# **SAFETY DATA SHEET**



## 1. Identification

Product identifier Bright White Basecoat

Other means of identification

Product code MRT-98LV
Recommended use Paint

**Recommended restrictions** No other uses are advised. **Manufacturer/Importer/Supplier/Distributor information** 

Manufacturer

Company nameMedallion Refinish SystemAddress5751 N. Webster StreetDavton, OH 45414

United States

Telephone TECH SUPPORT

SALES 937-890-6547 PHONE 800-257-6547

Websitewww.medallionrefinish.comE-mailinfo@rubber-seal.net

Emergency phone number MAIN OFFICE: M-F

7:45am-4:30pm

EMERGENCY 24 Hrs. 800-424-9300 ChemTrec

937-890-6547

800-257-6547

# 2. Hazard(s) identification

Physical hazardsFlammable liquidsCategory 2Health hazardsAcute toxicity, inhalationCategory 4Serious eye damage/eye irritationCategory 2AGerm cell mutagenicityCategory 1BCarcinogenicityCategory 1BEnvironmental hazardsHazardous to the aquatic environment, acuteCategory 3

hazard

Hazardous to the aquatic environment,

long-term hazard

OSHA defined hazards Not classified.

Label elements



Signal word Danger

Hazard statement Highly flammable liquid and vapor. Causes serious eye irritation. Harmful if inhaled. May cause

genetic defects. May cause cancer. Harmful to aquatic life with long lasting effects.

Precautionary statement Prevention

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. 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 equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Avoid breathing vapors. Wash thoroughly after handling. Use only outdoors or in a well-ventilated area. Avoid release to the environment. Wear protective gloves/protective clothing/eye protection/face protection.

Category 3

Material name: Bright White Basecoat SDS US

#### Response

If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. If inhaled: Remove person to fresh air and keep comfortable for breathing. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If exposed or concerned: Get medical advice/attention. Call a poison center/doctor if you feel unwell. If eye irritation persists: Get medical advice/attention. In case of fire: Use appropriate media to extinguish.

**Storage** 

Store in a well-ventilated place. Keep cool. Store locked up.

Disposal

Dispose of contents/container in accordance with local/regional/national/international regulations.

Hazard(s) not otherwise classified (HNOC)

Static accumulating flammable liquid can become electrostatically charged even in bonded and grounded equipment. Sparks may ignite liquid and vapor. May cause flash fire or explosion.

Supplemental information

66.96% of the mixture consists of component(s) of unknown acute oral toxicity. 78.58% of the mixture consists of component(s) of unknown acute dermal toxicity. % of the mixture consists of component(s) of unknown acute inhalation toxicity. 71.37% of the mixture consists of component(s) of unknown acute hazards to the aquatic environment. 71.37% of the mixture consists of component(s) of unknown long-term hazards to the aquatic environment.

# 3. Composition/information on ingredients

#### **Mixtures**

Chemical name	Common name and synonyms	CAS number	%
Titanium Dioxide		13463-67-7	40 - < 50
parachlorobenzotriflouride		98-56-6	10 - < 20
Acetone		67-64-1	5 - < 10
Glycol Ether PM Acetate		108-65-6	5 - < 10
Methyl n-Amyl Ketone		110-43-0	5 - < 10
N-Butyl Acetate		123-86-4	5 - < 10
Aluminum Hydroxide		21645-51-2	3 - < 5
Petroleum Distillates, Hydrotreate Light	d	64742-47-8	1 - < 3
Silica, amorphous, precipitated ar gel	d	112926-00-8	< 1

<sup>\*</sup>Designates that a specific chemical identity and/or percentage of composition has been withheld as a trade secret.

#### 4. First-aid measures

Inhalation

Remove victim to fresh air and keep at rest in a position comfortable for breathing. Oxygen or artificial respiration if needed. Call a POISON CENTER or doctor/physician if you feel unwell.

Skin contact

Take off immediately all contaminated clothing. Rinse skin with water/shower. Get medical attention if irritation develops and persists.

Eye contact

Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.

