

# SAFETY DATA SHEET

## AS-128 DISSOLVES ALL CITRUS

### SECTION 1- PRODUCT IDENTIFICATION

**PRODUCT NAME** : AS-128 DISSOLVES ALL CITRUS  
**SYNONYMS** : Product is a mixture: No synonyms are available.  
**PRODUCT USE** : Moderately Alkaline Material  
**SUPPLIER** : WESMAR CO. INC.  
**SUPPLIER'S ADDRESS** : 5720 204<sup>TH</sup> ST SW, LYNNWOOD, WA 98036  
(206) 783-5344  
**EMERGENCY RESPONSE PHONE** : PERS: 1-800-633-8253



### SECTION 2 – HAZARD IDENTIFICATION

#### CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

**GHS U.S. – CLASSIFICATION** : H302 Harmful if swallowed.  
H315 Causes skin irritation  
H319 Causes serious eye irritation

**LABEL ELEMENTS** : **GHS – US HAZARD PICTOGRAMS** The product is classified and labeled according to the Globally Harmonized System (GHS).

**HAZARD PICTOGRAMS** :

**SIGNAL WORD** : WARNING

**HAZARD STATEMENTS (GHS-US)** : H302 Harmful if swallowed.  
: H315 Causes skin irritation.  
: H319 Causes serious eye irritation.

**PRECAUTIONARY STATEMENTS (GHS-US)** : P101 If medical advice is needed, have product container or label at hand.  
: P102 Keep out of reach of children.  
: P103 Read label before use.  
: P264 Wash skin and contaminated clothing thoroughly after handling.  
: P270 Do not eat, drink or smoke when using this product.  
: P280 Wear suitable protective gloves/protective clothing/eye protection/face protection.  
: P301+P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.  
: P302+P352 : IF ON SKIN: Wash with plenty of soap and water.  
: P305+351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
: P332+P313 If skin irritation occurs: Get medical advice/attention.  
: P337+P313 If eye irritation persists: Get medical advice/attention.  
: P501 Dispose of contents/container in accordance with local/regional/national/international regulations

**OSHA HAZARDS** : Not applicable.

**TARGET ORGANS** : Not applicable.

**CLASSIFICATION SYSTEM** : NFPA/HMIS Definitions: 0-Least, 1-Slight, 2-Moderate, 3-High, 4-Extreme.

**NFPA RATINGS (SCALE 0-4)** : Health = 2, Fire = 0, Reactivity = 0

**HMIS RATINGS (SCALE 0-5)** : Health = 2, Fire = 0, Reactivity = 0

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### SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

**CHEMICAL CHARACTERISTIC** : Mixtures  
**DESCRIPTION** : Mixture of the substances listed below with nonhazardous additions.

COMPONENT	PERCENT	CAS #	EINECS #	GHS CLASSIFICATION
Monoethanolamine	1-5	141-43-5	200-659-6	Skin Corr Cat 1B
Ethylene Glycol Monobutyl Ether	1-5	111-76-2	203-905-0	Acute Oral Tox Cat 4, Eye Irrit Cat 2A, Skin Irrit Cat 2
Sodium Xylene Sulfonate	1-5	1300-72-7	215-090-9	Skin Irrit Cat 2, Eye Irrit Cat 2A
Nonylphenol, Ethoxylate	1-5	127087-87-0	500-315-8	Eye Dam Cat 1, Aquatic Hazard (Long Term) Cat 3
D-Limonene (citrus terpenes)	1-5	5989-27-5	227-813-5	Flam Liq Cat 3, Acute Tox Oral Cat 5, Skin Irrit Cat 2, Eye Irrit Cat 2A, Skin Sens Cat 1, Acute Tox Aquatic Cat1

Irrit. = Irritation, Corr. = Corrosion, Cat. = Category, Dam = Damage, Tox = Toxic, STOT SE = Single Target Organ Toxicity Single exposure.

### SECTION 4 – FIRST AID MEASURES

#### DESCRIPTION OF FIRST AID MEASURES

**GENERAL** : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice. Show the label where possible.

**EYE CONTACT** : Immediately flush eyes with water for at least 15 minutes. Hold eyelids open to ensure adequate flushing. Get immediate medical attention.

