

MATERIAL SAFETY DATA SHEET

The Valvoline Company

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 Date Prepared: 01/14/02  
 Date Printed: 07/03/06  
 MSDS No: 503.0176837-007.004

MAC'S TIRE BLEACH

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Material Identity

Product Name: MAC'S TIRE BLEACH

SAP Material No: NM4000

General or Generic ID: AUTOMOTIVE CHEMICAL

Company

The Valvoline Company  
 P.O. Box 14000  
 Lexington, KY 40512

Telephone Numbers

Emergency: 1-800-274-5263  
 Information: 1-859-357-7206

2. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient(s)	CAS Number	% (by weight)
ETHYLENE GLYCOL MONOBUTYL ETHER	111-76-2	0.0- 8.0
SODIUM METASILICATE PENTAHYDRATE	6834-92-0	0.0- 7.0
SODIUM TRIPOLYPHOSPHATE	7758-29-4	0.0- 6.0

3. HAZARDS IDENTIFICATION

Potential Health Effects

Eye

Can cause eye irritation.

Skin

Can cause skin irritation. Prolonged or repeated contact may dry and crack the skin. Passage of this material through the skin may be harmful or fatal.

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Swallowing

Swallowing small amounts of this material during normal handling is not likely to cause harmful effects. Swallowing large amounts may be harmful.

Inhalation

Breathing of vapor or mist is possible.

Symptoms of Exposure

stomach or intestinal upset (nausea, vomiting, diarrhea), irritation (nose, throat, airways).

Target Organ Effects

Overexposure to this material (or its components) has been suggested as a cause of the following effects in laboratory animals, and may aggravate preexisting disorders of these organs in humans: blood abnormalities, liver abnormalities, anemia, spleen damage, testis damage, kidney damage, lung damage.

Developmental Information

This material (or a component) has been shown to cause harm to the fetus in laboratory animal studies. Harm to the fetus occurs only at exposure levels that harm the pregnant animal. The relevance of these findings to humans is uncertain.

Cancer Information

Ethylene glycol monobutyl ether has been shown to cause cancer in laboratory animals. The relevance of this finding to humans is uncertain.

Other Health Effects

No data

Primary Route(s) of Entry

Inhalation, Skin absorption, Skin contact.

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4. FIRST AID MEASURES

Eyes

If symptoms develop, immediately move individual away from exposure and into fresh air. Flush eyes gently with water for at least 15 minutes while holding eyelids apart; seek immediate medical attention.

Skin

Remove contaminated clothing. Wash exposed area with soap and water. If symptoms persist, seek medical attention. Launder clothing before reuse.

Swallowing

Seek medical attention. If individual is drowsy or unconscious, do not give anything by mouth; place individual on the left side with the head down. Contact a physician, medical facility, or poison control center for advice about whether to induce vomiting. If possible, do not leave individual unattended.

Inhalation

If symptoms develop, move individual away from exposure and into fresh air. If symptoms persist, seek medical attention. If breathing is difficult, administer oxygen. Keep person warm and quiet; seek immediate medical attention.

Note to Physicians

Preexisting disorders of the following organs ( or organ systems) may be aggravated by exposure to this material: skin.

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5. FIRE FIGHTING MEASURES

Flash Point

Not applicable

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Explosive Limit

(for component) Lower 1.1 %

Autoignition Temperature

No data

Hazardous Products of Combustion

No data

Fire and Explosion Hazards

No data

Extinguishing Media

alcohol foam, water fog.

Fire Fighting Instructions

No special precautions necessary when fighting fires involving this product.

NFPA Rating

Health - 1, Flammability - 0, Reactivity - 0

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6. ACCIDENTAL RELEASE MEASURES

Small Spill

Absorb liquid on vermiculite, floor absorbent or other absorbent material.

