

Revision Date: 25-Aug-2015

**Revision Number:** 1

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name Product Code Alternate Product Code Product Class Color Recommended use Restrictions on use

## QUICKSTAIN ALKYD WIPING STAIN TRADITIONAL CHERRY 1AS-1218 TE6056 STAIN

Dark red Stain No information available

#### Manufacturer

Benjamin Moore & Co. 101 Paragon Drive Montvale, NJ 07645 Phone: 800-225-5554 lenmar-coatings.com

## Emergency Telephone Number(s)

CHEMTREC (US): 800-424-9300 CHEMTREC (outside US): (703)-527-3887

## 2. HAZARDS IDENTIFICATION

#### **Classification**

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
Carcinogenicity	Category 1B
Reproductive toxicity	Category 2
Specific target organ toxicity (single exposure)	Category 2
Specific target organ toxicity (repeated exposure)	Category 1
Aspiration toxicity	Category 1
Flammable liquids	Category 2

## Label elements

Danger

### Hazard statements

Causes skin irritation Causes serious eye irritation May cause cancer Suspected of damaging fertility or the unborn child May cause damage to organs Causes damage to organs through prolonged or repeated exposure May be fatal if swallowed and enters airways Highly flammable liquid and vapor



Appearance liquid

Odor solvent

### **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 Wear eye/face protection Do not breathe dust/fume/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/equipment Use only non-sparking tools Take precautionary measures against static discharge

#### **Precautionary Statements - Response**

If exposed or concerned get medical attention **Eves** 

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 attention

#### Skin

If skin irritation occurs get medical attention

If on skin (or hair) take off immediately all contaminated clothing. Rinse skin with water

Wash contaminated clothing before reuse

#### Ingestion

If swallowed immediately call a POISON CENTER or physician

Do NOT induce vomiting

### Fire

In case of fire use CO2, dry chemical, or foam for extinction

### **Precautionary Statements - Storage**

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

#### **Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

## Hazards not otherwise classified (HNOC)

Not Applicable

#### Other information

No information available

#### **Other Hazards**

Rags, steel wool or waste soaked with this product may spontaneously catch fire if improperly discarded.

## 3. COMPOSITION INFORMATION ON COMPONENTS

Chemical Name	CAS-No	Weight % (max)
Hydrotreated light naphtha	64742-49-0	15
Solvent naphtha (petroleum), heavy aromatic	64742-94-5	10
Distillates, petroleum, hydrotreated light	64742-47-8	10
Acetone	67-64-1	10
Solvent naphtha, petroleum, light aromatic	64742-95-6	10
n-Butyl acetate	123-86-4	10
2-Butoxyethanol	111-76-2	5
VM&P naphtha	64742-89-8	5
1,2,4-Trimethylbenzene	95-63-6	5
Stoddard solvent	8052-41-3	5
Xylene	1330-20-7	5
Naphthalene	91-20-3	1
Ethyl benzene	100-41-4	0.5
Cumene	98-82-8	0.5
Carbon black	1333-86-4	0.5

## 4. FIRST AID MEASURES

First aid measures

General Advice	If symptoms persist, call a physician. Show this safety data sheet to the doctor in attendance.
Eye Contact	Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing 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 removing all contaminated clothes and shoes. If skin irritation persists, call a physician.
Inhalation	Move to fresh air. If symptoms persist, call a physician. If not breathing, give artificial respiration. Call a physician immediately.
Ingestion	Clean mouth with water and afterwards drink plenty of water. Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. Consult a physician.

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	ptomatically.
Notes To Physician Treat syr	
5. FI	E-FIGHTING MEASURES
Flammable Properties	Vapors may travel considerable distance to a source of ignition and flash back. Vapors may cause flash fire.
Suitable Extinguishing Media	Foam, dry powder or water. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Protective Equipment And Precautions For Firefighters	r As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.
Specific Hazards Arising From The Chem	cal Flammable. Flash back possible over considerable distance. Keep product and empty container away from heat and sources of ignition. Closed containers may rupture if exposed to fire or extreme heat. Thermal decomposition can lead to release of irritating gases and vapors.
Sensitivity To Mechanical Impact	No
Sensitivity To Static Discharge	Yes
Flash Point Data Flash Point (°F) Flash Point (°C) Flash Point Method	29 -2 PMCC
Flammability Limits In Air	
Lower Explosion Limit Upper Explosion Limit	Not available Not available
NFPA Health: 1 Flammability:	3 Instability: 0 Special: Not Applicable
NFPA Legend 0 - Not Hazardous 1 - Slightly 2 - Moderate 3 - High 4 - Severe	tractor/employer has ultimate responsibilities for NFPA ratings where this system is used

The ratings assigned are only suggested ratings, the contractor/employer has ultimate responsibilities for NFPA ratings where this system is used.