**SKIN CONTACT** : Remove contaminated clothing and shoes. Wash affected skin area with soap and water. Delayed skin damage is possible if product is not completely washed off. Get immediate medical attention.

**SWALLOWING (INGESTION)** : If ingested, dilute swallowed material by drinking water. DO NOT INDUCE VOMITING. If vomiting occurs spontaneously, keep airway clear. Give more water when vomiting stops. Never give anything by mouth to an unconscious person. Get immediate medical attention.

**INHALATION** : Remove to fresh air. Get immediate medical attention.

**OTHER INSTRUCTIONS** : Rescue personnel must wear appropriate protective equipment during removal of victims from contaminated areas. Treat symptomatically and supportively.

### SECTION 5 – FIRE FIGHTING MEASURES

**EXTINGUISHING MEDIA** : Dry chemical, foam, water or carbon dioxide.

**SPECIAL PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIRE FIGHTERS** : In the event of a fire, wear a NIOSH (USA) or CEN (EU) approved, positive pressure, self-contained breathing apparatus (SCUBA) and full protective clothing. Evacuate all non-essential personnel from the danger area.

**UNUSUAL FIRE AND EXPLOSION HAZARDS** : No further relevant information is available.

### SECTION 6 – ACCIDENTAL RELEASE MEASURES

**PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT & EMERGENCY PROCEDURES** : Restrict access to keep out unauthorized or unprotected personnel. Wear protective equipment. Avoid inhalation and direct contact.

**ENVIRONMENTAL PROCEDURES** : Keep spilled material away from sewage/drainage systems and waterways.

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**METHODS AND MATERIALS FOR CONTAINMENT AND CLEAN-UP** : All clean-up personnel must be properly trained. Confine the spill and remove incompatible materials and ignition sources. Ensure adequate ventilation. Secure the source of the leak if conditions are safe. Neutralize spill and collect using an appropriate absorbent material such as clay or vermiculite. Place waste in an appropriate container for disposal. Use care during clean-up to avoid exposure to the material and injury from broken containers.

### SECTION 7 – HANDLING AND STORAGE

**PRECAUTIONS FOR SAFE HANDLING** : Use with adequate ventilation. Wear proper protective equipment. Do not mix with water or acids without proper dilution and agitation to prevent a potentially violent reaction.

**CONDITIONS FOR SAFE STORAGE** : Store in closed, properly labeled containers. Protect containers from heat, physical damage, ignition sources and incompatible materials. Have emergency equipment for fires and spills readily available.



### SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

**TLV (THRESHOLD LIMIT VALUE)** : The TLV in section in section III is the ACGIH/TLV-TWA (threshold limit value/time weighted average concentration for an eight hour work day). The STEL is the short term exposure limit and the (Ceil) is the ceiling limit.

COMPONENT	OSHA PEL – TWA	ACGIH – TLV	ACGIH – STEL
Monoethanolamine	Not Established	Not Established	Not Established
Ethylene Glycol Monobutyl Ether	50 ppm	20 ppm	Not Established
Sodium Xylene Sulfonate	Not Established	Not Established	Not Established
Nonylphenol, Ethoxylate	Not Established	Not Established	Not Established
D-Limonene (citrus terpenes)	Not Established	Not Established	Not Established

**EYE PROTECTION** : Wear chemical splash goggles or face shield.

**SKIN PROTECTION** : Minimize contact with product. Wear chemical resistant coveralls, boots, gloves, apron and/or suitable long-sleeved clothing.

**RESPIRATORY PROTECTION** : In case of brief exposure use respiratory filter device. In case of intensive or longer exposure, use respiratory protective device that is independent of circulating air.

**VENTILATION** : Ensure adequate ventilation.

**ADDITIONAL MEASURES** : Emergency eyewash and safety shower facilities should be available in the immediate work area.

**REQUIRED WORK/HYGIENE** : Wash hands thoroughly after handling. Keep away from all food stuffs, beverages and feed. Do not eat, drink or smoke in work area.

### SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

**APPEARANCE** : Clear liquid

**ODOR** : Mild Citrus Odor

**ODOR THRESHOLD** : Not available

**PH** : 12.0 - 12.5

**MELTING POINT/FREEZING POINT** : Not available

**BOILING POINT** : Approx. 212° F.

**FLASH POINT** : Non flammable, non combustible

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EVAPORATION RATE	: Not available
FLAMMABILITY	: Non flammable-Non combustible
LOWER FLAMMABILITY LIMIT	: Not available
UPPER FLAMMABILITY LIMIT	: Not available
VAPOR PRESSURE	: Not available
VAPOR DENSITY (AIR=1)	: Not available
RELATIVE DENSITY	: 1.0
SOLUBILITY IN WATER	: Soluble in water
PARTITION COEFFICIENT n- OCTANOL/WATER	: Not available
AUTOIGNITION TEMPERATURE	: Not available
DECOMPOSITION TEMPERATURE	: Not available

### SECTION 10 – STABILITY AND REACTIVITY

STABILITY	: Stable under recommended storage conditions.
HAZARDOUS CONDITIONS TO AVOID	: No decomposition if used according to specifications
INCOMPATIBLE MATERIALS	: Keep away from strong acids.
HAZARDOUS DECOMPOSITION PRODUCTS	: No dangerous decomposition products known.

### SECTION 11 – TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION ACUTE TOXICITY	: <b>Monoethanolamine</b> LD50 rat (oral): 1,515 mg/kg, LC50 rat (by inhalation): > 1.3 mg/l 6 h (IRT) The European Union (EU) has classified this substance as 'harmful'. The vapor was tested. LD50 rabbit (dermal): 2,504 mg/kg (OECD Guideline 402)
TOXICOLOGICAL INFORMATION ACUTE ORAL TOXICITY	: <b>Ethylene Glycol Monobutyl Ether</b> LD50 Oral: 1,414 mg/kg Species: guinea pig Remarks: Ingestion may cause weakness, confusion, anxiety, decreased blood pressure, and CNS depression with collapse and coma. LD50 Oral (rat): 1746 mg/kg.
ACUTE INHALATION TOXICITY	: LC50: ~ 932 ppm Exposure time: 4 HOURS Species: guinea pig Remarks: Exposure to vapor may cause irritation of the eyes, nose, and respiratory tract. May cause nausea. May cause headaches. Extensive and prolonged contact with skin may cause confusion, anxiety, decreased blood pressure, and CNS depression with collapse and coma. LC50 Inhalation (rat) 7hr: ~ 700 ppm.
ACUTE DERMAL TOXICITY	: LD50: > 2,000 mg/kg Species: guinea pig Remarks: Minimal hazard by skin contact with liquid or vapor. This material may be absorbed through the skin. High dermal doses (most likely achieved from exposure to undiluted liquid) may cause weakness, headache and nausea. Extensive and prolonged contact with skin may cause confusion, anxiety, decreased blood pressure, and CNS depression with collapse and coma.
IRRITATION	: Skin: Repeated or prolonged contact may cause skin irritation. Eyes: Moderate to severe eye irritant.
SENSITISATION	: Did not cause sensitization on lab animals.
CARCINOGENICITY	: No component of this product present at levels greater than or equal to 0.1% is identified as probable or confirmed human carcinogen by IARC, ACGIH, NTP, and OSHA.
TOXICOLOGICAL INFORMATION ROUTES OF ENTRY	: <b>Sodium Xylene Sulfonate</b> Absorbed through skin and/or eye contact.

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<b>ACUTE TOXICITY</b>	:	LD50 Oral (rat): 2500 mg/kg,
<b>CHRONIC EFFECTS ON HUMANS</b>	:	Contains material which may cause damage to the following organs: liver
<b>SPECIAL REMARKS ON TOXICITY TO ANIMALS</b>	:	TDL (rat): Route: skin; Dose: 3380 mg/kg/17D intermittent; Toxic effects: changes in liver weight TDL (rat): Route: skin; Dose: 35 gm/kg/14W intermittent; Toxic effects: dermatitis, other (skin and appendages). (Sodium Xylene Sulfonate).
<b>TOXICOLOGICAL INFORMATION</b>	:	<b>Nonylphenol, Ethoxylated</b>
<b>ACUTE TOXICITY</b>	:	LD50 Oral (rat): 16,000 mg/kg,
<b>INHALATION LC50</b>	:	No data available
<b>DERMAL LD50</b>	:	LD50 Dermal (rabbit): 4,490 mg/kg.
<b>PRIMARY SKIN IRRITATION</b>	:	Slight irritation.
<b>PRIMARY EYE IRRITATION</b>	:	No data available.
<b>CARCINOGENICITY</b>	:	This product is not considered to be a carcinogen by IARC, ACGIH, NTP or OSHA.
<b>TOXICOLOGICAL INFORMATION</b>	:	<b>D-Limonene (Citrus Terpenes)</b>
<b>ACUTE TOXICITY</b>	:	LD50 Oral (rat): >5000 mg/kg. LD50 Dermal (rabbit): >5,000 mg/kg, RD50 Inhalation (mice): > 1,000 mg/kg.
<b>IRRITATION</b>	:	Prolonged or repeated exposure can cause drying or dermatitis of skin.
<b>BIOACCUMULATION</b>	:	No appreciable bio-concentration is expected in the environment.
<b>CARCINOGENICITY</b>	:	This product is not classified as a carcinogen by OSHA, IARC, ACGIH or NTP.

