

# SAFETY DATA SHEET

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## SECTION 1) CHEMICAL PRODUCT AND MANUFACTURER'S IDENTIFICATION

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**Product ID:** 0924-XXXX-0011  
**Product Name:** MARKER VALVE, GLAZE - GENERAL FORMULA  
**Revision Date:** Feb 15, 2018 **Date Printed:** Feb 15, 2018  
**Version:** 1.0 **Supersedes Date:** N.A.  
**Manufacturer's Name:** TOUCH-UP SOLUTIONS  
**Address:** 4372 Providence Mill Rd Maiden, NC, US, 28650  
**Emergency Phone:** 1-800-535-5053 | International : 1-352-323-3500  
**Information Phone Number:** 1-828-428-9094  
**Fax:** 1-828-428-9970  
**Product/Recommended Uses:** Touch up and repair

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## SECTION 2) HAZARDS IDENTIFICATION

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### Classification

Eye Irritation - Category 2A  
Flammable Liquids - Category 1  
Skin Irritation - Category 2

### Pictograms



### Signal Word

Danger

### Hazardous Statements - Physical

Extremely flammable liquid and vapor

### Hazardous Statements - Health

Causes serious eye irritation  
Causes skin irritation

### Precautionary Statements - General

If medical advice is needed, have product container or label at hand.  
Keep out of reach of children.  
Read label before use.

### Precautionary Statements - Prevention

Wash with water and soap thoroughly after handling.  
Wear protective gloves/protective clothing/eye protection/face protection.  
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. 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 action to prevent static discharges.

### Precautionary Statements - Response

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 (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].

In case of fire: Use DRY chemical, alcohol-resistant foam, carbon-dioxide, water spray/fog to extinguish.

IF ON SKIN: Wash with plenty of water.

Specific treatment (see First-aid on this label).

If skin irritation occurs: Get medical advice/attention.

Take off contaminated clothing. And wash it before reuse.

### Precautionary Statements - Storage

Store in a well-ventilated place. Keep cool.

### Precautionary Statements - Disposal

Dispose of contents/container to disposal recycling center.

Under RCRA it is the responsibility of the user of the product to determine at the time of disposal whether the product meets RCRA criteria for hazardous waste. Waste management should be in full compliance with federal, state and local laws.

**Acute toxicity of 5.36% of the mixture is unknown**

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## SECTION 3) COMPOSITION, INFORMATION ON INGREDIENTS

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CAS	Chemical Name	% By Weight
0064742-48-9	NAPHTHA, HEAVY HYDROTREATED (PETROLEUM)	34% - 57%
0001332-58-7	KAOLIN	22% - 37%
NA-BlueRidgeSo	RESIN SOLIDS PROPRIETARY	3% - 6%
0068527-24-2	HYDROCARBON RESIN	2% - 6%
0064742-95-6	AROMATIC HYDROCARBON MIXTURE >C9	2% - 5%
0001332-37-2	YELLOW IRON OXIDE	1.2% - 3%
0001309-37-1	FERRIC OXIDE	0.2% - 3%
0034590-94-8	DIPROPYLENE GLYCOL MONOMETHYL ETHER	0.2% - 3%
0008052-41-3	STODDARD SOLVENT	0.1% - 1.4%
0001317-34-6	MANGANESE TRIOXIDE	0.0% - 0.5%
0000110-19-0	ISO-BUTYL ACETATE	0.0% - 0.4%
0001313-13-9	MANGANESE DIOXIDE	0.0% - 0.4%

Specific chemical identity and/or exact percentage (concentration) of the composition has been withheld to protect confidentiality.

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## SECTION 4) FIRST-AID MEASURES

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### Eye Contact

Rinse eyes cautiously with lukewarm, gently flowing water for several minutes, while holding the eyelids open. Remove contact lenses, if present and easy to do. Continue rinsing for a duration of 15-20 minutes. Take care not to rinse contaminated water into the unaffected eye or onto the face. If eye irritation persists: Get medical advice/attention.

### Skin Contact

Take off contaminated clothing, shoes and leather goods (e.g. watchbands, belts). Rinse skin with lukewarm, gently flowing water for a duration of 15-20 minutes. If skin irritation occurs: Get medical advice/attention. Wash contaminated clothing before re-use.

