

# SAFETY DATA SHEET

## 1. Identification of the hazardous chemical and of the supplier

**Product identifier:** ECO DRAW BG9

**Other means of identification:** No data available.

**Recommended use of the chemical and restrictions on use**

**Recommended use:** Metalworking fluid

**Recommended restrictions:** Industrial use only

**Manufacturer/Importer/Distributor Information**

### Manufacturer

Company Name: Fuchs Lubricants Co.  
Address: 17050 Lathrop Avenue  
Harvey, Illinois 60426  
Telephone: 708-333-8900  
Fax: 708-333-9180

Contact Person: EHS Department  
E-mail: sds@fuchs.com

**Emergency telephone number:** 708-333-8900 (Bus. hrs) 800-255-3924 (24 hrs)

## 2. Hazard(s) identification

### Hazard Classification

#### Health Hazards

Toxic to reproduction Category 1B

#### Unknown toxicity - Health

|  |         |
|--|---------|
| Acute toxicity, oral                     | 29.33 % |
| Acute toxicity, dermal                   | 25.13 % |
| Acute toxicity, inhalation, vapor        | 42.11 % |
| Acute toxicity, inhalation, dust or mist | 42.24 % |

### Label Elements

**Hazard Symbol:**



|                                 |   |
|---------------------------------|---|
| <b>Signal Word:</b>             | Danger  |
| <b>Hazard Statement:</b>        | H360: May damage fertility or the unborn child.   |
| <b>Precautionary Statements</b> |   |
| <b>Prevention:</b>              | P201: Obtain special instructions before use.<br>P202: Do not handle until all safety precautions have been read and understood.<br>P280: Wear protective gloves/ protective clothing/ eye protection/ face protection. |
| <b>Response:</b>                | P308+P313: IF exposed or concerned: Get medical advice/attention.   |
| <b>Storage:</b>                 | P405: Store locked up.  |
| <b>Disposal:</b>                | P501: Dispose of contents/ container to an approved facility in accordance with local, regional, national and international regulations.  |

### 3. Composition/information on ingredients

#### Mixtures

| Chemical Identity   | CAS number | Content in percent (%)* |
|---|------------|-------------------------|
| Dialkyl Polysulfide                                       | 68515-88-8 | 5 - 10%                 |
| Tall oil, compound with triethanolamine                   | 68092-29-5 | 3 - 7%                  |
| Triethanolamine   | 102-71-6   | 3 - 7%                  |
| Triazine compound   | 4719-04-4  | 0.1 - 1%                |
| Distillates (petroleum), solvent-dewaxed heavy paraffinic | 64742-65-0 | 0.1 - 1%                |
| Zinc 2-ethylhexanoate                                     | 136-53-8   | 0.1 - 1%                |
| Glycerin  | 56-81-5    | 0.1 - 1%                |

\* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

### 4. First-aid measures

|                      |  |
|----------------------|--|
| <b>Inhalation:</b>   | Move to fresh air. Call a POISON CENTER/doctor if you feel unwell.   |
| <b>Skin Contact:</b> | Remove contaminated clothing and shoes. Wash contact areas with soap and water. If skin irritation occurs: Get medical advice/attention. |
| <b>Eye contact:</b>  | Flush thoroughly with water. If irritation occurs, get medical assistance. Continue to rinse for at least 15 minutes.                    |
| <b>Ingestion:</b>    | Rinse mouth thoroughly. Call a POISON CENTER/doctor if you feel unwell. Do NOT induce vomiting.  |

#### Most important symptoms/effects, acute and delayed

**Symptoms:** No data available.

**Hazards:** No data available.

#### Indication of immediate medical attention and special treatment needed

**Treatment:** Get medical attention if symptoms occur.

### 5. Fire-fighting measures

**General Fire Hazards:** No unusual fire or explosion hazards noted.

#### Suitable (and unsuitable) extinguishing media

**Suitable extinguishing media:** Water spray, fog, CO<sub>2</sub>, dry chemical, or regular foam. Use fire-extinguishing media appropriate for surrounding materials.