<b>SECTION 12 – ECOLOGICAL INFORMATION</b>
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<b>ECOLOGICAL INFORMATION</b>	:	<b>Monoethanolamine</b>
<b>ECOTOXICITY (TOXICITY TO FISH)</b>	:	LC50 (96 h) 349 mg/l, Cyprinus carpio. LC50 (96 h) 170 mg/l, Carassius auratus.
<b>ECOTOXICITY (AQUATIC INVERTABRATES)</b>	:	EC50 (48 h) 65 mg/l, Daphnia magna.
<b>ECOTOXICITY (AQUATIC PLANTS)</b>	:	EC50 (72 h) 2.5 mg/l (growth rate), Selenastrum capricornutum. EC50 (72 h) 22 mg/l (growth rate), Scenedesmus subspicatus .
<b>ECOTOXICITY: (EFFECT ON ACTIVATED SLUDGE)</b>	:	EC20 (0.5 h) > 1,000 mg/l, activated sludge, domestic.
<b>ECOLOGICAL INFORMATION</b>	:	<b>Ethylene Glycol Monobutyl Ether</b>
<b>ECOTOXICITY</b>	:	<b>Fish:</b> 96h LC50:>100 mg/L (Oryzias latipes) <b>Crustacea:</b> 48h EC50:>1000 mg/L (Daphnia magna) <b>Algae:</b> 72h EC50:630 mg/L (Selenastrum capricornutum)
<b>PERSISTENCE AND DEGRADABILITY</b>	:	96.0% (by BOD), 96.0% (by TOC), 100% (by GC).
<b>MOBILITY IN SOIL</b>	:	No data available.
<b>ECOLOGICAL INFORMATION</b>	:	<b>Sodium Xylene Sulfonate</b>
<b>ECOTOXICITY</b>	:	Not available
<b>BOD5 AND COD</b>	:	Not available
<b>PRODUCTS OF BIODEGRADATION</b>	:	Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.
<b>TOXICITY OF THE PRODUCTS OF BIODEGRADATION</b>	:	: The product itself and its products of degradation are not toxic.
<b>ECOLOGICAL INFORMATION</b>	:	<b>Ethoxylated Alcohol</b>
<b>ECOTOXICITY</b>	:	Not available.
<b>PERSISTENCE AND DEGRADABILITY</b>	:	No data available.
<b>BIOACCUMULATIVE POTENTIAL</b>	:	No data available.

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<b>ECOLOGICAL INFORMATION</b>	:	<b>D-Limonene (Citrus Terpenes)</b>
<b>ECOTOXICITY</b>	:	There is no information available at this time for this product. However, a spill may produce significant toxicity to aquatic organisms and ecosystems. Some studies have shown that certain bacteria and fungi have the ability to degrade citrus terpenes, decreasing their toxicity to fish. When spilled, this product may act as an oil, causing a film, sheen, emulsion or sludge at or beneath the surface of a body of water
<b>MOBILITY</b>	:	Citrus Terpenes volatilize rapidly.
<b>PERSISTENCE AND DEGRADABILITY</b>	:	Readily biodegradable.
<b>BIOACCUMULATIVE POTENTIAL</b>	:	Bio-concentration is not expected to occur.