### Ingestion

Rinse mouth. If unwell or concerned: Get medical attention/advice. Do NOT induce vomiting unless advised by Poison center or doctor.

### Inhalation

Remove source of exposure or move person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor, if you feel unwell.

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## SECTION 5) FIRE-FIGHTING MEASURES

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### Unsuitable Extinguishing Media

Do not use water jet.

### Special hazards in case of fire

Hazardous Combustion Products: Oxides of carbon.

Flammable components of this material may be lighter than water and burn while floating on the surface.

Vapors are heavier than air and may travel to a source of ignition and flash back.

### Special Protective Actions

Wear protective pressure self-contained breathing apparatus (SCBA) and full turnout gear.

### Suitable Extinguishing Media

Dry chemical, foam, carbon dioxide is recommended. Water spray is recommended to cool or protect exposed materials or structures. Carbon dioxide can displace oxygen. Use caution when applying carbon dioxide in confined spaces. Simultaneous use of foam and water on the same surface is to be avoided as water destroys the foam.

### Fire-Fighting Procedures

Isolate immediate hazard area and keep unauthorized personnel out. Stop spill/release if it can be done safely. Move undamaged containers from immediate hazard area if it can be done safely. Water spray may be useful in minimizing or dispersing vapors and to protect personnel. Water may be ineffective but can be used to cool containers exposed to heat or flame. Caution should be exercised when using water or foam as frothing may occur, especially if sprayed into containers of hot, burning liquid.

Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.

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## SECTION 6) ACCIDENTAL RELEASE MEASURES

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### Emergency Procedure

ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area).

Isolate hazard area and keep unnecessary people away. Remove all possible sources of ignition in the surrounding area. Notify authorities if any exposure to the general public or the environment occurs or is likely to occur.

Do not touch or walk through spilled material.

If spilled material is cleaned up using a regulated solvent, the resulting waste mixture may be regulated.

### Personal Precautions

Avoid breathing vapor. Avoid contact with skin, eye or clothing. Do not touch damaged containers or spilled materials unless wearing appropriate protective clothing.

### Environmental Precautions

Stop spill/release if it can be done safely. Prevent spilled material from entering sewers, storm drains, other unauthorized drainage systems and natural waterways by using sand, earth, or other appropriate barriers.

### Methods and Materials for Containment and Cleaning Up

Cover spills with suitable inert absorbent like granulated clay and place in sealed chemical waste containers.

### Recommended Equipment

Positive pressure, full-face piece self-contained breathing apparatus (SCBA), or positive pressure supplied air respirator with escape SCBA (NIOSH approved).

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## SECTION 7) HANDLING AND STORAGE

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### General

Wash hands after use.

Do not get in eyes, on skin or on clothing.

Do not breathe vapors or mists.

Use good personal hygiene practices.

Eating, drinking and smoking in work areas is prohibited.

Remove contaminated clothing and protective equipment before entering eating areas.

Eyewash stations and showers should be available in areas where this material is used and stored.

## Ventilation Requirements

Use only with adequate ventilation to control air contaminants to their exposure limits. The use of local ventilation is recommended to control emissions near the source.

## Storage Room Requirements

Keep container(s) tightly closed and properly labeled. Store in cool, dry, well-ventilated areas away from heat, direct sunlight, strong oxidizers and any incompatibilities. Store in approved containers and protect against physical damage. Keep containers securely sealed when not in use. Indoor storage should meet OSHA standards and appropriate fire codes. Containers that have been opened must be carefully resealed to prevent leakage. Empty containers retain residue and may be dangerous. Use non-sparking ventilation systems, approved explosion-proof equipment and intrinsically safe electrical systems in areas where this product is used and stored.

Do not cut, drill, grind, weld or perform similar operations on or near containers. Do not expose containers to heat, sparks, flame or other sources of ignition.

Ground and bond containers when transferring materials. Use procedures that prevent static electrical sparks. Static electricity may accumulate and create a fire hazard.

Use non-sparking ventilation systems, approved explosion-proof equipment and intrinsically safe electrical systems in areas where this product is used and stored.

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## SECTION 8) EXPOSURE CONTROLS, PERSONAL PROTECTION

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### Eye Protection

Wear eye protection with side shields or goggles. Wear indirect-vent, impact and splash resistant goggles when working with liquids. If additional protection is needed for entire face, use in combination with a face shield.