Additional information regarding the NFPA rating system is available from the National Fire Protection Agency (NFPA) at www.nfpa.org.

## 6. ACCIDENTAL RELEASE MEASURES **Personal Precautions** Remove all sources of ignition. Take precautions to prevent flashback. Ground and bond all containers and handling equipment. Take precautionary measures against static discharges. Ensure adequate ventilation. Avoid contact with skin, eyes and clothing. Use personal protective equipment. Prevent further leakage or spillage if safe to do so. Do not allow material to **Other Information** contaminate ground water system. Prevent product from entering drains. Do not flush into surface water or sanitary sewer system. Local authorities should be advised if significant spillages cannot be contained. **Environmental Precautions** See Section 12 for additional Ecological Information. **Methods For Clean-Up** Dam up. Soak up with inert absorbent material. Use a non-sparking or explosion proof means to transfer material to a sealed, appropriate container for disposal. Clean contaminated surface thoroughly. 7. HANDLING AND STORAGE Handling Avoid contact with skin, eyes and clothing. Wear personal protective equipment. Do not breathe vapors or spray mist. Use only in ventilated areas. Prevent vapor build-up by providing adequate ventilation during and after use. Take precautionary measures against static discharges. To avoid ignition of vapors by static electricity discharge, all metal parts of the equipment must be grounded. Keep away from heat, sparks and flame. Do not smoke. Extinguish all flames and pilot lights, and turn off stoves, heaters, electric motors and other sources of ignition during use and until all vapors are gone. Ignition and/or flash back may occur. Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away Storage from heat. Keep away from open flames, hot surfaces and sources of ignition. Keep in properly labeled containers. Keep out of the reach of children. **DANGER** - Rags, steel wool or waste soaked with this product may spontaneously catch fire if improperly discarded. Immediately after use, place rags, steel wool or waste in a sealed water-filled metal container. No information available **Incompatible Materials** Technical measures/Precautions Ensure adequate ventilation. Use only where airflow will keep vapors from building up in or near the work area in adjoining rooms. Comply with all national, state, and local codes pertaining to the storage, handling, dispensing and disposal of flammable liquids. Dissipate static electricity during transfer by grounding and bonding containers and equipment before transferring material. All equipment should be non-sparking and explosion proof. Use explosion proof electrical equipment for ventilation, lighting and material handling.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### **Exposure Limits**

Chemical Name	ACGIH	OSHA
Acetone	500 ppm - TWA	1000 ppm - TWA
	750 ppm - STEL	2400 mg/m <sup>3</sup> - TWA
n-Butyl acetate	150 ppm - TWA	150 ppm - TWA
	200 ppm - STEL	710 mg/m³ - TWA
2-Butoxyethanol	20 ppm - TWA	50 ppm - TWA
		240 mg/m <sup>3</sup> - TWA
		prevent or reduce skin absorption
Stoddard solvent	100 ppm - TWA	2900 mg/m³ - TWA
		500 ppm - TWA
Xylene	100 ppm - TWA	100 ppm - TWA
·	150 ppm - STEL	435 mg/m <sup>3</sup> - TWA
Naphthalene	10 ppm - TWA	10 ppm - TWA
·	15 ppm - STEL	50 mg/m <sup>3</sup> - TWA
	Skin	-
Ethyl benzene	20 ppm - TWA	100 ppm - TWA
·		435 mg/m <sup>3</sup> - TWA
Cumene	50 ppm - TWA	50 ppm - TWA
		245 mg/m <sup>3</sup> - TWA
		prevent or reduce skin absorption
Carbon black	3.5 mg/m <sup>3</sup> - TWA	3.5 mg/m <sup>3</sup> - TWA

#### Legend

ACGIH - American Conference of Governmental Industrial Hygienists Exposure Limits OSHA - Occupational Safety & Health Administration Exposure Limits N/E - Not Established

#### Appropriate engineering controls

Engineering Measures	Ensure adequate ventilation, especially in confined areas.
Personal Protective Equipment Eye/Face Protection	Safety glasses with side-shields.
Skin Protection Respiratory Protection	Long sleeved clothing. Protective gloves. Use only with adequate ventilation. In operations where exposure limits are exceeded, use a NIOSH approved respirator that has been selected by a technically qualified person for the specific work conditions. When spraying the product or applying in confined areas, wear a NIOSH approved respirator specified for paint spray or organic vapors.
Hygiene Measures	Remove and wash contaminated clothing before re-use.