Ingestion

delayed

Rinse mouth. Get medical attention if symptoms occur.

Most important symptoms/effects, acute and

Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision.

Indication of immediate medical attention and special treatment needed

Provide general supportive measures and treat symptomatically. Thermal burns: Flush with water immediately. While flushing, remove clothes which do not adhere to affected area. Call an ambulance. Continue flushing during transport to hospital. Keep victim warm. Keep victim under observation. Symptoms may be delayed.

**General information** 

Take off all contaminated clothing immediately. IF exposed or concerned: Get medical advice/attention. If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance. Wash contaminated clothing before reuse.

## 5. Fire-fighting measures

Suitable extinguishing media

Water fog. Foam. Carbon dioxide (CO2). Dry chemical powder, carbon dioxide, sand or earth may be used for small fires only.

Unsuitable extinguishing media

Do not use water jet as an extinguisher, as this will spread the fire.

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# Specific hazards arising from the chemical

Vapors may form explosive mixtures with air. Vapors may travel considerable distance to a source of ignition and flash back. This product is a poor conductor of electricity and can become electrostatically charged. If sufficient charge is accumulated, ignition of flammable mixtures can occur. To reduce potential for static discharge, use proper bonding and grounding procedures. This liquid may accumulate static electricity when filling properly grounded containers. Static electricity accumulation may be significantly increased by the presence of small quantities of water or other contaminants. Material will float and may ignite on surface of water. During fire, gases hazardous to health may be formed.

# Special protective equipment and precautions for firefighters

Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

Fire fighting equipment/instructions

In case of fire and/or explosion do not breathe fumes. Move containers from fire area if you can do so without risk.

Specific methods
General fire hazards

Use standard firefighting procedures and consider the hazards of other involved materials.

Highly flammable liquid and vapor.

# 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Wear appropriate protective equipment and clothing during clean-up. Avoid inhalation of vapors and spray mists. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Use appropriate containment to avoid environmental contamination. Transfer by mechanical means such as vacuum truck to a salvage tank or other suitable container for recovery or safe disposal. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

# Methods and materials for containment and cleaning up

Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil, etc.) away from spilled material. Take precautionary measures against static discharge. Use only non-sparking tools. Prevent product from entering drains.

Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Following product recovery, flush area with water.

Small Spills: Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Never return spills to original containers for re-use. Put material in suitable, covered, labeled containers. For waste disposal, see section 13 of the SDS.

#### **Environmental precautions**

Avoid release to the environment. Inform appropriate managerial or supervisory personnel of all environmental releases. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground. Use appropriate containment to avoid environmental contamination.

## 7. Handling and storage

# Precautions for safe handling

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not handle, store or open near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight. When using do not smoke. Explosion-proof general and local exhaust ventilation. Minimize fire risks from flammable and combustible materials (including combustible dust and static accumulating liquids) or dangerous reactions with incompatible materials. Handling operations that can promote accumulation of static charges include but are not limited to: mixing, filtering, pumping at high flow rates, splash filling, creating mists or sprays, tank and container filling, tank cleaning, sampling, gauging, switch loading, vacuum truck operations. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Use non-sparking tools and explosion-proof equipment. Avoid inhalation of vapors and spray mists. Avoid contact with eyes. Avoid prolonged exposure. Should be handled in closed systems, if possible. Use only outdoors or in a well-ventilated area. Wear appropriate personal protective equipment. Avoid release to the environment. Observe good industrial hygiene practices.

For additional information on equipment bonding and grounding, refer to the Canadian Electrical Code in Canada, (CSA C22.1), or the American Petroleum Institute (API) Recommended Practice 2003, "Protection Against Ignitions Arising out of Static, Lightning, and Stray Currents" or National Fire Protection Association (NFPA) 77, "Recommended Practice on Static Electricity" or National Fire Protection Association (NFPA) 70, "National Electrical Code".