Large Spill

Prevent run-off to sewers, streams or other bodies of water. If run-off occurs, notify proper authorities as required, that a spill has occurred. Persons not wearing protective equipment should be excluded from area of spill until clean-up has been completed. Stop spill at source, dike area of spill to prevent spreading, pump liquid to salvage tank. Remaining liquid may be taken up on sand, clay, earth, floor absorbent, or other absorbent material and shoveled into containers.

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7. HANDLING AND STORAGE

Handling

Containers of this material may be hazardous when emptied. Since emptied containers retain product residues (vapor, liquid, and/or solid), all hazard precautions given in the data sheet must be observed.

Storage

Not applicable

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8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Eye Protection

Wear safety glasses in compliance with OSHA regulations. (Consult your safety representative.)

Skin Protection

Wear resistant gloves (consult your safety equipment supplier).  
Wear normal work clothing covering arms and legs.

Respiratory Protections

Not required under normal conditions of use.

Engineering Controls

Not required under normal conditions of use.

Exposure Guidelines

Component

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ETHYLENE GLYCOL MONOBUTYL ETHER (111-76-2)

OSHA VPEL 25.000 ppm - TWA ((Skin))

ACGIH TLV 20.000 ppm - TWA ((Skin))

SODIUM METASILICATE PENTAHYDRATE (6834-92-0)

No exposure limits established

SODIUM TRIPOLYPHOSPHATE (7758-29-4)

No exposure limits established

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9. PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point

(for product) 212.0 F (100.0 C) @ 760.00 mmHg

Vapor Pressure

(for component) 17.500 mmHg @ 68.00 F

Specific Vapor Density

> 1.000 @ AIR=1

Specific Gravity

No data

Liquid Density

No data

Percent Volatiles (Including Water)

No data

Evaporation Rate

SLOWER THAN ETHYL ETHER

Appearance

No data

State

LIQUID

Physical Form

HOMOGENEOUS SOLUTION

Color

CLEAR, BLUE

Odor

No data

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pH

11.0 - 11.3

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10. STABILITY AND REACTIVITY

Hazardous Polymerization

Product will not undergo hazardous polymerization.

Hazardous Decomposition

No data

Chemical Stability

Stable.

Incompatibility

Avoid contact with: strong mineral acids.

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11. TOXICOLOGICAL INFORMATION

No data

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12. ECOLOGICAL INFORMATION

No data

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13. DISPOSAL CONSIDERATION

Waste Management Information

Dispose of in accordance with all applicable local, state and federal regulations.

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14. TRANSPORT INFORMATION

DOT Information - 49 CFR 172.101  
DOT Description:  
Not Regulated  
Container/Mode:  
CASES/SURFACE - NO EXCEPTIONS  
NOS Component:  
None  
RQ (Reportable Quantity) - 49 CFR 172.101  
Not applicable

15. REGULATORY INFORMATION

US Federal Regulations  
CERCLA RQ - 40 CFR 302.4  
Component Component  
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PENTASODIUM TRIPHOSPHATE 5000  
SARA 302 Components - 40 CFR 355 Appendix A  
None  
Section 311/312 Hazard Class - 40 CFR 370.2  
Immediate(X) Delayed(X) Fire( ) Reactive( ) Sudden  
Release of Pressure( )  
SARA 313 Components - 40 CFR 372.65  
Section 313 Component(s) CAS Number  
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ETHYLENE GLYCOL MONOBUTYL ETHER 111-76-2

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International Regulations

Inventory Status  
Not determined  
State and Local Regulations  
California Proposition 65  
None  
New Jersey RTK Label Information  
2-BUTOXY ETHANOL 111-76-2  
SODIUM PHOSPHATE, TRIBASIC 7758-29-4  
Pennsylvania RTK Label Information  
ETHANOL, 2-BUTOXY- 111-76-2  
TRIPHOSPHORIC ACID, PENTASODIUM SALT 7758-29-4

16. OTHER INFORMATION

The information accumulated herein is believed to be accurate but is not warranted to be whether originating with the company or not. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances.