**Unsuitable extinguishing media:** Do not use water jet as an extinguisher, as this will spread the fire.

**Specific hazards arising from the chemical:** Heat may cause the containers to explode. During fire, gases hazardous to health may be formed.

#### Special protective equipment and precautions for fire-fighters

**Special fire-fighting procedures:** No data available.

**Special protective equipment for fire-fighters:** Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.

### 6. Accidental release measures

**Personal precautions, protective equipment and emergency procedures:** See Section 8 of the SDS for Personal Protective Equipment. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Keep unauthorized personnel away. Ensure adequate ventilation.

**For non-emergency personnel:** No data available.

**For emergency responders:** No data available.

**Methods and material for containment and cleaning up:** Absorb with sand or other inert absorbent. Stop the flow of material, if this is without risk.

**Environmental Precautions:** Avoid release to the environment. Do not contaminate water sources or sewer. Prevent further leakage or spillage if safe to do so.

## 7. Handling and storage

|  |   |
|--|---|
| <b>Precautions for safe handling:</b>                                | <p>End-users should follow industry best practices for handling and using this product.</p> <p>Guidance may be found using the current version of ASTM Standard E1497-05: Standard Practice for Selection and Safe Use of Water-Miscible and Straight Oil Metal Removal Fluids Observe good industrial hygiene practices. Wear appropriate personal protective equipment. Do not expose to intense heat as product may expand and pressurize container. Contains amines. Do not add sodium nitrite or other nitrosating agents which may form cancer causing nitrosamines. Do not handle until all safety precautions have been read and understood. Obtain special instructions before use. Use personal protective equipment as required.</p> |
| <b>Conditions for safe storage, including any incompatibilities:</b> | <p>Store locked up. Store in original tightly closed container. Avoid contact with oxidizing agents. Store away from incompatible materials.</p>  |

## 8. Exposure controls/personal protection

### Control Parameters

#### Occupational Exposure Limits

| Chemical Identity   | Type    | Exposure Limit Values | Source   |
|---|---------|-----------------------|--|
| Triethanolamine   | VLE-PPT | 5 mg/m <sup>3</sup>   | Mexico. OELs. (NOM-010-STPS-2014 Chemical Pollutants at the Workplace; Assessment and Control), as amended (04 2014) |
| Distillates (petroleum), solvent-dewaxed heavy paraffinic | VLE-PPT | 5 mg/m <sup>3</sup>   | Mexico. OELs. (NOM-010-STPS-2014 Chemical Pollutants at the Workplace; Assessment and Control), as amended (04 2014) |
| Glycerin  | VLE-PPT | 10 mg/m <sup>3</sup>  | Mexico. OELs. (NOM-010-STPS-2014 Chemical Pollutants at the Workplace; Assessment and Control), as amended (04 2014) |

|   |                    |
|---|--------------------|
| <b>Appropriate Engineering Controls</b> | No data available. |
|---|--------------------|

### Individual protection measures, such as personal protective equipment

|                             |  |
|-----------------------------|--|
| <b>General information:</b> | Use personal protective equipment as required.   |
| <b>Eye/face protection:</b> | Wear safety glasses with side shields (or goggles).  |
| <b>Skin Protection</b>      |  |
| <b>Hand Protection:</b>     | No data available.   |
| <b>Other:</b>               | Wear chemical-resistant gloves, footwear, and protective clothing appropriate for the risk of exposure. Contact health and safety professional or manufacturer for specific information. |

|                                |  |
|--------------------------------|--|
| <b>Respiratory Protection:</b> | In case of inadequate ventilation use suitable respirator. Seek advice from supervisor on the company's respiratory protection standards.  |
| <b>Hygiene measures:</b>       | Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing to remove contaminants. Discard contaminated footwear that cannot be cleaned. |