# Conditions for safe storage, including any incompatibilities

Store locked up. Keep away from heat, sparks and open flame. Prevent electrostatic charge build-up by using common bonding and grounding techniques. Eliminate sources of ignition. Avoid spark promoters. Ground/bond container and equipment. These alone may be insufficient to remove static electricity. Store in a cool, dry place out of direct sunlight. Store in original tightly closed container. Store in a well-ventilated place. Keep in an area equipped with sprinklers. Store away from incompatible materials (see Section 10 of the SDS).

# 8. Exposure controls/personal protection

#### Occupational exposure limits

The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit. At this time, the other constituents have no known exposure limits.

Methyl n-Amyl Ketone (CAS   PEL   1000 ppm   465 mg/m3   110-43-0)   100 ppm   100 p	JS. OSHA Table Z-1 Limits for Air ( Components	Type	Value	Form
Methyl n-Amyl Ketone (CAS   PEL   465 mg/m3	Acetone (CAS 67-64-1)	PEL	2400 mg/m3	
Methyl n-Amyl Ketone (CAS   PEL   465 mg/m3				
110-43-0   100 ppm	Methyl n-Amyl Ketone (CAS	PEL	• • • • • • • • • • • • • • • • • • • •	
N-Butyl Acetate (CAS   PEL   710 mg/m3   150 ppm   Petroleum Distillates,	110-43-0)		-	
123-86-4    Petroleum Distillates,   PEL   400 mg/m3     Petroleum Distillates,   PEL   15 mg/m3   Total dust.     13463-67-7)   15 mg/m3   Total dust.				
Petroleum Distillates,		PEL	710 mg/m3	
Petroleum Distillates,   PEL   400 mg/m3	123-86-4)		450	
Hydrotreated Light (CAS 64742-47-8)  100 ppm  Tittanium Dioxide (CAS 13463-67-7)  US. OSHA Table Z-3 (29 CFR 1910.1000)  Components  Type  Value  Form  Aluminum Hydroxide (CAS TWA 5 mg/m3 Total dust. 15 mg/m3 Total dust. 15 mg/m3 Total dust. 15 mpcrf Respirable fractic 15 mpcrf Res	Detrolosses Dietilleter	DEI		
100 ppm		PEL	400 mg/m3	
100 ppm   15 mg/m3   Total dust.   13463-67-7     15 mg/m3   Total dust.   13463-67-7     15 mg/m3   Total dust.   15 mg/m3   Total dust.   15 mg/m3   Respirable fractic   15 mg/m3   Total dust.   15 mg/m3   Total dust.   15 mg/m3   Total dust.   15 mg/m3   Total dust.   15 mg/m3   Respirable fractic   15 mg/m3   Total dust.   15 mg/m3   Respirable fractic   15 mg/m3   Total dust.   15 mg/m3   Respirable fractic   15 mg/m3   Total dust.   15 mg/m3   Respirable fractic   10 mg/m3   10 mg/m				
Titanium Dioxide (CAS   PEL   15 mg/m3   Total dust.	o		maa 001	
13463-67-7    Value   Form	Titanium Dioxide (CAS	PEL		Total dust.
Components         Type         Value         Form           Aluminum Hydroxide (CAS 21645-51-2)         TWA         5 mg/m3         Respirable fraction           21645-51-2)         15 mg/m3         Total dust.         50 mppcf         Total dust.           15 mppcf         Respirable fraction         Respirable fraction         15 mg/m3         Respirable fraction           13463-67-7)         15 mg/m3         Total dust.         50 mppcf         Total dust.         50 mppcf         Total dust.         70 mppcf         Respirable fraction         15 mppcf         Respirable fraction         Respirable fraction         15 mppcf				
