

MATERIAL SAFETY DATA SHEET

Ashland

Page 001  
Date Prepared: 07/10/03  
Date Printed: 08/28/03  
MSDS No: 999.0057979 008.005

WS 7833 A

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Material Identity  
Product Name: WS 7833 A  
General or Generic ID: SOLVENT BLEND

Company  
Ashland  
Ashland Distribution Co. &  
Ashland Specialty Chemical Co.  
P. O. Box 2219  
Columbus, OH 43216  
614-790-3333

Emergency Telephone Number:  
1-800-ASHLAND (1-800-274-5263)  
24 hours everyday

Regulatory Information Number:  
1-800-325-3751

2. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient(s)	CAS Number	% (by volume)
XYLENE	1330-20-7	52.0
ACETONE	67-64-1	46.0- 50.0
ETHYLBENZENE	100-41-4	9.0- 10.0

3. HAZARDS IDENTIFICATION

Potential Health Effects

Eye  
Can cause eye irritation. Symptoms include stinging, tearing, redness, and swelling of eyes. Additional symptoms of eye exposure may include: blurred vision.

Skin  
Can cause skin irritation. Prolonged or repeated contact may dry the skin. Symptoms may include redness, burning, and drying and cracking of skin, burns and other skin damage. Additional symptoms of skin contact may include: skin blistering. Passage of this material into the body through the skin is possible, but it is unlikely that this would result in harmful effects during safe handling and use.

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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. This material can get into the lungs during swallowing or vomiting. This results in lung inflammation and other lung injury.

## Inhalation

Breathing of vapor or mist is possible. Breathing small amounts of this material during normal handling is not likely to cause harmful effects. Breathing large amounts may be harmful. Symptoms usually occur at air concentrations higher than the recommended exposure limits (See Section 8).

## Symptoms of Exposure

Signs and symptoms of exposure to this material through breathing, swallowing, and/or passage of the material through the skin may include: redness of the face and neck, mouth and throat irritation (soreness, dry or scratchy feeling, cough), stomach or intestinal upset (nausea, vomiting, diarrhea), irritation (nose, throat, airways), central nervous system excitation (giddiness, liveliness, light-headed feeling) followed by central nervous system depression (dizziness, drowsiness, weakness, fatigue, nausea, headache, unconsciousness) and other central nervous system effects, respiratory depression (slowing of the breathing rate), shortness of breath, loss of coordination, confusion, irregular heartbeat, high blood sugar, coma.

## Target Organ Effects

This material (or a component) shortens the time of onset or worsens the liver and kidney damage induced by other chemicals. Overexposure to this material (or its components) has been suggested as a cause of the following effects in laboratory animals: mild, reversible liver effects, kidney damage, effects on hearing.

## Developmental Information

This material (or a component) has been shown to cause birth defects in laboratory animal studies. The relevance of these findings to humans is uncertain.

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Cancer Information

Ethylbenzene has been shown to cause cancer in laboratory animals. The relevance of this finding to humans is uncertain. IARC (International Agency for Research on Cancer) has classified ethylbenzene as a possible human carcinogen.

## Other Health Effects

No data

## Primary Route(s) of Entry

Inhalation, Skin absorption, Skin contact, Eye contact, Ingestion.

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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. Flush exposed area with large amounts of water. If skin is damaged, seek immediate medical attention. If skin is not damaged and 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.

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## Note to Physicians

Inhalation of high concentrations of this material, as could occur in enclosed spaces or during deliberate abuse, may be associated with cardiac arrhythmias. Sympathomimetic drugs may initiate cardiac arrhythmias in persons exposed to this material. This material is an aspiration hazard. Potential danger from aspiration must be weighed against possible oral toxicity (See Section 3 - Swallowing) when deciding whether to induce vomiting. This material (or a component) has produced hyperglycemia and ketosis following substantial ingestion. Preexisting disorders of the following organs (or organ systems) may be aggravated by exposure to this material: skin, lung (for example, asthma like conditions), liver, kidney, auditory system. Individuals with pre-existing heart disorders may be more susceptible to arrhythmias (irregular heartbeats) if exposed to high concentrations of this material.