## 9. Physical and chemical properties

### Appearance

|   |                    |
|---|--------------------|
| <b>Physical state:</b>                          | liquid             |
| <b>Form:</b>                                    | liquid             |
| <b>Color:</b>                                   | Amber              |
| <b>Odor:</b>                                    | Mild               |
| <b>Odor threshold:</b>                          | No data available. |
| <b>pH:</b>                                      | 9                  |
| <b>Melting point/freezing point:</b>            | No data available. |
| <b>Initial boiling point and boiling range:</b> | No data available. |
| <b>Flash Point:</b>                             | Not applicable     |
| <b>Evaporation rate:</b>                        | No data available. |
| <b>Flammability (solid, gas):</b>               | No data available. |

### Upper/lower limit on flammability or explosive limits

|  |                    |
|--|--------------------|
| <b>Flammability limit - upper (%):</b> | No data available. |
| <b>Flammability limit - lower (%):</b> | No data available. |
| <b>Explosive limit - upper:</b>        | No data available. |
| <b>Explosive limit - lower:</b>        | No data available. |

|                          |                    |
|--------------------------|--------------------|
| <b>Vapor pressure:</b>   | No data available. |
| <b>Vapor density:</b>    | No data available. |
| <b>Density:</b>          | No data available. |
| <b>Relative density:</b> | 1.036 (15 °C)      |

### Solubility(ies)

|                             |                    |
|-----------------------------|--------------------|
| <b>Solubility in water:</b> | Soluble            |
| <b>Solubility (other):</b>  | No data available. |

|   |                    |
|---|--------------------|
| <b>Partition coefficient (n-octanol/water):</b> | No data available. |
|---|--------------------|

|                                   |                    |
|-----------------------------------|--------------------|
| <b>Auto-ignition temperature:</b> | No data available. |
|-----------------------------------|--------------------|

|                                   |                    |
|-----------------------------------|--------------------|
| <b>Decomposition temperature:</b> | No data available. |
|-----------------------------------|--------------------|

|                   |                                 |
|-------------------|---------------------------------|
| <b>Viscosity:</b> | > 22 mm <sup>2</sup> /s (40 °C) |
|-------------------|---------------------------------|

## 10. Stability and reactivity

|                    |                                 |
|--------------------|---------------------------------|
| <b>Reactivity:</b> | Not reactive during normal use. |
|--------------------|---------------------------------|

|  |  |
|--|--|
| <b>Chemical Stability:</b>                 | Material is stable under normal conditions.  |
| <b>Possibility of hazardous reactions:</b> | None under normal conditions.  |
| <b>Conditions to avoid:</b>                | Avoid heat or contamination.   |
| <b>Incompatible Materials:</b>             | No data available.   |
| <b>Hazardous Decomposition Products:</b>   | Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors. Contains a component which may release flammable substances, including trimethylpentene, by distillation in systems with solvent recovery. This may lead to accumulation in the solvent circuit. |

## 11. Toxicological information

### Information on likely routes of exposure

|                      |  |
|----------------------|--|
| <b>Inhalation:</b>   | Inhalation is the primary route of exposure. In high concentrations, vapors, fumes or mists may irritate nose, throat and mucus membranes. |
| <b>Skin Contact:</b> | Prolonged skin contact may cause redness and irritation.   |
| <b>Eye contact:</b>  | Eye contact is possible and should be avoided.   |
| <b>Ingestion:</b>    | May be ingested by accident. Ingestion may cause irritation and malaise.   |

### Symptoms related to the physical, chemical and toxicological characteristics

|                      |                    |
|----------------------|--------------------|
| <b>Inhalation:</b>   | No data available. |
| <b>Skin Contact:</b> | No data available. |
| <b>Eye contact:</b>  | No data available. |
| <b>Ingestion:</b>    | No data available. |

### Information on toxicological effects

#### Acute toxicity (list all possible routes of exposure)

|                            |                         |
|----------------------------|-------------------------|
| <b>Oral Product:</b>       | ATEmix (): > 5000 mg/kg |
| <b>Dermal Product:</b>     | ATEmix (): > 5000 mg/kg |
| <b>Inhalation Product:</b> | No data available.      |

