

according to ANSI Z400.1-2004

**EURO ++ CONCENTRATE**

Product Code: 252-1022

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**SECTION 1: Identification of the substance/mixture and of the company/undertaking**

**Product identifier**

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**Chemical characterization** ( Mixture )

**Details of the supplier of the safety data sheet**

Company name: Beck/Arnley Worldparts, Inc  
Street: 2375 Midway Lane  
Place: Smyrna, Tennessee 37167  
Telephone: 1-888-464-2325  
e-mail: beccustomerservice@beckarnley.com  
website: www.beckfluids.com  
Responsible Department: Customer Service

**Emergency telephone:** INFOTRAC: 1-800-535-5053 Account # 106198

**SECTION 2: Hazards identification**

**Route(s) of Entry**

**Signs and Symptoms of Exposure**

Frequently or prolonged contact with skin may cause dermal irritation.  
Depression of the central nervous system.  
May cause damage to kidneys through prolonged or repeated exposure by swallowing.

Carcinogenicity (NTP):  
Carcinogenicity (IARC): No ingredient classified under IARC  
Carcinogenicity (OSHA): ACGIH TLV established; Sensitizer; Chronic target organ effects reported

**Other hazards:**

WARNING:  
HARMFUL IF SWALLOWED.  
MAY CAUSE EYE, SKIN AND RESPIRATORY TRACT IRRITATION.  
May cause sensitization by skin contact.  
INGESTION MAY CAUSE GASTRIC DISTURBANCES.  
Prolonged or repeated exposure may cause liver damage.  
Overexposure may cause kidney damage.  
May cause lung damage.  
MAY ADVERSELY AFFECT THE DEVELOPING FETUS.  
Avoid contact with the skin, eyes and clothing.  
Avoid inhalation of mists/vapours.  
Wear NIOSH-certified chemical goggles.  
Wear a NIOSH-certified (or equivalent) organic vapour/particulate respirator.  
Wear chemical resistant protective gloves.  
Eye wash fountains and safety showers must be easily accessible.

State of matter: liquid  
Color: red-magenta  
Odor: product specific

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**SECTION 3: Composition/information on ingredients**

Mixtures

**Hazardous components**

CAS No	Components	Quantity
107-21-1	ethanediol, ethylene glycol	> 90%
NA	Inhibitor Package	< 10%

**Further Information**

Following inhalation: Causes drowsiness or dizziness. Headache.

After skin contact: Frequently or prolonged contact with skin may cause dermal irritation.

Following eye contact: Conjunctival redness.

after ingestion: Ethylene glycol. - Toxic if swallowed. unconsciousness.

ingestion causes nausea, weakness and central nervous system effects. unconsciousness.

Prolonged/repetitive skin contact may cause skin defatting or dermatitis. May cause damage to kidneys through prolonged or repeated exposure by swallowing.

**SECTION 4: First aid measures**

Description of first aid measures

**General Information**

Self-protection of the first aider.. Take off immediately all contaminated clothing.

**After Inhalation**

Remove casualty to fresh air and keep warm and at rest.

IF exposed or if you feel unwell: Call a POISON CENTER or doctor/physician.

**After contact with skin**

After contact with skin, wash immediately with plenty of water and soap. In case of skin irritation, seek medical treatment.

**After contact with eyes**

In case of contact with eyes, rinse immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Subsequently consult an ophthalmologist.

**After ingestion**

If swallowed, do not induce vomiting; seek medical advice immediately and show this container label. Let water be swallowed in little sips (dilution effect).

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

Ethanol. + NaHCO<sub>3</sub>

**SECTION 5: Firefighting measures**

Extinguishing media

**Suitable extinguishing media**

Carbon dioxide (CO<sub>2</sub>). Dry extinguishing powder. Foam. Water fog.

**Unsuitable extinguishing media**

High power water jet.

Special hazards arising from the substance or mixture

Can be released in case of fire: Carbon black, Carbon monoxide.

Advice for firefighters

In case of fire and/or explosion do not breathe fumes.

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**Additional information**

Use water spray/stream to protect personnel and to cool endangered containers. Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

**SECTION 6: Accidental release measures**

**Personal precautions, protective equipment and emergency procedures**

High slip hazard because of leaking or spilled product. Ventilate affected area. Do not breathe gas/fumes/vapour/spray.

**Environmental precautions**

Do not empty into drains or the aquatic environment. In case of gas being released or leakage into waters, ground or the drainage system, the appropriate authorities must be informed.

**Methods and material for containment and cleaning up**

Prevent spreading over great surfaces (e.g. by damming or installing oil booms). Wipe up with absorbent material (eg. cloth, fleece). / Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Hand over to officially registered waste disposal company.

**Reference to other sections**

Avoid contact with skin, eye and clothing.

**SECTION 7: Handling and storage**

**Precautions for safe handling**

**Advice on safe handling**

Avoid contact with skin, eye and clothing.  
After contact with skin, wash immediately with: Water. Rub in high-fat content cream.

**Advice on protection against fire and explosion**

No special measures are necessary.

**Conditions for safe storage, including any incompatibilities**

**Advice on storage compatibility**

Do not store together with: Oxidizing agents.  
Do not store together with: Food and fodder

**Further information on storage conditions**

Keep away from heat.

