



## SAFETY DATA SHEET AR-92

### SECTION 1: IDENTIFICATION

Product Name: AR-92  
Product Code: K30  
Product Use: Asphalt Release Agent  
Manufacturer's Name: E-ZOIL Products, Inc.  
DBA Emulso  
Address: 234 Fillmore Avenue  
Address: Tonawanda, NY 14150 USA  
Business Phone: 855-693-9645  
Emergency Phone: 800-633-8253 PERS  
Date of Preparation: February 1, 2020  
Date of Last Revision: February 1, 2020  
Regulatory Standard: CFR29 1910.1200 HazCom 2012

### SECTION 2: HAZARDS IDENTIFICATION

GHS-US classification  
Skin Irritation 1  
Serious Eye Damage 1

Hazard pictograms (GHS-US):



Signal word (GHS-US): Danger

Hazard statements (GHS-US): Harmful or fatal if swallowed. Causes skin irritation and eye damage.

Precautionary statements (GHS-US): Do not breathe dusts or mists. Wash hands thoroughly after handling. Wear protective gloves, protective clothing/eye protection/face protection. If swallowed: Rinse mouth. Immediately call a poison center/doctor. If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse. Immediately call a poison center/doctor. If inhaled: Remove person to fresh air and keep comfortable for breathing. Immediately call a poison center/doctor. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center/doctor. Store locked up. Dispose of contents/container in accordance with local, regional, national and international regulations.

Other Hazards: Harmful to aquatic life with long lasting effects.

### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Name	CAS Number	%
Sodium dodecyl benzene sulphonate	(CAS No) 25155-30-0	1- 5
Ethyl Alcohol	64-17-5	< 1

The exact percentage (concentration) of composition has been withheld as a trade secret in accordance with paragraph (i) of §1910.1200.

#### **SECTION 4: FIRST AID MEASURES**

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- First-aid measures after inhalation: If inhaled, remove to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.
- First-aid measures after skin contact: In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Wash clothing before reuse. Get immediate medical advice/attention.
- First-aid measures after eye contact: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. If easy to do, remove contact lenses, if worn. Get medical attention immediately.
- First-aid measures after ingestion: If swallowed, do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Rinse mouth. Get immediate medical advice/attention.

#### **Most important symptoms and effects, both acute and delayed:**

Not determined.

#### **Indication of any immediate medical attention and special treatment needed:**

Symptoms may not appear immediately. In case of accident or if you feel unwell, seek medical advice immediately (show the label or SDS where possible). Treat symptomatically.

#### **SECTION 5: FIRE FIGHTING MEASURES**

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- Suitable extinguishing media: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
- Unsuitable extinguishing media: None known.
- Fire hazard: No hazardous decomposition data available.
- Protection during firefighting: Keep upwind of fire. Wear full firefighting turn-out gear (full Bunker gear) and respiratory protection (SCBA). Use water spray to keep fire-exposed containers cool.

#### **SECTION 6: ACCIDENTAL RELEASE MEASURES**

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- General measures: Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel.
- For containment: Contain and/or absorb spill with inert material (e.g. sand, vermiculite), then place in a suitable container. Do not flush to sewer or allow to enter waterways. Use appropriate Personal Protective Equipment (PPE).
- Methods for cleaning up: Scoop up material and place in a closed disposal container for disposal.

See section 8 for further information on protective clothing and equipment and section 13 for advice on waste disposal.

## SECTION 7: HANDLING AND STORAGE

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Precautions for safe handling: Handle in accordance with good industrial hygiene and safety practice.

Hygiene measures: Launder contaminated clothing before reuse. Wash hands before eating, drinking, or smoking.

Storage conditions: Keep containers tightly closed in a dry, cool and well-ventilated place.

Storage temperature: 39 - 120 °F

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

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Ethyl Alcohol (64-17-5)	
ACGIH TLV	STEL: 1000 ppm
OSHA PEL	TWA: 1000 ppm TWA: 1900 mg/m <sup>3</sup> (vacated) TWA: 1000 ppm (vacated) TWA: 1900 mg/m <sup>3</sup>
NIOSH IDLH	IDLH: 3300 ppm TWA: 1000 ppm TWA: 1900 mg/m <sup>3</sup>

Appropriate engineering controls: Apply technical measures to comply with the occupational exposure limits.

Hand protection: Wear chemically resistant protective gloves.

Eye protection: Wear approved eye protection (properly fitted dust- or splash-proof chemical safety goggles) / face (face shield) protection.

Skin and body protection: Wear suitable protective clothing, including appropriate boots, boot covers, overshoes, etc., as may be appropriate.

Respiratory protection: None necessary under normal conditions of use.

Environmental exposure controls: Maintain levels below community environmental protection thresholds.

Other information: Do not eat, smoke or drink where material is handled, processed or stored. Wash hands carefully before eating or smoking. Handle according to established industrial hygiene and safety practices.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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Physical state: Liquid

Appearance: According to product specification.

