



LENMAR[®]

SAFETY DATA SHEET

Revision Date: 25-Aug-2015

Revision Number: 1

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name QUICKSTAIN ALKYD WIPING STAIN BLACKBERRY
Product Code 1AS-1216
Alternate Product Code TE6059
Product Class STAIN
Color Black
Recommended use Stain
Restrictions on use 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

Eyes

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

1.66694% of the mixture consists of ingredient(s) of unknown toxicity

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 | 10 |
| 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 |
| Stoddard solvent | 8052-41-3 | 5 |
| 2-Butoxyethanol | 111-76-2 | 5 |
| VM&P naphtha | 64742-89-8 | 5 |
| 1,2,4-Trimethylbenzene | 95-63-6 | 5 |
| Propylene glycol monomethyl ether acetate | 108-65-6 | 5 |
| Xylene | 1330-20-7 | 5 |
| Naphthalene | 91-20-3 | 1 |
| Carbon black | 1333-86-4 | 1 |
| Ethyl benzene | 100-41-4 | 0.5 |
| Cumene | 98-82-8 | 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. |
| Protection Of First-Aiders | Use personal protective equipment. |
| Most Important Symptoms/Effects | No information available. |
| Notes To Physician | Treat symptomatically. |

5. FIRE-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 | 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 Chemical | 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) | 52 |
| Flash Point (°C) | 11 |
| Flash Point Method | PMCC |
| Flammability Limits In Air | |
| Lower Explosion Limit | Not available |
| Upper Explosion Limit | 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

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. |
| Other Information | Prevent further leakage or spillage if safe to do so. Do not allow material to contaminate ground water system. Prevent product from entering drains. Do not flush into surface water or sanitary sewer system. 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 | <p>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.</p> <p>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.</p> |
| Storage | <p>Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away 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.</p> <p>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.</p> |
| Incompatible Materials | No information available |
| Technical measures/Precautions | <p>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.</p> <p>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.</p> |

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limits

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

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 Long sleeved clothing. Protective gloves.
Respiratory Protection 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 liquid
Odor solvent
Odor Threshold No information available
Density (lbs/gal) 7.4 - 7.5
Specific Gravity 0.88 - 0.90

| | |
|--|--------------------------|
| pH | No information available |
| Viscosity (cps) | No information available |
| Solubility | No information available |
| Water Solubility | No information available |
| Evaporation Rate | No information available |
| Vapor Pressure | No information available |
| Vapor Density | No information available |
| Wt. % Solids | 35 - 45 |
| Vol. % Solids | 30 - 40 |
| Wt. % Volatiles | 55 - 65 |
| Vol. % Volatiles | 60 - 70 |
| VOC Regulatory Limit (g/L) | <550 |
| Boiling Point (°F) | 132 |
| Boiling Point (°C) | 56 |
| Freezing Point (°F) | No information available |
| Freezing Point (°C) | No information available |
| Flash Point (°F) | 52 |
| Flash Point (°C) | 11 |
| Flash Point Method | PMCC |
| Flammability (solid, gas) | Not applicable |
| Upper Explosion Limit | No information available |
| Lower Explosion Limit | No information available |
| Autoignition Temperature (°F) | No information available |
| Autoignition Temperature (°C) | No information available |
| Decomposition Temperature (°F) | No information available |
| Decomposition Temperature (°C) | No information available |
| Partition Coefficient (n-octanol/water) | 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 effects

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 No information available.
Reproductive Effects 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

Unknown Acute Toxicity 1.66694% of the mixture consists of ingredient(s) of unknown toxicity

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

ATEmix (oral) 7116 mg/kg
ATEmix (dermal) 4363 mg/kg
ATEmix (inhalation-dust/mist) 13.2 mg/L
ATEmix (inhalation-vapor) 83 mg/L

Acute Toxicity

Component

Solvent naphtha (petroleum), heavy aromatic
LD50 Dermal: > 2 mL/kg (Rabbit)
LC50 Inhalation (Vapor): > 590 mg/m³ (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)

Stoddard solvent

LD50 Oral: > 5,000 mg/kg (Rat)

LD50 Dermal: > 3160 mg/kg (Rabbit)

LC50 Inhalation (Vapor): > 6.1 mg/L (Rat)

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/m³ (Rat, 4 hr.)

Propylene glycol monomethyl ether acetate

LD50 Oral: 8532 mg/kg (Rat)

LD50 Dermal: > 5000 mg/kg (Rabbit)

LC50 Inhalation (Vapor): > 4345 ppm

Xylene

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/m³ (Rat, 1 hr.)

Carbon black

LD50 Oral: > 15400 mg/kg (Rat)

LD50 Dermal: > 3000 mg/kg (Rabbit)

Ethyl benzene

LD50 Oral: 3500 mg/kg (Rat)

LD50 Dermal: > 5000 mg/kg (Rabbit)

LC50 Inhalation (Vapor): 55000 mg/m³ (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.)

Carcinogenicity

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

| Chemical Name | IARC | NTP | OSHA Carcinogen Listed |
|---------------|--------------------------------|---|------------------------|
| Naphthalene | 2B - Possible Human Carcinogen | Reasonably Anticipated Human Carcinogen | Listed |

| | | | |
|---------------|--------------------------------|--|--------|
| Carbon black | 2B - Possible Human Carcinogen | | Listed |
| Ethyl benzene | 2B - Possible Human Carcinogen | | Listed |
| Cumene | 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

n-Butyl acetate

LC50: 18 mg/L (Fathead Minnow - 96 hr.)

2-Butoxyethanol

LC50: 1490 mg/L (Bluegill sunfish - 96 hr.)

Xylene

LC50: 13.5 mg/L (Rainbow Trout - 96 hr.)

Ethyl benzene

LC50: 12.1 mg/L (Fathead Minnow - 96 hr.)

Acute Toxicity to Aquatic Invertebrates

Acetone

EC50: 12600 mg/L (Daphnia magna - 48 hr.)

n-Butyl acetate

EC50: 72.8 mg/L (Daphnia magna - 48 hr.)

Ethyl benzene

EC50: 1.8 mg/L (Daphnia magna - 48 hr.)

Acute Toxicity to Aquatic Plants

n-Butyl acetate

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 | Paint |
| Hazard Class | 3 |
| UN-No | UN1263 |
| Packing Group | II |
| Description | 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:

| <u>Chemical Name</u> | <u>CAS-No</u> | <u>Weight % (max)</u> | <u>CERCLA/SARA 313 (de minimis concentration)</u> |
|------------------------|---------------|-----------------------|---|
| 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 |

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

This product contains the following HAPs:

| <u>Chemical Name</u> | <u>CAS-No</u> | <u>Weight % (max)</u> | <u>Hazardous Air Pollutant (HAP)</u> |
|----------------------|---------------|-----------------------|--|
| 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

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

Legend

X - Listed

16. OTHER INFORMATION