### Skin Protection

Use of gloves approved to relevant standards made from the following materials may provide suitable chemical protection: PVC, neoprene or nitrile rubber gloves. Suitability and durability of a glove is dependent on usage, e.g. frequency and duration of contact, chemical resistance of glove material, glove thickness, dexterity. Always seek advice from glove suppliers. Contaminated gloves should be replaced. Use of an apron and over-boots of chemically impervious materials such as neoprene or nitrile rubber is recommended to avoid skin sensitization. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace. Launder soiled clothes or properly disposed of contaminated material, which cannot be decontaminated.

### Respiratory Protection

If engineering controls do not maintain airborne concentrations to a level which is adequate to protect worker, a respiratory protection program that meets or is equivalent to OSHA 29 CFR 1910.134 and ANSI Z88.2 should be followed. Check with respiratory protective equipment suppliers.

### Appropriate Engineering Controls

Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value.

Chemical Name	OSHA TWA (mg/m3)	OSHA TWA (ppm)	OSHA STEL (mg/m3)	OSHA STEL (ppm)	OSHA Tables (Z1, Z2, Z3)	OSHA Carcinogen	OSHA Skin designation	NIOSH TWA (mg/m3)	NIOSH TWA (ppm)	NIOSH STEL (mg/m3)	NIOSH STEL (ppm)	NIOSH Carcinogen
AROMATIC HYDROCARBON MIXTURE >C9	2000	500			1							
DIPROPYLENE GLYCOL MONOMETHYL ETHER	600	100			1		1	600	100	900	150	
FERRIC OXIDE	[10]; [15]; [5];				1							
ISO-BUTYL ACETATE	700	150			1			700	150			
KAOLIN	[15]; [5 (a)];				1			10,5a				
MANGANESE DIOXIDE	5 ceiling				1							
MANGANESE TRIOXIDE	5 ceiling				1							
NAPHTHA, HEAVY HYDROTREATED (PETROLEUM)	2000	500			1							
STODDARD SOLVENT	2900	500			1			350				

Chemical Name	ACGIH TWA (mg/m3)	ACGIH TWA (ppm)	ACGIH STEL (mg/m3)	ACGIH STEL (ppm)	ACGIH Carcinogen	ACGIH TLV Basis	ACGIH Notations
AROMATIC HYDROCARBON MIXTURE >C9							
DIPROPYLENE GLYCOL MONOMETHYL ETHER	606	100	909	150		Eye & URT irr; CNS impair	Skin
FERRIC OXIDE	5 (R)				A4	Pneumococcosis	A4
ISO-BUTYL ACETATE		50		150		Eye & URT irr	
KAOLIN	2 (E,R)				A4	Pneumococcosis	A4
MANGANESE DIOXIDE	0.2					CNS impair	
MANGANESE TRIOXIDE	0.2					CNS impair	
NAPHTHA, HEAVY HYDROTREATED (PETROLEUM)							
STODDARD SOLVENT	572	100				Eye, skin, & kidney dam; nausea; CNS impair	

(C) - Ceiling limit, (R) - Respirable fraction, A4 - Not Classifiable as a Human Carcinogen, CNS - Central nervous system, dam - Damage, impair - Impairment, irr - Irritation, URT - Upper respiratory tract

## SECTION 9) PHYSICAL AND CHEMICAL PROPERTIES

### Physical and Chemical Properties

VOC Regulatory(lb/gal)	4.80 lb/gal
Density	9.13 lb/gal
% Solids By Weight	47.45%
Specific Gravity	1.09
% VOC	52.56%
Density VOC	4.80 lb/gal
lb VOC/lb Solid	1.11 lb/lb
% HAPS	0.74%
Density HAPS	0.07 lb/gal
lb HAPS/lb Solid	0.02 lb/lb
lb HAPS/gal Solid	lb/gal
% VHAPS	0.00%
Density VHAPS	0.00 lb/gal
lb VHAPS/lb Solid	0.00 lb/lb

Appearance	Liquid
Odor Description	N/A
Odor Threshold	N/A
pH	N/A
Flammability	Flash point below 73°F/23°C
Flash Point Symbol	<
Flash Point	15.6 °C

Lower Explosion Level	N/A
Upper Explosion Level	N/A
Water Solubility	N/A
Coefficient Water/Oil	N/A
Vapor Density	N/A
Vapor Pressure	N/A
Low Boiling Point	N/A
High Boiling Point	N/A
Melting Point	N/A
Freezing Point	N/A
Viscosity	N/A
Evaporation Rate	N/A
Decomposition Pt	N/A
Auto Ignition Temp	N/A

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## SECTION 10) STABILITY AND REACTIVITY

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### **Hazardous decomposition products**

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

### **Conditions to avoid**

Avoid flame, spark, heat, contact with air/water, visible light and contact with incompatible materials.