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15 mg/m3	Components	Туре	Value	Form
15 mg/m3		TWA	5 mg/m3	Respirable fraction.
Total dust.   Respirable fractic   15 mppcf   Respirable fractic   15 mp/m3   Respirable fractic   13463-67-7)	21043-31-2)		15 mg/m3	Total dust
15 mppcf   Respirable fraction   Respirabl				
Titanium Dioxide (CAS 13463-67-7)  Titanium Dioxide (CAS 13463-67-7)  15 mg/m3 Total dust. 50 mppcf Total dust. 15 mppcf Respirable fraction from the property of the property			• •	
13463-67-7)  15 mg/m3	Titanium Dioxide (CAS	Τ\Λ/Δ		•
15 mg/m3	,	1 ***	o mg/mo	reophable haddon.
US. ACGIH Threshold Limit Values Components  Type  Value Form  Acetone (CAS 67-64-1)  STEL TWA 250 ppm Aluminum Hydroxide (CAS TWA 21645-51-2)  Methyl n-Amyl Ketone (CAS TWA Titanium Dioxide (CAS TWA	•		15 mg/m3	Total dust.
Value   Form			50 mppcf	Total dust.
Components         Type         Value         Form           Acetone (CAS 67-64-1)         STEL TWA         500 ppm 250 ppm           Aluminum Hydroxide (CAS 21645-51-2)         TWA         1 mg/m3         Respirable fraction           Methyl n-Amyl Ketone (CAS 110-43-0)         TWA         50 ppm 150 ppm         50 ppm           N-Butyl Acetate (CAS 123-86-4)         STEL TWA         150 ppm 10 mg/m3         10 mg/m3           Tittanium Dioxide (CAS 13463-67-7)         TWA         10 mg/m3 10 mg/m3 250 ppm         10 mg/m3 250 ppm           Acetone (CAS 67-64-1)         TWA         590 mg/m3 250 ppm         465 mg/m3 110-43-0)           Methyl n-Amyl Ketone (CAS 110-43-0)         TWA         465 mg/m3 100 ppm			15 mppcf	Respirable fraction.
Components         Type         Value         Form           Acetone (CAS 67-64-1)         STEL TWA         500 ppm 250 ppm           Aluminum Hydroxide (CAS 21645-51-2)         TWA         1 mg/m3         Respirable fraction           Methyl n-Amyl Ketone (CAS 110-43-0)         TWA         50 ppm 150 ppm         50 ppm           N-Butyl Acetate (CAS 123-86-4)         STEL TWA         150 ppm 10 mg/m3         10 mg/m3           Tittanium Dioxide (CAS 13463-67-7)         TWA         10 mg/m3 10 mg/m3 250 ppm         10 mg/m3 250 ppm           Acetone (CAS 67-64-1)         TWA         590 mg/m3 250 ppm         465 mg/m3 110-43-0)           Methyl n-Amyl Ketone (CAS 110-43-0)         TWA         465 mg/m3 100 ppm	US. ACGIH Threshold I imit Values			
TWA 250 ppm Aluminum Hydroxide (CAS TWA 1 mg/m3 Respirable fraction 21645-51-2) Methyl n-Amyl Ketone (CAS TWA 50 ppm 110-43-0) N-Butyl Acetate (CAS STEL 150 ppm 123-86-4) TWA 50 ppm 150 ppm 150 ppm 1643-67-7) US. NIOSH: Pocket Guide to Chemical Hazards Components Type Value  Acetone (CAS 67-64-1) Methyl n-Amyl Ketone (CAS TWA 465 mg/m3 110-43-0)  Methyl n-Amyl Ketone (CAS TWA 465 mg/m3 110-43-0)		Туре	Value	Form
