Does not comply
EINECS/ELINCS	Does not comply
ENCS	Does not comply
IECSC	Complies
KECL	Complies
PICCS	Does not comply
AICS	Complies

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

IECSC - 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

The following chemical(s) are listed as HAP under the U.S. Clean Air Act, Section 12 (40 CFR 61):

Component	HAPS Data
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DIPHENYLMETHANE DIISOCYANATE (MDI)

United States of America**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 40n of the Code of Federal Regulations, Part 372:

Component	SARA 313 - Threshold Values
ALUMINUM FLAKE - 7429-90-5	1.0
DIPHENYLMETHANE DIISOCYANATE (MDI) - 101-68-8	1.0
POLYMERIC MDI - 9016-87-9	1.0
DIPHENYLMETHANE-2,2-DIISOCYANATE MONOMER - 26447-40-5	1.0
1,2,4-TRIMETHYLBENZENE - 95-63-6	1.0

SARA 311/312 Hazardous**Categorization**

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

CERCLA

Component	Hazardous Substances RQs	CERCLA EHS RQs	RQ
DIPHENYLMETHANE DIISOCYANATE (MDI) 101-68-8	5000 lb		RQ 5000 lb final RQ RQ 2270 kg final RQ

United States of America**California Prop. 65**

This product may contain small amounts of materials known in the state of California to cause cancer

Component	California Prop. 65
TITANIUM DIOXIDE (TOTAL DUST) 13463-67-7	Carcinogen

California SCAQMD Rule 443

Contains Photochemically Reactive Solvent

State Right-to-Know

Component	New Jersey	Massachusetts	Pennsylvania
ALUMINUM FLAKE 7429-90-5	X	X	X
DIPHENYLMETHANE DIISOCYANATE (MDI) 101-68-8	X	X	X
POLYMERIC MDI 9016-87-9	X		
DIPHENYLMETHANE-2,2- DIISOCYANATE MONOMER 26447-40-5	X	X	
TITANIUM DIOXIDE (TOTAL DUST) 13463-67-7	X	X	X
P-CHLOROBENZOTRIFLUORIDE 98-56-6	X		X
CARBON BLACK 133-86-4	X	X	X
1,2,4-TRIMETHYLBENZENE 95-63-6	X	X	X

16. OTHER INFORMATION

NFPA Health 3 Flammability 2 Instability 1 (UCP934 = 2) Physical hazard *
HMIS (Hazardous Material Information System) Health 3* Flammability 2 Reactivity 1 (UCP934 = 2)

Prepared By Magnet Paint Regulatory Dept: 631-842-7700
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 Revision Summary
 070116

Disclaimer

For specific information regarding occupational safety and health standards, please refer to the Code of Federal Regulations, Title 29, Part 1910.

To the best of our knowledge, the information contained herein is accurate. However, neither Magnet Paint & Shellac Co., Inc. or any of its subsidiaries assume any liability whatsoever for the accuracy of completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown health hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards which exist.

END OF SDS