### **Stability**

Stable in normal conditions

### **Incompatible Materials**

Strong oxidizing agents, acids, alkalies, amines and water.

### **Hazardous reactions/polymerization**

Will not occur.

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## SECTION 11) TOXICOLOGICAL INFORMATION

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### **Skin Corrosion/Irritation**

Causes skin irritation

### **Serious Eye Damage/Irritation**

Causes serious eye irritation

### **Carcinogenicity**

No Data Available

### **Germ Cell Mutagenicity**

No Data Available

### **Reproductive Toxicity**

No Data Available

### **Respiratory/Skin Sensitization**

No Data Available

### **Specific Target Organ Toxicity - Single Exposure**

No Data Available

### **Specific Target Organ Toxicity - Repeated Exposure**

No Data Available

### **Aspiration Hazard**

No Data Available

### Acute Toxicity

No Data Available

### Potential Health Effects - Miscellaneous

0001332-37-2 YELLOW IRON OXIDE

Long- term respiratory exposure of iron oxide may result in deposition of particles in the lung (benign siderosis).

0001332-58-7 KAOLIN

The following medical conditions may be aggravated by exposure: asthma, dermatitis. Repeated or prolonged inhalation may cause any of the following: lung injury.

0064742-48-9 NAPHTHA, HEAVY HYDROTREATED (PETROLEUM)

Laboratory studies with rats have shown that petroleum distillates can cause kidney damage and kidney or liver tumors. These effects were not seen in similar studies with guinea pigs, dogs, or monkeys. Several studies evaluating petroleum workers have not shown a significant increase of kidney damage or an increase in kidney or liver tumors.

0064742-95-6 AROMATIC HYDROCARBON MIXTURE >C9

The following medical conditions may be aggravated by exposure: skin disorders. Laboratory studies with rats have shown that petroleum distillates can cause kidney damage and kidney or liver tumors. These effects were not seen in similar studies with guinea pigs, dogs, or monkeys. Several studies evaluating petroleum workers have not shown a significant increase of kidney damage or an increase in kidney or liver tumors.

0000110-19-0 ISO-BUTYL ACETATE

LC50 (rat): approximately 8000 ppm (4-hour exposure); 4 out of 6 rats died (3)

LD50 (oral, rat): 13400 mg/kg (cited as 15.4 mL/kg) (1)

LD50 (oral, rabbit): 4800 mg/kg (cited as 41 mmol/kg) (4)

LD50 (dermal, rabbit): Greater than 5000 mg/kg (1)

0008052-41-3 STODDARD SOLVENT

LC50 (rat): greater than 5500 mg/m<sup>3</sup> (880 ppm) (whole body exposure for 4 hours) (1)

LC50 (rat): greater than 8200 mg/m<sup>3</sup> (1300 ppm) (2)

LD50 (oral, rat): greater than 5 g/kg (1)

LD50 (dermal, rabbit): greater than 3 g/kg (1)

0034590-94-8 DIPROPYLENE GLYCOL MONOMETHYL ETHER

LD50 (oral, rat): 5.22 g/kg (reported as 5.50 mL/kg) (male rat); 5.18 g/kg (reported as 5.45 mL/kg) (female rat).(3)

LD50 (oral, dog): 7.13 g/kg (reported as 7.5 mL/kg).(3) NOTE: In the study with rats, death was due to narcosis (central nervous sys

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## SECTION 12) ECOLOGICAL INFORMATION

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### Toxicity

No Data Available

### Persistence and Degradability

Product is not expected to persist in the environment.

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## SECTION 13) DISPOSAL CONSIDERATIONS

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### Waste Disposal

Under RCRA it is the responsibility of the user of the product to determine at the time of disposal whether the product meets RCRA criteria for hazardous waste. Waste management should be in full compliance with federal, state and local laws.