Aluminum Hydroxide (CAS TWA 1 mg/m3 Respirable fraction 21645-51-2)  Methyl n-Amyl Ketone (CAS TWA 50 ppm 110-43-0)  N-Butyl Acetate (CAS STEL 150 ppm 123-86-4)  TWA 50 ppm 110 mg/m3 13463-67-7)  US. NIOSH: Pocket Guide to Chemical Hazards  Components Type Value  Acetone (CAS 67-64-1) TWA 590 mg/m3 250 ppm 100 ppm 110-43-0)  Methyl n-Amyl Ketone (CAS TWA 465 mg/m3 110-43-0)	Acetone (CAS 67-64-1)	STEL	500 ppm	
Methyl n-Amyl Ketone (CAS		TWA	250 ppm	
Methyl n-Amyl Ketone (CAS       TWA       50 ppm         110-43-0)       N-Butyl Acetate (CAS       STEL       150 ppm         123-86-4)       TWA       50 ppm         Titanium Dioxide (CAS       TWA       10 mg/m3         13463-67-7)       US. NIOSH: Pocket Guide to Chemical Hazards         Components       Type       Value         Acetone (CAS 67-64-1)       TWA       590 mg/m3         Methyl n-Amyl Ketone (CAS       TWA       465 mg/m3         110-43-0)       100 ppm		TWA	1 mg/m3	Respirable fraction.
110-43-0) N-Butyl Acetate (CAS STEL 150 ppm  123-86-4) TWA 50 ppm  Titanium Dioxide (CAS TWA 10 mg/m3  13463-67-7)  US. NIOSH: Pocket Guide to Chemical Hazards Components Type Value  Acetone (CAS 67-64-1) TWA 590 mg/m3 250 ppm  Methyl n-Amyl Ketone (CAS TWA 465 mg/m3  110-43-0)  100 ppm		T10/0		
N-Butyl Acetate (CAS 123-86-4)  TWA 50 ppm  Titanium Dioxide (CAS TWA 10 mg/m3  13463-67-7)  US. NIOSH: Pocket Guide to Chemical Hazards  Components Type Value  Acetone (CAS 67-64-1)  Methyl n-Amyl Ketone (CAS TWA 465 mg/m3  110-43-0)  TWA 150 ppm  100 ppm		IVVA	50 ppm	
123-86-4)  TWA 50 ppm Titanium Dioxide (CAS 13463-67-7)  US. NIOSH: Pocket Guide to Chemical Hazards Components Type Value  Acetone (CAS 67-64-1) TWA 590 mg/m3 250 ppm Methyl n-Amyl Ketone (CAS 110-43-0)  TWA 100 ppm	•	STEL	150 nnm	
TWA 50 ppm Titanium Dioxide (CAS TWA 10 mg/m3 13463-67-7)  US. NIOSH: Pocket Guide to Chemical Hazards Components Type Value  Acetone (CAS 67-64-1) TWA 590 mg/m3 250 ppm Methyl n-Amyl Ketone (CAS TWA 465 mg/m3 110-43-0) 100 ppm		O.LL	130 ррш	
Titanium Dioxide (CAS TWA 10 mg/m3 13463-67-7)  US. NIOSH: Pocket Guide to Chemical Hazards  Components Type Value  Acetone (CAS 67-64-1) TWA 590 mg/m3 250 ppm  Methyl n-Amyl Ketone (CAS TWA 465 mg/m3 110-43-0) 100 ppm	,	TWA	50 ppm	
13463-67-7)  US. NIOSH: Pocket Guide to Chemical Hazards  Components  Type  Value  Acetone (CAS 67-64-1)  Methyl n-Amyl Ketone (CAS  TWA  110-43-0)  TWA  590 mg/m3 250 ppm 465 mg/m3 100 ppm	Titanium Dioxide (CAS			
Components         Type         Value           Acetone (CAS 67-64-1)         TWA         590 mg/m3 250 ppm           Methyl n-Amyl Ketone (CAS 110-43-0)         TWA         465 mg/m3 100 ppm			. <b>.</b>	
Acetone (CAS 67-64-1)  TWA  590 mg/m3  250 ppm  Methyl n-Amyl Ketone (CAS  TWA  465 mg/m3  110-43-0)  100 ppm				
250 ppm  Methyl n-Amyl Ketone (CAS TWA 465 mg/m3  110-43-0)  100 ppm	Components	Туре	Value	
Methyl n-Amyl Ketone (CAS TWA 465 mg/m3 110-43-0) 100 ppm	Acetone (CAS 67-64-1)	TWA	590 mg/m3	
110-43-0) 100 ppm			250 ppm	
100 ppm		TWA	465 mg/m3	
• • • • • • • • • • • • • • • • • • • •	110-43-0)			
N-Butyl Acetate (CAS STEL 950 mg/m3				
123-86-4)	N-Butyl Acetate (CAS	STEL	950 mg/m3	