## 5. FIRE FIGHTING MEASURES

## Flash Point

&lt; -1.0 F (-18.3 C) TCC

## Explosive Limit

(for component) Lower 1.0 Upper 1.0 %

## Autoignition Temperature

No data

## Hazardous Products of Combustion

May form: carbon dioxide and carbon monoxide, various hydrocarbons.

## Fire and Explosion Hazards

Material is highly volatile and readily gives off vapors which may travel along the ground or be moved by ventilation and ignited by pilot lights, other flames, sparks, heaters, smoking, electric motors, static discharge, or other ignition sources at locations distant from material handling point. Never use welding or cutting torch on or near drum (even empty) because product (even just residue) can ignite explosively.

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## Extinguishing Media

regular foam, carbon dioxide, dry chemical.

## Fire Fighting Instructions

Wear a self-contained breathing apparatus with a full facepiece operated in the positive pressure demand mode with appropriate turn-out gear and chemical resistant personal protective equipment. Refer to the personal protective equipment section of this MSDS.

## NFPA Rating

Not determined

## 6. ACCIDENTAL RELEASE MEASURES

## Small Spill

Absorb liquid on vermiculite, floor absorbent, or other absorbent material and transfer to hood.

## Large Spill

Eliminate all ignition sources (flares, flames including pilot lights, electrical sparks). Persons not wearing protective equipment should be excluded from area of spill until clean-up has been completed. Stop spill at source. Prevent from entering drains, sewers, streams or other bodies of water. Prevent from spreading. If runoff occurs, notify authorities as required. Pump or vacuum transfer spilled product to clean containers for recovery. Absorb unrecoverable product. Transfer contaminated absorbent, soil and other materials to containers for disposal. 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.

## 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. All five-gallon pails and larger metal containers, including tank cars and tank trucks, should be grounded and/or bonded when material is transferred. Warning. Sudden release of

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hot organic chemical vapors or mists from process equipment operating at elevated temperature and pressure, or sudden ingress of air into vacuum equipment, may result in ignitions without the presence of obvious ignition sources. Published "autoignition" or "ignition" temperature values cannot be treated as safe operating temperatures in chemical processes without analysis of the actual process conditions. Any use of this product in elevated temperature processes should be thoroughly evaluated to establish and maintain safe operating conditions.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

## Eye Protection

Chemical splash goggles in compliance with OSHA regulations are advised; however, OSHA regulations also permit other type safety glasses. Consult your safety representative.

## Skin Protection

Wear resistant gloves (consult your safety equipment supplier). To prevent repeated or prolonged skin contact, wear impervious clothing and boots..

## Respiratory Protections

If workplace exposure limit(s) of product or any component is exceeded (see exposure guidelines), a NIOSH/MSHA approved air supplied respirator is advised in absence of proper environmental control. OSHA regulations also permit other NIOSH/MSHA respirators (negative pressure type) under specified conditions (see your industrial hygienist). Engineering or administrative controls should be implemented to reduce exposure.

## Engineering Controls

Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below TLV(s).

## Exposure Guidelines

## Component

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## XYLENE (1330-20-7)

OSHA PEL 100.000 ppm - TWA

OSHA VPEL 100.000 ppm - TWA

OSHA VPEL 150.000 ppm - STEL

ACGIH TLV 100.000 ppm - TWA

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ACETONE TLV 150.000 ppm - STEL

ACETONE (67-64-1)  
OSHA PEL 1000.000 ppm - TWA  
OSHA VPEL 750.000 ppm - TWA  
OSHA VPEL 1000.000 ppm - STEL  
ACGIH TLV 500.000 ppm - TWA  
ACGIH TLV 750.000 ppm - STEL

ETHYLBENZENE (100-41-4)  
OSHA PEL 100.000 ppm - TWA  
OSHA VPEL 100.000 ppm - TWA  
OSHA VPEL 125.000 ppm - STEL  
ACGIH TLV 100.000 ppm - TWA  
ACGIH TLV 125.000 ppm - STEL

9. PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point  
(for component) 133.0 F (56.1 C) @ 760 mmHg

Vapor Pressure  
(for component) 185.000 mmHg @ 68.00 F

Specific Vapor Density  
> 1.000 @ AIR=1

Specific Gravity  
.833 @ 77.00 F

Liquid Density  
6.930 lbs/gal @ 77.00 F  
.833 kg/l @ 25.00 C

Percent Volatiles  
100.0 %

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Evaporation Rate  
SLOWER THAN ETHYL ETHER

Appearance  
No data

State  
LIQUID

Physical Form  
HOMOGENEOUS SOLUTION

Color  
No data

Odor  
No data

pH  
No data

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## 10. STABILITY AND REACTIVITY

Hazardous Polymerization  
Product will not undergo hazardous polymerization.

Hazardous Decomposition  
May form: carbon dioxide and carbon monoxide, various hydrocarbons.

Chemical Stability  
Stable.

Incompatibility  
Avoid contact with: strong acids, strong oxidizing agents.

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## 11 TOXICOLOGICAL INFORMATION

No data

## 12 ECOLOGICAL INFORMATION

No data

## 13 DISPOSAL CONSIDERATION

## Waste Management Information

Dispose of in accordance with all applicable local, state and federal regulations. For assistance with your waste management needs - including disposal, recycling and waste stream reduction, contact Ashland Distribution Company, IC&S Environmental Services Group at 800-637-7922.

## 14 TRANSPORT INFORMATION

DOT Information 49 CFR 172.101

DOT Description:

PAINT RELATED MATERIAL, 3, UN1263, II

Container/Mode:

55 GAL DRUM/TRUCK PACKAGE

NOS Component:

None

RQ (Reportable Quantity) - 49 CFR 172.101

Product Quantity (lbs) Component

184	XYLENES (O-, M-, P- ISOMERS)
9680	ETHYLBENZENE
10959	ACETONE

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## Other Transportation Information

The DOT Transport Information may vary with the container and mode of shipment.

## 15 REGULATORY INFORMATION

## US Federal Regulations

TECA (Toxic Substances Control Act) Status

TECA (UNITED STATES) The intentional ingredients of this product are listed.

CERCLA RC - 40 CFR 302.4(a)

Component	RC (lbs)
XYLENES (O-, M , P- ISOMERS)	100
ACETONE	5000
ETHYLBENZENE	1000

SARA 302 Components - 40 CFR 355 Appendix A  
None

Section 311/312 Hazard Class - 40 CFR 370.2

Immediate(X) Delayed(X) Fire(X) Reactive( ) Sudden  
Release of Pressure( )

SARA 313 Components - 40 CFR 372.65

Section 313 Component(s)	CAS Number	%
XYLENE (MIXED ISOMERS)	1330-20-7	52.00
ETHYLBENZENE	100-41-4	10.40

OSHA Process Safety Management 29 CFR 1910  
None listed

EPA Accidental Release Prevention 40 CFR 68  
None listed

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International Regulations  
Inventory Status  
Not determined

## State and Local Regulations

## California Proposition 65

The following statement is made in order to comply with the California Safe Drinking Water and Toxic Enforcement Act of 1986: This product contains the following substance(s) known to the state of California to cause cancer.

BENZENE

The following statement is made in order to comply with the California Safe Drinking Water and Toxic Enforcement Act of 1986: This product contains the following substance(s) known to the state of California to cause reproductive harm.

BENZENE

TOLUENE

## New Jersey RTK Label Information

XYLENES	1330-20-7
ACETONE	67-64-1
ETHYL BENZENE	100-41-4

## Pennsylvania RTK Label Information

BENZENE, DIMETHYL-	1330-20-7
2-PROPANONE	67-64-1
BENZENE, ETHYL-	100-41-4

## 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.

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SOURCE: ASHLAND INC WTR EASYWTR