#### 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance Odor **Odor Threshold** Density (lbs/gal) **Specific Gravity** Hα Viscosity (cps) Solubility

**Hygiene Measures** 

liquid solvent No information available 7.35 - 7.45 0.88 - 0.90 No information available No information available No information available

Water Solubility **Evaporation Rate** Vapor Pressure Vapor Density Wt. % Solids Vol. % Solids Wt. % Volatiles Vol. % Volatiles VOC Regulatory Limit (g/L) **Boiling Point (°F) Boiling Point (°C)** Freezing Point (°F) Freezing Point (°C) Flash Point (°F) Flash Point (°C) **Flash Point Method** Flammability (solid, gas) **Upper Explosion Limit** Lower Explosion Limit Autoignition Temperature (°F) Autoignition Temperature (°C) **Decomposition Temperature (°F) Decomposition Temperature (°C)** Partition Coefficient (n-octanol/water)

No information available No information available No information available No information available 35 - 45 30 - 40 55 - 65 60 - 70 <550 132 56 No information available No information available 29 -2 PMCC Not applicable No information available No information available

## 10. STABILITY AND REACTIVITY

Reactivity	No data available
Chemical Stability	Stable under normal conditions. Hazardous polymerisation does not occur.
Conditions To Avoid	Keep away from open flames, hot surfaces, static electricity and sources of ignition. Sparks. Elevated temperature.
Incompatible Materials	Incompatible with strong acids and bases and strong oxidizing agents.
Hazardous Decomposition Products	Thermal decomposition can lead to release of irritating gases and vapors.
Possibility Of Hazardous Reactions	None under normal conditions of use.

11. TOXICOLOGICAL INFORMATION

**Product Information** 

Information on likely routes of exposure

**Principal Routes of Exposure** Eye contact, skin contact and inhalation.

Acute Toxicity

Product Information	Repeated or prolonged exposure to organic solvents may lead to permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling vapors may be harmful or fatal.
Information on toxicological eff	ects
Symptoms	No information available
Delayed and immediate effects	as well as chronic effects from short and long-term exposure
Eye contact	Contact with eyes may cause irritation.
Skin contact	May cause skin irritation and/or dermatitis. Prolonged skin contact may defat the skin and produce dermatitis.
Ingestion	Harmful if swallowed. Ingestion may cause irritation to mucous membranes. Small amounts of this product aspirated into the respiratory system during ingestion or vomiting may cause mild to severe pulmonary injury, possibly progressing to death.
Inhalation	Harmful by inhalation. High vapor / aerosol concentrations are irritating to the eyes, nose, throat and lungs and may cause headaches, dizziness, drowsiness, unconsciousness, and other central nervous system effects.
Sensitization:	No information available
Neurological Effects	No information available.
Mutagenic Effects Reproductive Effects	No information available. No information available.
Developmental Effects	No information available.
Target Organ Effects	No information available.
STOT - repeated exposure	No information available.
STOT - single exposure	No information available.
Other adverse effects	No information available.

**Aspiration Hazard** 

May be harmful if swallowed and enters airways. Small amounts of this product aspirated into the respiratory system during ingestion or vomiting may cause mild to severe pulmonary injury, possibly progressing to death.

### Numerical measures of toxicity

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

ATEmix (oral)	6743 mg/kg
ATEmix (dermal)	4151 mg/kg
ATEmix (inhalation-dust/mist)	12.6 mg/L
ATEmix (inhalation-vapor)	78 mg/Ľ

Acute Toxicity Component

Solvent naphtha (petroleum), heavy aromatic LD50 Dermal: > 2 mL/kg (Rabbit) LC50 Inhalation (Vapor): > 590 mg/m<sup>3</sup> (Rat, 4 hr.) Distillates, petroleum, hydrotreated light LD50 Oral: > 5,000 mg/kg (Rat) LD50 Dermal: > 3,000 mg/kg (Rabbit) Acetone LD50 Oral: 5800 mg/kg (Rat)