# US. NIOSH: Pocket Guide to Chemical Hazards

Components	Туре	Value	
		200 ppm	
	TWA	710 mg/m3	
		150 ppm	
US. Workplace Environme	ntal Exposure Level (WEEL) Guides		
Components	Туре	Value	

# (CAS 108-65-6) **Biological limit values**

Glycol Ether PM Acetate

**ACGIH Biological Exposure Indices** 

Components	Value	Determinant	Specimen	Sampling Time
Acetone (CAS 67-64-1)	25 mg/l	Acetone	Urine	*

<sup>\* -</sup> For sampling details, please see the source document.

## **Exposure guidelines**

#### US - California OELs: Skin designation

Glycol Ether PM Acetate (CAS 108-65-6)

Can be absorbed through the skin.

50 ppm

Appropriate engineering

controls

Explosion-proof general and local exhaust ventilation. Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Provide eyewash station. Eye wash fountain and emergency showers are recommended.

#### Individual protection measures, such as personal protective equipment

Eye/face protection Chemical respirator with organic vapor cartridge and full facepiece.

**TWA** 

Skin protection

Wear appropriate chemical resistant gloves. **Hand protection** 

Wear suitable protective clothing. Use of an impervious apron is recommended. Other

Respiratory protection Chemical respirator with organic vapor cartridge and full facepiece.

Wear appropriate thermal protective clothing, when necessary. Thermal hazards









#### General hygiene considerations

Observe any medical surveillance requirements. When using do not smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

# 9. Physical and chemical properties

#### **Appearance**

Liquid. **Physical state Form** Liquid. White Color Solvent. Odor **Odor threshold** Not available. pН Not available.

-138.46 °F (-94.7 °C) estimated Melting point/freezing point Initial boiling point and boiling 132.8 °F (56 °C) estimated

range

-0.4 °F (-18.0 °C) estimated Flash point

**Evaporation rate** Not available. Flammability (solid, gas) Not applicable.

SDS US

# Upper/lower flammability or explosive limits

Flammability limit - lower

(%)

1.1 % estimated

Flammability limit - upper

(%)

12.8 % estimated

Explosive limit - lower (%) Not available.

Explosive limit - upper (%) Not available.

Vapor pressure 1944.42 hPa estimated

Vapor densityNot available.Relative densityNot available.

Solubility(ies)

Solubility (water) Not available.

Partition coefficient Not available.

(n-octanol/water)

Auto-ignition temperature 740 °F (393.33 °C) estimated

**Decomposition temperature** Not available. **Viscosity** Not available.

Other information

**Density** 1.64 g/cm3 estimated

**Explosive properties** Not explosive.

Flammability class Flammable IB estimated

Oxidizing properties Not oxidizing.

Percent volatile 15.6 % estimated

Specific gravity 1.64 estimated

# 10. Stability and reactivity

**Reactivity**The product is stable and non-reactive under normal conditions of use, storage and transport.

Chemical stability Material is stable under normal conditions.

Possibility of hazardous Hazardous polymerization does not occur.

reactions

Conditions to avoid Avoid heat, sparks, open flames and other ignition sources. Avoid temperatures exceeding the

flash point. Contact with incompatible materials.

Incompatible materials Strong acids. Nitrates.

**Hazardous decomposition** 

products

No hazardous decomposition products are known.

# 11. Toxicological information

# Information on likely routes of exposure

**Inhalation** Harmful if inhaled.

**Skin contact** No adverse effects due to skin contact are expected.

**Eye contact** Causes serious eye irritation.

**Ingestion** Expected to be a low ingestion hazard.

Symptoms related to the physical, chemical and toxicological characteristics

Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred

vision.

#### Information on toxicological effects

Acute toxicity Harmful if inhaled.