Color: No data available

Odor: No data available

Odor threshold: No data available

pH: No data available

Melting point: No data available

Freezing point:	No data available
Boiling point:	No data available
Flash point:	No data available
Relative evaporation rate:	No data available
Flammability (solid, gas):	No data available
Explosive limits:	No data available
Explosive properties:	No data available
Oxidizing properties:	No data available
Vapor pressure:	No data available
Relative density:	No data available
Relative vapor density at 20 °C:	No data available
Solubility:	No data available
Partition coefficient: n-octanol/water:	No data available
Log Kow:	No data available
Auto-ignition temperature:	No data available
Decomposition temperature:	No data available
Viscosity:	No data available
Viscosity, kinematic:	No data available
Viscosity, dynamic:	No data available

## SECTION 10: STABILITY AND REACTIVITY

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Reactivity: No dangerous reaction known under conditions of normal use.

Chemical Stability: Stable under normal storage conditions.

Possibility of hazardous reactions: No dangerous reaction known under conditions of normal use.

Conditions to avoid: Keep out of reach of children.

Incompatible materials: None known based on information supplied.

Hazardous decomposition products: None known based on information supplied.

## SECTION 11: TOXICOLOGICAL INFORMATION

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Acute toxicity: Harmful if swallowed.

Ingredient	Oral LD50 mg/kg	Skin LD 50 mg/kg	Inhalation LC50 mg/L/4hr
Sodium dodecyl benzene sulphonate 25155-30-0	<b>Rat</b> = 500 mg/kg = 438 mg/kg	No data available	No data available
Ethyl Alcohol 64-17-5	<b>Rat</b> = 7060 mg/kg	No data available	<b>Rat</b> = 124.7 mg/L
Sodium xylenesulfonate 1300-72-7	<b>Rat</b> = 1000 mg/kg	No data available	No data available

Skin corrosion/irritation: Causes skin irritation.

Serious eye damage/irritation: Causes eye damage.

Respiratory or skin sensitization: Based on available data, the classification criteria are not met.

Germ cell mutagenicity: Based on available data, the classification criteria are not met.

Carcinogenicity: Ethanol has been shown to be carcinogenic in long-term studies only when consumed as an alcoholic beverage.

Reproductive toxicity: Based on available data, the classification criteria are not met.

Specific target organ toxicity (single exposure): Based on available data, the classification criteria are not met.

Specific target organ toxicity (repeated exposure): Based on available data, the classification criteria are not met.

Aspiration hazard: Based on available data, the classification criteria are not met.

Symptoms/injuries after skin contact: Causes irritation. Symptoms may include redness, edema, drying, defatting and cracking of the skin.

Symptoms/injuries after eye contact: Causes eye damage. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva. May cause burns.

Symptoms/injuries after ingestion: May be harmful if swallowed. May cause stomach distress, nausea or vomiting.

## SECTION 12: ECOLOGICAL INFORMATION

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Ecology - general: Harmful to aquatic life with long lasting effects.

Ingredient	Algae/Aquatic Plants	Fish	Toxicity to microorganisms	Crustacea
Sodium dodecyl benzene sulphonate <b>25155-30-0</b>	No data available	10.8: 96 h Oncorhynchus mykiss mg/L LC50 static	No data available	No data available
Ethyl Alcohol <b>64-17-5</b>	No data available	12.0 - 16.0: 96 h Oncorhynchus mykiss mL/L LC50 static 13400 - 15100: 96 h Pimephales promelas mg/L LC50 flow-through 100: 96 h Pimephales promelas mg/L LC50 static	No data available	9268 - 14221: 48 h Daphnia magna mg/L LC50 2: 48 h Daphnia magna mg/L EC50 Static 10800: 24 h Daphnia magna mg/L EC50

Persistence and degradability: Not determined.

Bioaccumulative potential: Not determined.

### Mobility in Soil

Chemical Name	Partition Coefficient
Ethyl Alcohol <b>64-17-5</b>	-0.32

Other adverse effects: Effect on the global warming – No known ecological damage caused by this product.

## SECTION 13: DISPOSAL CONSIDERATIONS

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Waste disposal recommendations: This material must be disposed of in accordance with all local, state, provincial, and federal regulations. The generation of waste should be avoided or minimized wherever possible.

Chemical Name	California Hazardous Waste Status
Ethyl Alcohol 64-17-5	Toxic, Ignitable

## SECTION 14: TRANSPORT INFORMATION

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**Note:** Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.

**DOT:** Not regulated

## SECTION 15: REGULATORY INFORMATION

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All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory.

### Federal Regulations

#### CERCLA

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302).

Chemical Name	Hazardous Substances RQs	CERCLA/SARA RQ	Reportable Quantity (RQ)
Sodium dodecyl benzene sulphonate 25155-30-0	1000 lb.		RQ 1000 lb. final RQ RQ 454 kg final RQ

#### SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

#### CWA (Clean Water Act)

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

Chemical Name	Reportable Quantities	Toxic Pollutants	Priority Pollutants	Hazardous Substances
Sodium dodecyl benzene sulphonate 25155-30-0	1000 lb.			X

### State Regulations

#### California Proposition 65

Ethyl alcohol is only considered a Proposition 65 developmental hazard when it is ingested as an alcoholic beverage.

Chemical Name	California Proposition 65
Ethyl Alcohol - 64-17-5	Carcinogen, Developmental

#### US State Right-to-Know Regulations

Chemical Name	Massachusetts	New Jersey	Pennsylvania
Sodium dodecyl benzene sulphonate <b>25155-30-0</b>	X	X	X
Ethyl Alcohol <b>64-17-5</b>	X	X	X

### SECTION 16: OTHER INFORMATION

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Other information: None.

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