Solvent naphtha, petroleum, light aromatic LD50 Oral: 8400 mg/kg (Rat) n-Butyl acetate LD50 Oral: 10768 mg/kg (Rat) LD50 Dermal: > 17600 mg/kg (Rabbit) LC50 Inhalation (Vapor): 390 ppm (Rat, 4 hr.) Sensitization: non-sensitizing (guinea pig) 2-Butoxyethanol LD50 Oral: 470 mg/kg (Rat) LD50 Dermal: 220 mg/kg (Rabbit) LC50 Inhalation (Vapor): 450 ppm (Rat, 4 hr.) 1,2,4-Trimethylbenzene LD50 Oral: 5000 mg/kg (Rat) LC50 Inhalation (Vapor): 18000 mg/m<sup>3</sup> (Rat, 4 hr.) Stoddard solvent LD50 Oral: > 5,000 mg/kg (Rat) LD50 Dermal: > 3160 mg/kg (Rabbit) LC50 Inhalation (Vapor): > 6.1 mg/L (Rat) **Xvlene** LD50 Oral: 4300 mg/kg (Rat) LD50 Dermal: > 1700 mg/kg (Rabbit) LC50 Inhalation (Vapor): 5000 ppm (Rat, 4 hr.) Naphthalene LD50 Oral: 969 mg/kg (Rat) LD50 Dermal: > 20,000 mg/kg (Rabbit) LC50 Inhalation (Vapor): > 340 mg/m<sup>3</sup> (Rat, 1 hr.) Ethyl benzene LD50 Oral: 3500 mg/kg (Rat) LD50 Dermal: > 5000 mg/kg (Rabbit) LC50 Inhalation (Vapor): 55000 mg/m<sup>3</sup> (Rat, 2 hr.) Cumene LD50 Oral: > 1400 mg/kg (Rat) LD50 Dermal: 12300 µL/kg (Rabbit) LC50 Inhalation (Vapor): 39000 mg/kg (Rat, 4 hr.) Carbon black LD50 Oral: > 15400 mg/kg (Rat) LD50 Dermal: > 3000 mg/kg (Rabbit)

## **Carcinogenicity**

The information below indicates whether each agency has listed any ingredient as a carcinogen:.

Chemical Name	IARC	NTP	OSHA Carcinogen
Naphthalene	2B - Possible Human Carcinogen	Reasonably Anticipated Human Carcinogen	Listed
Ethyl benzene	2B - Possible Human Carcinogen		Listed
Cumene	2B - Possible Human Carcinogen		Listed
Carbon black	2B - Possible Human Carcinogen		Listed

#### Legend

IARC - International Agency for Research on Cancer NTP - National Toxicity Program OSHA - Occupational Safety & Health Administration

12. ECOLOGICAL INFORMATION

## **Ecotoxicity Effects**

The environmental impact of this product has not been fully investigated.

### Product Information

#### Acute Toxicity to Fish

No information available

# Acute Toxicity to Aquatic Invertebrates

No information available

### Acute Toxicity to Aquatic Plants

No information available

#### Persistence / Degradability

No information available.

## **Bioaccumulation / Accumulation**

No information available.

#### Mobility in Environmental Media

No information available.

## Ozone

Not Applicable

## **Component**

#### Acute Toxicity to Fish

Acetone LC50: 8300 (Bluegill - 96 hr.) mg/L <u>n-Butyl acetate</u> LC50: 18 mg/L (Fathead Minnow - 96 hr.) <u>2-Butoxyethanol</u> LC50: 1490 mg/L (Bluegill sunfish - 96 hr.) <u>Xylene</u> LC50: 13.5 mg/L (Rainbow Trout - 96 hr.) <u>Ethyl benzene</u> LC50: 12.1 mg/L (Fathead Minnow - 96 hr.)

#### Acute Toxicity to Aquatic Invertebrates

Acetone EC50: 12600 mg/L (Daphnia magna - 48 hr.) <u>n-Butyl acetate</u> EC50: 72.8 mg/L (Daphnia magna - 48 hr.) <u>Ethyl benzene</u> EC50: 1.8 mg/L (Daphnia magna - 48 hr.)

### Acute Toxicity to Aquatic Plants

<u>n-Butyl acetate</u> EC50: 674.7 mg/L (Green algae (Scenedesmus subspicatus), 72 hrs.) Ethyl benzene EC50: 4.6 mg/L (Green algae (Scenedesmus subspicatus), 72 hrs.)