### SECTION 13 – DISPOSAL CONSIDERATIONS

<b>WASTE DISPOSAL</b>	:	This product must be disposed of in accordance with Federal, state and local environmental regulations. Discarded materials may be considered hazardous waste due to pH/corrosivity. It is the responsibility of the product user to determine at the time of disposal whether a material containing, or derived from this product, should be classified as a hazardous waste.
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### SECTION 14 – TRANSPORTATION INFORMATION

<b>DOT/IMDG/ IATA PROPER SHIPPING NAME</b>	:	Not Hazardous
<b>HAZARD CLASS AND LABEL</b>	:	Not Applicable.
<b>UN NUMBER</b>	:	Not Applicable.
<b>PACKAGING GROUP</b>	:	Not Applicable.
<b>EPA REPORTABLE QUANTITY (RQ)</b>	:	Not Applicable.
<b>MARINE POLLUTANT</b>	:	Not listed.
<b>EMERGENCY RESPONSE GUIDE</b>	:	Not Applicable.

### SECTION 15 – REGULATORY INFORMATION

**U.N. GHS CLASSIFICATION & LABELING INFORMATION:** See Section 2 for GHS Hazard Information

**U.S. FEDERAL REGULATORY INFORMATION:**

<b>LISTED CARCINOGEN</b>	:	Not listed.
<b>TSCA STATUS</b>	:	The ingredients of this product are listed in TSCA inventory (40CFR 710.)
<b>SARA SECTION 302</b>	:	No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.
<b>SARA SECTION 312</b>	:	Chronic health hazard (Glycol Ether DPM).
<b>SARA SECTION 313</b>	:	This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.
<b>NFPA HEALTH</b>	:	2
<b>NFPA FLAMMABILITY</b>	:	0
<b>NFPA REACTIVITY</b>	:	0

**EUROPEAN UNION REGULATORY INFORMATION:**

<b>EC CLASSIFICATION</b>	:	Non Hazardous
<b>DSD/DPD RISK (R) PHRASES</b>	:	R22: Harmful if swallowed. R36/38: Irritating to eyes and skin.

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**DSD/DPD SAFETY (S) PHRASES** : S1/2: Keep locked up and out of reach of children.  
S24/25: Avoid contact with eyes and skin.  
S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
S36/S37/39: Wear suitable protective clothing, gloves and eye/face protection.  
S45: In case of accidents or if you feel unwell, seek medical advice immediately. Show label where possible.  
S61: Avoid release to the environment.  
S62: If swallowed, do not induce vomiting.  
S64: If swallowed, rinse mouth with water if victim is conscious.



**DSD/DPD HAZARD SYMBOL** : Xi: Irritant

### CANADIAN REGULATORY INFORMATION:

**WHMIS CATEGORY** : D2B: Materials that cause other toxic effects (TOXIC).  
**DOMESTIC SUBSTANCES LIST (DSL)** : Listed  
**INGREDIENT DISCLOSURE LIST** : Listed



### SECTION 16 – OTHER INFORMATION

**DISCLAIMER** : The information contained herein has been compiled from sources believed to be reliable and accurate to the best of our knowledge at this date. It is provided without warranty, expressed or implied, as to the results of use of this information or to the product to which it relates. Wesmar Co. assumes no responsibility for injury to any person or property resulting from any use of the material. Each user assumes the risk in their use of this product and should review the data and recommendations in the specific context of their intended use.

**CERCLA** : Comprehensive Environmental Response, Compensation, and Liability Act.  
**EINECS** : European Inventory of Existing Commercial Chemical Substances  
**IMDG** : International Maritime Code for Dangerous Goods  
**IARC** : International Agency for Research on Cancer  
**IATA** : International Air Transportation Association  
**ACGIH** : American Conference of Governmental Industrial Hygienists  
**NFPA** : National Fire Protection Association (USA)  
**NTP** : National Toxicology Program  
**SARA** : Superfund Amendments and Reauthorization Act  
**TSCA** : Toxic Substances Control Act  
**HMIS** : Hazardous Materials Identification System (USA)  
**WHMIS** : Workplace Hazardous Materials Information System  
**LC50** : Lethal concentration, 50 percent  
**LD50** : Lethal dose, 50 percent  
**STOT** : Systemic Target Organ Toxicity  
**DATE PREPARED** : DEC 29, 2015  
**DATE REVISED** : JUN 12, 2018