



# Econo-DF1

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Revision date: 02/28/2014

Version: 1.0

### SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY

#### Product Identifier

**Product name:** Econo-DF1

**Synonyms:** Defoamer

#### Intended Use Of The Product

**Use of the substance/mixture:** Breaker. For professional use only.

#### Name, Address, And Telephone Of The Responsible Party

Economy® Polymers & Chemicals

435 E. Anderson Road

77047 Houston, TX

T 713-723-8416; 1-800-231-2066

[www.economypolymers.com](http://www.economypolymers.com)

#### Emergency Telephone Number

**Emergency number** : CHEMTREC 1-800-424-9300 (US); 703-527-3887 (International, collect calls are accepted)

### SECTION 2: HAZARDS IDENTIFICATION

#### Classification Of The Substance Or Mixture

##### **GHS-US classification**

Not classified

#### Label Elements

**GHS-US labeling** No labeling applicable

**Other Hazards** Not available

**Unknown acute toxicity (GHS US)** Not available

### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

There are no hazardous ingredients as defined in the United States 29 CFR 1910.1200 (OSHA), Canada Controlled Products Regulations (WHMIS), and Mexico Normas Oficiales Mexicanas 0030SSA1-2006 (SSA).

### 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).

**Inhalation:** When symptoms occur: go into open air and ventilate suspected area.

**Skin Contact:** Remove contaminated clothing. Drench affected area with water for at least 15 minutes.

**Eye Contact:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

**Ingestion:** Rinse mouth. Do NOT induce vomiting.

#### Most Important Symptoms And Effects Both Acute and Delayed

**General:** None expected under normal conditions of use.

**Inhalation:** Inhalation of vapor and/or mist may cause respiratory irritation and sensitization.

**Skin Contact:** Contact during a long period may cause light irritation

**Eye Contact:** May cause minor eye irritation

**Ingestion:** Gastrointestinal irritation. Ingestion may cause nausea, vomiting and diarrhea.

**Chronic symptoms:** Not available

#### Indication Of Any Immediate Medical Attention And Special Treatment Needed

If you feel unwell, seek medical advice (show the label where possible).

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### SECTION 5: FIREFIGHTING MEASURES

#### Extinguishing Media

**Suitable extinguishing media:** Not flammable. Use extinguishing media appropriate for surrounding fire.

**Unsuitable extinguishing media:** None known.

#### Special Hazards Arising From The Substance Or Mixture

**Fire hazard:** Not considered flammable but will burn at high temperatures.

**Explosion hazard:** Product is not explosive

**Reactivity:** Hazardous reactions will not occur under normal conditions.

#### Advice For Firefighters

**Precautionary measures fire:** Exercise caution when fighting any chemical fire.

**Firefighting instructions:** Use water spray or fog for cooling exposed containers.

**Protection during firefighting:** Do not enter fire area without proper protective equipment, including respiratory protection.

**Hazardous Combustion Products:** Carbon oxides (CO, CO<sub>2</sub>)

#### Reference To Other Sections

Refer to section 9 for flammability properties.

### SECTION 6: ACCIDENTAL RELEASE MEASURES

#### Personal Precautions, Protective Equipment And Emergency Procedures

**General measures:** Avoid all contact with skin, eyes, or clothing. Avoid breathing (vapor, mist).

#### For Non-Emergency Personnel

**Protective equipment:** Use appropriate personal protection equipment (PPE).

**Emergency procedures:** Evacuate unnecessary personnel.

#### For Emergency Personnel

**Protective equipment:** Equip cleanup crew with proper protection.

**Emergency procedures:** Ventilate area.

#### Environmental Precautions

Prevent entry to sewers and public waters.

#### Methods And Material For Containment And Cleaning Up

**Methods for cleaning up:** Clear up spills immediately and dispose of waste safely.

#### Reference To Other Sections

See heading 8, exposure controls and personal protection.

### SECTION 7: HANDLING AND STORAGE

#### Precautions For Safe Handling

**Hygiene measures:** Handle in accordance with good industrial hygiene and safety procedures. Wash hands and other exposed areas with mild soap and water before eating, drinking, or smoking and again when leaving work.

#### Conditions For Safe Storage, Including Any Incompatibilities

**Storage conditions:** Store in a dry, cool and well-ventilated place. Keep container closed when not in use.

**Incompatible materials:** Strong acids. Strong bases. Strong oxidizers.

**Specific End Use(s)** For professional use only.

### SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Control Parameters

No Occupational Exposure Limits (OELs) have been established for this product or its chemical components.

#### Exposure Controls

**Appropriate engineering controls:** Not generally required. Site-specific risk assessments should be conducted to determine the appropriate exposure control measures. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits.