## 13. DISPOSAL CONSIDERATIONS

Waste Disposal Method	Dispose of in accordance with federal, state, provincial, and local regulations. Local requirements may vary, consult your sanitation department or state-designated environmental protection agency for more disposal options.
Empty Container Warning	Emptied containers may retain product residue. Follow label warnings even after container is emptied. Residual vapors may explode on ignition.

## 14. TRANSPORT INFORMATION

DOT Proper Shipping Name Hazard Class UN-No Packing Group Description	Paint 3 UN1263 II UN1263, Paint, 3, II,
ICAO / IATA	Contact the preparer for further information.
IMDG / IMO	Contact the preparer for further information.

15. REGULATORY INFORMATION

## International Inventories

DSL: Canada	Yes - All components are listed or exempt.
TSCA: United States	Yes - All components are listed or exempt.

## **Federal Regulations**

### 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

#### **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 % (max)	CERCLA/SARA 313 (de minimis concentration)
2-Butoxyethanol	111-76-2	5	1.0
1,2,4-Trimethylbenzene	95-63-6	5	1.0
Xylene	1330-20-7	5	1.0
Naphthalene	91-20-3	1	0.1
Ethyl benzene	100-41-4	0.5	0.1
Chromate(1-),bis[methyl	71839-85-5	0.5	0.1
N-[7-(hydroxy-kO)-8-[2-[2-(hydroxy-kO)			
-5-(methylsulfonyl)phenyl]diazenyl-kN1			

]-1-naphthalenyl]carbamato(2-)]

#### Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)

This product contains the following HAPs:

Chemical Name	CAS-No	Weight % (max)	<u>Hazardous Air Pollutant</u> (HAP)
2-Butoxyethanol	111-76-2	5	Listed
Xylene	1330-20-7	5	Listed
Naphthalene	91-20-3	1	Listed
Ethyl benzene	100-41-4	0.5	Listed
Cumene	98-82-8	0.5	Listed

## State Regulations

#### **California Proposition 65**

This product may contain small amounts of materials known to the state of California to cause cancer or reproductive harm.

#### State Right-to-Know

Chemical Name	Massachusetts	New Jersey	Pennsylvania
Acetone	X	Х	Х
n-Butyl acetate	X	Х	Х
2-Butoxyethanol	X	Х	Х
1,2,4-Trimethylbenzene	X	Х	Х
Stoddard solvent	X	Х	Х
Xylene	X	Х	Х
Naphthalene	X	Х	Х
Ethyl benzene	X	Х	Х
Cumene	X	Х	Х
Carbon black	X	Х	Х

#### Legend

X - Listed

## 16. OTHER INFORMATION

HMIS

Health: 1\* Flammability: 3 Reactivity: 0

PPE: -

#### **HMIS Legend**

- 0 Minimal Hazard
- 1 Slight Hazard
- 2 Moderate Hazard
- 3 Serious Hazard
- 4 Severe Hazard
- \* Chronic Hazard
- X Consult your supervisor or S.O.P. for "Special" handling instructions.

Note: The PPE rating has intentionally been left blank. Choose appropriate PPE that will protect employees from the hazards the material will present under the actual normal conditions of use.

Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings are not required on MSDSs under 29 CFR 1910.1200, the preparer, has chosen to provide them. HMIS® ratings are to be used only in conjunction with a fully implemented HMIS® program by workers who have received appropriate HMIS® training. HMIS® is a registered trade and service mark of the NPCA. HMIS® materials may be purchased exclusively from J. J. Keller (800) 327-6868.

**WARNING!** If you scrape, sand, or remove old paint, you may release lead dust. LEAD IS TOXIC. EXPOSURE TO LEAD DUST CAN CAUSE SERIOUS ILLNESS, SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE. Wear a NIOSH approved respirator to control lead exposure. Clean up carefully with a HEPA vacuum and a wet mop. Before you start, find out how to protect yourself and your family by contacting the National Lead Information Hotline at 1-800-424-LEAD or log on to www.epa.gov/lead.

Prepared By	Product Stewardship Department Benjamin Moore & Co. 101 Paragon Drive Montvale, NJ 07645 855-724-6802
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#### Disclaimer

The information contained herein is presented in good faith and believed to be accurate as of the effective date shown above. This information is furnished without warranty of any kind. Employers should use this information only as a supplement to other information gathered by them and must make independent determination of suitability and completeness of information from all sources to assure proper use of these materials and the safety and health of employees. Any use of this data and information must be determined by the user to be in accordance with applicable federal, provincial, and local laws and regulations.

#### **END OF SAFETY DATA SHEET**