**SECTION 8: Exposure controls/personal protection**

**Control parameters**

**Additional advice on limit values**

Please note:  
(VAwS)  
(WHG)

OSHA PEL-TWA 50 ppm (104mg/m<sup>3</sup>)  
ACGIH TLV-TWA 50 ppm (104mg/m<sup>3</sup>)  
STEL 50 ppm (104mg/m<sup>3</sup>)

**Exposure controls**

**Occupational exposure controls**

ethylene glycol ACGIH CLV 100 mg/m<sup>3</sup> aerosol

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**Protective and hygiene measures**

Do not eat, drink, smoke or sneeze at the workplace.  
Keep away from food, drink and animal feedingstuffs.  
Protect skin by using skin protective cream.  
Wash hands before breaks and at the end of work.  
Thorough skin-cleansing after handling the product. Apply skin care products after work.  
Take off immediately all contaminated clothing.  
Do not put any product-impregnated cleaning rags into your trouser pockets.

**Respiratory protection**

Wear respiratory protection when in the presence of vapour, dust, and aerosols.

**Hand protection**

Wear suitable gloves.

**Eye protection**

Tightly sealed safety glasses.

**Skin protection****SECTION 9: Physical and chemical properties****Information on basic physical and chemical properties**

Physical state: liquid  
Color: red-magenta  
Odor: -

**Test method**

pH-Value: in delivery condition:ca. ~8 (pure)

**Changes in the physical state**

Melting point: No data available  
Boiling point: No data available  
Flash point: >120 °C DIN 51758

**Explosive properties**

Lower explosion limits: not applicable  
Upper explosion limits: not applicable  
Ignition temperature: > 400 °C DIN 51794

**Auto ignition temperature**

Solid: No data available

**Oxidizing properties**

Vapour pressure (at 20 °C): 0,2 hPa  
Density (at 20 °C): ca. ~1,124 g/cm<sup>3</sup> DIN 51757  
Water Solubility: complete miscible  
Solubility in other solvents:  
Partition coefficient: No data available  
Viscosity/dynamic (at 20 °C): not determined DIN 51562/T1  
Solvent separation test: none/none

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Solvent content:

No data available

**Other information**

none/none

**SECTION 10: Stability and reactivity**

Stability:

Stable

Possibility of Hazardous Reactions:

Will not occur

**Conditions to avoid**

Keep away from heat.

**Incompatible materials**

Oxidizing agents, strong.

**Hazardous decomposition products**

none/none

**SECTION 11: Toxicological information**

**Information on toxicological effects**

**Acute toxicity**

Oral:

Type of value: LD50

Species: rat

Value: > 2,000 mg/kg

Irritation / corrosion

Skin:

Species: rabbit

Result: non-irritant

Eye:

Species: rabbit

Result: non-irritant

Sensitization

Information on: ethylene glycol

Assessment of sensitization:

Skin sensitizing effects were not observed in animal studies. Human data do not fully exclude a skin sensitizing potential.

**Specific effects in experiment on an animal**

No data available

**Sensitizing effects**

not determined

**Carcinogenic/mutagenic/toxic effects for reproduction**

-

**Additional information on tests**

May cause damage to kidneys through prolonged or repeated exposure by swallowing.

Following inhalation: Impaired consciousness.

**Empirical data on effects on humans**

After skin contact: mild irritant. Frequently or prolonged contact with skin may cause dermal irritation.

**SECTION 12: ecological information**

**Toxicity**

Fish

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Acute: Leuciscus idus/LC50 (96 h): > 100 mg/l  
Aquatic invertebrates  
Acute: Daphnia magna/EC50 (48 h): > 100 mg/l  
Aquatic plants  
Toxicity to aquatic plants:algae/EC50 (72 h): > 100 mg/l

**Persistence and degradability**

Easily biodegradable (concerning to the criteria of the OECD) Product is partially biodegradable.  
Biological / Abiological Degradation  
Test method: OECD 301 A (new version)  
Method of analysis: DOC reduction  
Degree of elimination: > 70 % (28 d)  
Evaluation: Readily biodegradable.

**Bioaccumulative potential**

No indication of bio-accumulation potential.

**Other adverse effects**

: No data available

**Further Information**

Do not allow uncontrolled leakage of product into the environment.

**SECTION 13: Disposal considerations**

**Waste treatment methods**

**Advice on disposal**

Carry out a burning of hazardous waste according to official regulations.

**Contaminated packaging**

Contaminated packaging must be completely emptied and can be re-used following appropriate cleaning.

**SECTION 14: Transport information**

**US DOT 49 CFR 172.101**

**Proper shipping name**

Product is no dangerous good, according at the dangerous good regulation.

**Marine transport**

**Other applicable information**

Not restricted

**Air transport**

**Other applicable information**

Not restricted

**SECTION 15: Regulatory information**

**U.S. Regulations**

**National Inventory TSCA**

released / listed

**SARA**

Acute; Chronic

**State Regulations**

State RTK: MA, NJ, PA

CAS Number: 107-21-1

Chemical name: ethylene glycol

CA Prop. 65:

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THIS PRODUCT CONTAINS A CHEMICAL(S) KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER AND BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM.

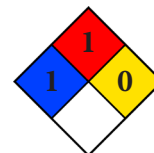
**SECTION 16: Other information**

**Hazardous Materials Information Label (HMIS)**

Health: 1  
Flammability: 1  
Physical Hazard: 0

**NFPA Hazard Ratings**

Health: 1  
Flammability: 1  
Reactivity: 0  
Unique Hazard:



**Other data**

For industrial purposes only.

The information is based on present level of our knowledge. It does not, however, give assurances of product properties and establishes no contract legal rights.

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*(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)*