Empty Containers retain product residue which may exhibit hazards of material, therefore do not pressurize, cut, glaze, weld or use for any other purposes.

COMPONENTS SUBJECT TO US EPA LAND DISPOSAL RESTRICTIONS: Contains Chromium (CAS : 7440-47-3).

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**SECTION 14) TRANSPORT INFORMATION**

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**U.S. DOT Information**

Hazard Class: 3

See 49CFR 172.101 for Special Provisions, Packaging, and QTY Limitations.

Paint, 3, UN 1263, PG II, ERG GUIDE 128

**IMDG Information**

Paint, 3, UN 1263, PG II, ERG GUIDE 128

Hazard Class: 3

Marine Pollutant: No data available.

**IATA Information**

Hazard Class: 3

Paint, 3, UN 1263, PG II, ERG GUIDE 128

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**SECTION 15) REGULATORY INFORMATION**

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CAS	Chemical Name	% By Weight	Regulation List
0064742-48-9	NAPHTHA, HEAVY HYDROTREATED (PETROLEUM)	34% - 57%	SARA312,VOC,TSCA
0001332-58-7	KAOLIN	22% - 37%	SARA312,TSCA
NA-BlueRidgeSo	RESIN SOLIDS PROPRIETARY	3% - 6%	SARA312
0068527-24-2	HYDROCARBON RESIN	2% - 6%	SARA312,VOC,TSCA
0064742-95-6	AROMATIC HYDROCARBON MIXTURE >C9	2% - 5%	SARA312,VOC,TSCA
0001332-37-2	YELLOW IRON OXIDE	1.2% - 3%	SARA312,TSCA
0001309-37-1	FERRIC OXIDE	0.2% - 3%	SARA312,IARCCarcinogen,TSCA
0034590-94-8	DIPROPYLENE GLYCOL MONOMETHYL ETHER	0.2% - 3%	SARA312,VOC,TSCA
0008052-41-3	STODDARD SOLVENT	0.1% - 1.4%	SARA312,VOC,TSCA
0000071-36-3	N-BUTYL ALCOHOL	0.1% - 1.0%	SARA313, CERCLA,SARA312,VOC,TSCA
0001308-38-9	CHROMIUM(III) OXIDE (2:3)	0.0% - 0.5%	SARA313, CERCLA,HAPS,SARA312,TSCA
0001317-34-6	MANGANESE TRIOXIDE	0.0% - 0.5%	SARA313, CERCLA,HAPS,SARA312,TSCA
0000110-19-0	ISO-BUTYL ACETATE	0.0% - 0.4%	CERCLA,SARA312,VOC,TSCA
0001313-13-9	MANGANESE DIOXIDE	0.0% - 0.4%	SARA313, CERCLA,HAPS,SARA312,TSCA

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**SECTION 16) OTHER INFORMATION**

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**Glossary**

ACGIH- American Conference of Governmental Industrial Hygienists; ANSI- American National Standards Institute; Canadian TDG- Canadian Transportation of Dangerous Goods; CAS- Chemical Abstract Service; Chemtrec- Chemical Transportation Emergency Center (US); CHIP- Chemical Hazard Information and Packaging; DSL- Domestic Substances List; EC- Equivalent Concentration; EH40 (UK)-



HSE Guidance Note EH40 Occupational Exposure Limits; EPCRA- Emergency Planning and Community Right-To-Know Act; ESL- Effects screening levels; HMIS- Hazardous Material Information Service; LC- Lethal Concentration; LD- Lethal Dose; NFPA- National Fire Protection Association; OEL- Occupational Exposure Limits; OSHA- Occupational Safety and Health Administration, US Department of Labor; PEL- Permissible Exposure Limit; SARA (Title III)- Superfund Amendments and Reauthorization Act; SARA 313- Superfund Amendments and Reauthorization Act, Section 313; SCBA- Self-Contained Breathing Apparatus; STEL- Short Term Exposure Limit; TCEQ- Texas Commission on Environmental Quality; TLV- Threshold Limit Value; TSCA- Toxic Substances Control Act Public Law 94-469; TWA- Time Weighted Value; US DOT- US Department of Transportation; WHMIS- Workplace Hazardous Materials Information System.

## OTHER

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### Version 1.0:

Revision Date: Mar 28, 2017

Version 1.0

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