**Specified substance(s):**

Dialkyl Polysulfide LC 50 (Guinea pig, Mouse): > 4.3 mg/l

Zinc 2-ethylhexanoate LC 50 (Rat): > 5,700 mg/m<sup>3</sup>  
LC 50 (Mouse): 2,500 mg/m<sup>3</sup>  
LC 0 (Rat): 0.11 mg/l  
NOEL (Rabbit): 5 mg/m<sup>3</sup>

Glycerin LC 0 (Rat): 5,850 mg/m<sup>3</sup>  
LC 50 (Rat): > 5,850 mg/m<sup>3</sup>  
LC 50 (Rat): > 570 mg/m<sup>3</sup>

**Repeated dose toxicity**

**Product:** No data available.

**Skin Corrosion/Irritation**

**Product:** No data available.

**Specified substance(s):**

Triethanolamine in vivo (Rabbit): Not irritant , 24 - 72 h Experimental result, Supporting study  
Triazine compound in vivo (Rabbit): Not irritant , 24 - 72 h Experimental result, Key study

**Serious Eye Damage/Eye Irritation**

**Product:** No data available.

**Specified substance(s):**

Zinc 2-ethylhexanoate Rabbit, 24 - 72 h: Category II EU

**Respiratory or Skin Sensitization**

**Product:** No data available.

**Carcinogenicity**

**Product:** No data available.

**IARC Monographs on the Evaluation of Carcinogenic Risks to Humans:**

No carcinogenic components identified

**Germ Cell Mutagenicity**

**In vitro**

**Product:** No data available.

**In vivo**

**Product:** No data available.

**Reproductive toxicity**

**Product:** May damage fertility or the unborn child.

**Specific Target Organ Toxicity - Single Exposure**

**Product:** No data available.

**Specific Target Organ Toxicity - Repeated Exposure**

|                                   |                    |
|-----------------------------------|--------------------|
| <b>Product:</b>                   | No data available. |
| <b>Aspiration Hazard Product:</b> | No data available. |
| <b>Other effects:</b>             | No data available. |

## 12. Ecological information

### Ecotoxicity:

#### Acute hazards to the aquatic environment:

##### Fish

**Product:** No data available.

##### Specified substance(s):

|   |  |
|---|--|
| Dialkyl Polysulfide                                       | LC 50 (Fathead Minnow, 4 d): > 100 mg/l  |
| Triethanolamine   | LC 50 (Rainbow Trout, 4 d): 11,800 mg/l<br>LC 50 (Fish, 96 h): > 100 mg/l<br>LC 50 (Lepomis macrochirus, 96 h): 450 mg/l |
| Triazine compound   | LC 50 (Fish, 96 h): 10 - 100 mg/l  |
| Distillates (petroleum), solvent-dewaxed heavy paraffinic | LC 50 (Fish, 96 h): > 100 mg/l   |
| Zinc 2-ethylhexanoate                                     | LC 50 (Fish, 96 h): 100 - 1,000 mg/l   |
| Glycerin  | LC 50 (Fish): 51,000 - 57,000 mg/l   |

##### Aquatic Invertebrates

**Product:** No data available.

##### Specified substance(s):

|   |   |
|---|---|
| Dialkyl Polysulfide                                       | EC50 (Daphnia, 2 d): > 10,000 mg/l<br>EC50 (Daphnia, 21 d): > 10 mg/l                                   |
| Triethanolamine   | EC50 (Daphnia, 21 d): > 16 mg/l<br>EC50 (Daphnia, 48 h): 609.9 mg/l<br>EC50 (Daphnia, 24 h): 1,386 mg/l |
| Triazine compound   | EC50 (Daphnia, 48 h): 10 - 100 mg/l   |
| Distillates (petroleum), solvent-dewaxed heavy paraffinic | EC50 (Daphnia, 48 h): > 100 mg/l  |



Zinc 2-ethylhexanoate EC50 (Daphnia, 48 h): 85.4 mg/l

#### Chronic hazards to the aquatic environment:

##### Fish

**Product:** No data available.

##### Aquatic Invertebrates

**Product:** No data available.

##### Toxicity to Aquatic Plants

**Product:** No data available.

##### Specified substance(s):

Dialkyl Polysulfide EC50 (Green algae (Scenedesmus quadricauda), 3 d): > 100 mg/l