**Personal protective equipment:** Not generally required. Personal protective equipment may be necessary as conditions warrant.

**Hand protection:** Wear chemically resistant protective gloves.

**Eye protection:** Chemical goggles or safety glasses.

**Respiratory protection:** Wear approved mask.

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**Other information:** When using, do not eat, drink or smoke.

### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

#### Information On Basic Physical And Chemical Properties

Physical state	: Liquid
Appearance	: Clear to hazy or milky white
Odour	: Mild
Odour threshold	: Not available
pH (1% in 50/50 IPA/H <sub>2</sub> O)	: 4 - 7
Relative evaporation rate (butylacetate=1)	: Not available
Melting point	: Not available
Freezing point	: 0°C (32°F)
Boiling point	: >100°C (>212°F)
Flash point	: >100°C (>212°F)
Auto-ignition temperature	: Not available
Decomposition Temperature	: Not available
Flammability (solid, gas)	: Not available
Lower flammable limit	: Not available
Upper flammable limit	: Not available
Vapour pressure	: Not available
Relative vapour density at 20 °C	: Not available
Relative density	: Not Available
Specific gravity density	: 0.99-1.02 (water = 1)
Solubility	: Not available
Log Pow	: Not available
Log Kow	: Not available
Viscosity, kinematic	: Not available
Viscosity, dynamic	: Not available
Explosion data - sensitivity to mechanical impact	: Not available
Explosion data - sensitivity to static discharge	: Not available

### SECTION 10: STABILITY AND REACTIVITY

Reactivity	Hazardous reactions will not occur under normal conditions.
Chemical Stability	Stable at standard temperature and pressure.
Possibility Of Hazardous Reactions	Hazardous polymerization will not occur.
Conditions To Avoid	Direct sunlight. Extremely high or low temperatures.
Incompatible Materials	Strong acids. Strong bases. Alkalis (organic)
Hazardous Decomposition Products	Carbon oxides (CO, CO <sub>2</sub> ).

### SECTION 11: TOXICOLOGICAL INFORMATION

#### Information On Toxicological Effects - Product

Acute toxicity	: Not classified
LD50 and LC50 Data:	Not available
Skin corrosion/irritation:	Not classified
Serious eye damage/irritation:	Not classified
Respiratory or skin sensitisation:	Not classified
Germ cell mutagenicity:	Not classified
Teratogenicity:	Not available
Carcinogenicity:	Not classified
Specific target organ toxicity (repeated exposure):	Not classified

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**Reproductive toxicity:** Not classified

**Specific target organ toxicity (single exposure):** Not classified

**Aspiration hazard:** Not classified

**Symptoms/injuries after inhalation:** Inhalation of vapor and/or mist may cause respiratory irritation and sensitization.

**Symptoms/injuries after skin contact:** Contact during a long period may cause light irritation.

**Symptoms/injuries after eye contact:** May cause minor eye irritation.

**Symptoms/injuries after ingestion:** Gastrointestinal irritation. Ingestion may cause nausea, vomiting and diarrhea.

### Information On Toxicological Effects - Ingredient(s)

**LD50 and LC50 Data:** Not Available

## SECTION 12: ECOLOGICAL INFORMATION

**Toxicity** Not available

### Persistence And Degradability

Econo-DF1	
Persistence and degradability	Not established.

### Bioaccumulative Potential

Econo-DF1	
Bioaccumulative potential	Not established.

**Mobility In Soil** Not available

### Other Adverse Effects

**Other information:** Avoid release to the environment.

## SECTION 13: DISPOSAL CONSIDERATIONS

**Waste disposal recommendations:** Dispose of waste material in accordance with all local, regional, national, provincial, territorial and international regulations.

## SECTION 14: TRANSPORT INFORMATION

In accordance with ICAO/IATA/DOT/TDG

**UN Number** Not regulated for transport

**UN Proper Shipping Name** Not regulated for transport

**Overland transport** Not regulated for transport

**Transport by sea** Not regulated for transport

**Air transport** Not regulated for transport

## SECTION 15: REGULATORY INFORMATION

### US Federal regulations

Econo-DF1	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	

### US State regulations

Neither this product nor its chemical components appear on any US state lists.

### Canadian regulations

Econo-DF1	
Listed on Non-Domestic Substances List (DSL)	

Econo Buffer-104	
WHMIS Classification	Uncontrolled product according to WHMIS classification criteria

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required by CPR.

## SECTION 16: OTHER INFORMATION

**Indication of changes** : 02/28/2014

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### Other information

: This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.

### Party Responsible For The Preparation Of This Document:

Economy Polymers & Chemicals

435 E. Anderson Road Houston, TX 77047

T 1-800-231-2066

*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.*

North America GHS US 2012 & WHMIS