Material name: Bright White Basecoat

Components Species Test Results

Methyl n-Amyl Ketone (CAS 110-43-0)

Acute Oral

LD50 Rat 1.67 g/kg

**Skin corrosion/irritation** Prolonged skin contact may cause temporary irritation.

Serious eye damage/eye

Causes serious eye irritation.

irritation

Respiratory or skin sensitization

**Respiratory sensitization** Not a respiratory sensitizer.

**Skin sensitization** This product is not expected to cause skin sensitization.

**Germ cell mutagenicity** May cause genetic defects.

**Carcinogenicity** May cause cancer.

IARC Monographs. Overall Evaluation of Carcinogenicity

Titanium Dioxide (CAS 13463-67-7) 2B Possibly carcinogenic to humans.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not regulated.

US. National Toxicology Program (NTP) Report on Carcinogens

Not listed.

**Reproductive toxicity**This product is not expected to cause reproductive or developmental effects.

Specific target organ toxicity -

single exposure

Not classified.

Specific target organ toxicity -

repeated exposure

Not classified.

Aspiration hazard Not an aspiration hazard.

**Chronic effects** Prolonged inhalation may be harmful. Prolonged exposure may cause chronic effects.

# 12. Ecological information

**Ecotoxicity** Harmful to aquatic life with long lasting effects.

COLOXICITY	Hamilia to aduatic life with long lasting effects.			
Components		Species	Test Results	
Acetone (CAS 67-64-	1)			
Aquatic				
Crustacea	EC50	Water flea (Daphnia magna)	10294 - 17704 mg/l, 48 hours	
Fish	LC50	Rainbow trout,donaldson trout (Oncorhynchus mykiss)	4740 - 6330 mg/l, 96 hours	
Methyl n-Amyl Ketone	(CAS 110-43-0)			
Aquatic				
Fish	LC50	Fathead minnow (Pimephales promelas)	126 - 137 mg/l, 96 hours	
N-Butyl Acetate (CAS	123-86-4)			
Aquatic				
Fish	LC50	Fathead minnow (Pimephales promelas)	17 - 19 mg/l, 96 hours	
Petroleum Distillates,	Hydrotreated Light	(CAS 64742-47-8)		
Aquatic				
Crustacea	EC50	Water flea (Daphnia pulex)	2.7 - 5.1 mg/l, 48 hours	
Fish	LC50	Rainbow trout,donaldson trout (Oncorhynchus mykiss)	2.9 mg/l, 96 hours	
Titanium Dioxide (CAS	S 13463-67-7)			
Aquatic				
Crustacea	EC50	Water flea (Daphnia magna)	> 1000 mg/l, 48 hours	

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<sup>\*</sup> Estimates for product may be based on additional component data not shown.

Components **Species Test Results** LC50 Mummichog (Fundulus heteroclitus) > 1000 mg/l, 96 hours Fish

#### Persistence and degradability

#### Bioaccumulative potential

Partition coefficient n-octanol / water (log Kow)

-0.241.98 Methyl n-Amyl Ketone N-Butyl Acetate 1.78

No data available. Mobility in soil

Other adverse effects No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation

potential, endocrine disruption, global warming potential) are expected from this component.

## 13. Disposal considerations

Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Do not allow **Disposal instructions** 

this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches

with chemical or used container. Dispose of contents/container in accordance with

local/regional/national/international regulations.

Local disposal regulations Dispose in accordance with all applicable regulations.

The waste code should be assigned in discussion between the user, the producer and the waste Hazardous waste code

disposal company.

Waste from residues / unused

products

Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see:

Disposal instructions).

Contaminated packaging Since emptied containers may retain product residue, follow label warnings even after container is

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

disposal.

# 14. Transport information

The following transportation information is provided based on the manufacturer's interpretation of shipping regulations. Each shipper is responsible for identifying, naming, marking, and labeling prior to offering for transport.

DOT

UN1263 **UN number** 

**UN proper shipping name** Paint related material including paint thinning, drying, removing, or reducing compound

Transport hazard class(es)

3 **Class** Subsidiary risk 3 Label(s) Packing group Ш

Special precautions for user Read safety instructions, SDS and emergency procedures before handling.