Triethanolamine EC50 (Alga, 72 h): 216 mg/l  
EC50 (Alga, 96 h): 169 mg/l

Distillates (petroleum),  
solvent-dewaxed heavy  
paraffinic EC50 (Green algae (Scenedesmus quadricauda), 72 h): > 100 mg/l

#### Persistence and Degradability

##### Biodegradation

**Product:** No data available.

##### BOD/COD Ratio

**Product:** No data available.

#### Bioaccumulative potential

##### Bioconcentration Factor (BCF)

**Product:** No data available.

#### Partition Coefficient n-octanol / water (log Kow)

**Product:** No data available.

##### Specified substance(s):

Triethanolamine Log Kow: -1.75 - -1.32 No Estimated by calculation, Weight of Evidence study

Glycerin Log Kow: -1.76

**Mobility in soil:** No data available.

#### Known or predicted distribution to environmental compartments

|   |                    |
|---|--------------------|
| Dialkyl Polysulfide                                       | No data available. |
| Tall oil, compound with triethanolamine                   | No data available. |
| Triethanolamine   | No data available. |
| Triazine compound   | No data available. |
| Distillates (petroleum), solvent-dewaxed heavy paraffinic | No data available. |
| Zinc 2-ethylhexanoate                                     | No data available. |
| Glycerin  | No data available. |

**Other adverse effects:** No data available.

### 13. Disposal considerations

**Disposal instructions:** Discharge, treatment, or disposal may be subject to national, state, or local laws. Dispose of waste at an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal. It is the responsibility of the product user or owner to determine at the time of disposal, which waste regulations must be applied.

**Contaminated Packaging:** Empty containers should be taken to an approved waste handling site for recycling or disposal.

### 14. Transport information

**DOT**  
Not Regulated.

**IATA**  
Not Regulated.

**IMDG**  
Not Regulated.

### 15. Regulatory information

**Safety, health and environmental regulations specific for the product in question**

**Mexico. Substances subject to reporting for the pollutant release and transfer registry (PRTR)**

| Chemical Identity | Yearly reporting threshold (Manufacture, Processing or Use): | Yearly reporting threshold (Emissions): |
|-------------------|--|---|
|                   |  |   |
| 1,4-Dioxane       | 5000 kg.   | 500 kg.                                 |
| Ethylene oxide    | 2500 kg.   | 100 kg.                                 |

**Mexico. Federal Law for the Control of Chemical Substances Susceptible to Diversion to Manufacturing of Chemical Weapons, Appendix 1: National list of chemical substances**

Triethanolamine

Precursors Chemicals Group 3: Chemicals listed in Group 3B can be used in the production of toxic chemicals hence are prohibited from exports and returns to states not party to the convention without prior authority from the recipient state. A certificate of final use is required. See CWC, Verification Annex, Part VIII.

**Mexico. Wastewater Discharges - Maximum Limits into Coastal Waters, Dams, Rivers, Soil and Wetlands (NOM-001-ECOL)**

none

**Mexico. Hazardous Chemicals (NOM-028-STPS-2012, System for administration of workplace safety in the process and critical equipment for handling hazardous chemicals, Appendix A, Table A.I)**

Ethylene oxide                      Threshold: 2300. kg

**Mexico. Narcotic Drugs List (General Health Law, Articles 234 & 239, Feb. 7, 1984)**

Not applicable

**Mexico. Psychotropic Drugs (General Health Law, Feb. 7, 1984, Articles 245 & 254 Bis)**

Not applicable

**16. Other information, including date of preparation or last revision**

**Issue Date:** 11/04/2025

**Revision Information:** 11/04/2025: ARGHS\_MX

**Version #:** 1.1

**Further Information:** No data available.

**Disclaimer:** This information is provided without warranty. The information is believed to be correct. This information should be used to make an independent determination of the methods to safeguard workers and the environment.