149, B52, IB2, T4, TP1, TP8, TP28 Special provisions

Packaging exceptions 150 Packaging non bulk 173 242 Packaging bulk

**IATA** 

**UN** number UN1263

**UN proper shipping name** Paint related material (including paint thinning or reducing compounds)

Transport hazard class(es)

Class 3

Subsidiary risk П Packing group **Environmental hazards** No. 3L **ERG Code** 

Other information

Special precautions for user Read safety instructions, SDS and emergency procedures before handling.

Passenger and cargo

aircraft

Allowed with restrictions.

Cargo aircraft only Allowed with restrictions.

<sup>\*</sup> Estimates for product may be based on additional component data not shown.

#### **IMDG**

UN number UN1263

UN proper shipping name PAINT (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid

lacquer base) or PAINT RELATED MATERIAL (including paint thinning or reducing compound)

Transport hazard class(es)

Class 3
Subsidiary risk Packing group II
Environmental hazards

 Marine pollutant
 No.

 EmS
 F-E, S-E

EmS F-E, <u>S-I</u>

Special precautions for user Read safety instructions, SDS and emergency procedures before handling.

Transport in bulk according to Annex II of MARPOL 73/78 and

Not established.

the IBC Code

#### DOT



IATA; IMDG



## 15. Regulatory information

**US federal regulations**This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication

Standard, 29 CFR 1910.1200.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

parachlorobenzotriflouride (CAS 98-56-6) 1.0 % One-Time Export Notification only.

**CERCLA Hazardous Substance List (40 CFR 302.4)** 

Acetone (CAS 67-64-1) Listed. N-Butyl Acetate (CAS 123-86-4) Listed.

SARA 304 Emergency release notification

Not regulated.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not regulated.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories Immediate Hazard - Yes

Delayed Hazard - Yes Fire Hazard - Yes Pressure Hazard - No Reactivity Hazard - No

SARA 302 Extremely hazardous substance

Not listed.

SARA 311/312 Hazardous No

chemical

SARA 313 (TRI reporting)

Not regulated.

#### Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Not regulated.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

Safe Drinking Water Act

Not regulated.

(SDWA)

Drug Enforcement Administration (DEA). List 2, Essential Chemicals (21 CFR 1310.02(b) and 1310.04(f)(2) and Chemical Code Number

Acetone (CAS 67-64-1) 6532

Drug Enforcement Administration (DEA). List 1 & 2 Exempt Chemical Mixtures (21 CFR 1310.12(c))

Acetone (CAS 67-64-1) 35 %WV

**DEA Exempt Chemical Mixtures Code Number** 

Acetone (CAS 67-64-1) 6532

FEMA Priority Substances Respiratory Health and Safety in the Flavor Manufacturing Workplace

Acetone (CAS 67-64-1) Low priority

Methyl n-Amyl Ketone (CAS 110-43-0)

Other Flavoring Substances with OSHA PEL's

N-Butyl Acetate (CAS 123-86-4)

Low priority

**US state regulations** WARNING: This product contains a chemical known to the State of California to cause cancer.

US - California Proposition 65 - CRT: Listed date/Carcinogenic substance

Titanium Dioxide (CAS 13463-67-7) Listed: September 2, 2011

US. California. Candidate Chemicals List. Safer Consumer Products Regulations (Cal. Code Regs, tit. 22, 69502.3, subd. (a))

Acetone (CAS 67-64-1)

Titanium Dioxide (CAS 13463-67-7)

#### **International Inventories**

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	No
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Japan Inventory of Existing and New Chemical Substances (ENCS)	
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	No

<sup>\*</sup>A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s) A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

# 16. Other information, including date of preparation or last revision

 Issue date
 12-08-2015

 Revision date
 08-14-2017

Version # 02

**Disclaimer** Medallion Refinish System cannot anticipate all conditions under which this information and its

product, or the products of other manufacturers in combination with its product, may be used. It is the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use.

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This document has undergone significant changes and should be reviewed in its entirety.

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