# 1. IDENTIFICATION

**PRODUCT IDENTIFIER:** C202  
**CHEMICAL NAME:** Fatty Amine Solution  
**SYNONYMS:** Filming Amine, Film Forming Amine Solution, Corrosion Inhibitor  
**RECOMMENDED USE:** Use only in drilling fluids to reduce corrosion to oilfield tubulars.

**MANUFACTURER:** Corrosion, Ltd.  
4321 SCR 1290  
Odessa, TX 79765  
(432) 561-8504

**EMERGENCY CONTACT:** 800-669-8023

# 2. HAZARDS IDENTIFICATION

**CLASSIFICATION:**  
- Skin corrosion 1A  
- Serious eye damage 1  
- Acute toxicity 5, Oral  
- Hazardous to the aquatic environment (Acute) 2

**SIGNAL WORD:** Danger

**HAZARD STATEMENTS:** Causes severe skin burns and eye damage  
May be harmful if swallowed  
Toxic to aquatic life

**SYMBOLES:**

![Symbol](image)

**PRECAUTIONARY STATEMENTS:**  
Do not breathe fumes, vapors, mist or spray.  
Wash hands, forearms and other exposed areas thoroughly after handling.  
Wear protective gloves, splash apron, safety glasses or chemical safety goggles.  
Avoid release to the environment.  
IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.  
IF ON SKIN (or hair): Remove immediately all contaminated clothing. Rinse skin with water. Wash contaminated clothing before reuse.  
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
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 or doctor.  
Store locked up. Dispose of contents and container in accordance with local, state and federal regulations.

**UNCLASSIFIED HAZARDS:** While not normally combustible, if water content is lost (as in a fire), material may release flammable vapors while exposed to high temperatures. Incomplete combustion may release carbon monoxide, carbon dioxide, and oxides and/or compounds of nitrogen.

**UNKNOWN ACUTE TOXICITY:** None
3. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>NAME</th>
<th>SYNONYMS</th>
<th>PRODUCT IDENTIFIER</th>
<th>PERCENT BY WEIGHT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Isopropyl Alcohol</td>
<td>2-Propanol, Isopropanol</td>
<td>CAS No. 67-63-0</td>
<td>2-3%</td>
</tr>
<tr>
<td>Acetic Acid Glacial</td>
<td>Glacial Acetic Acid</td>
<td>CAS No. 64-19-7</td>
<td>1-2%</td>
</tr>
<tr>
<td>Ethoxylated Di-Alkylamine</td>
<td>Alkoxylated Tallow Amine</td>
<td>CAS No. 61790-85-0</td>
<td>Proprietary*</td>
</tr>
<tr>
<td>Water</td>
<td></td>
<td>CAS No. 7732-18-5</td>
<td>Remaining %</td>
</tr>
</tbody>
</table>

*The exact percentage of this ingredient is a trade secret.

4. FIRST-AID MEASURES

**Necessary 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. Obtain medical attention if breathing difficulty persists.

**Skin Contact:** Remove contaminated clothing. Drench affected area with water for at least 15 minutes. Obtain medical attention if irritation develops or persists.

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

**Ingestion:** Rinse mouth. Do NOT induce vomiting. Get immediate medical attention. Gastric lavage recommended.

**Symptoms/Effects (Acute and Delayed)**

**Inhalation:** May cause respiratory tract irritation.

**Skin Contact:** May produce irritation.

**Eyes:** Causes serious irritation and possible damage.

**Ingestion:** May cause burns or irritation of the linings of the mouth, throat, and gastrointestinal tract.

5. FIRE-FIGHTING MEASURES

**Extinguishing Media**

**Suitable Extinguishing Media:** Carbon dioxide, dry chemical, foam; water spray, fog or mist

**Unsuitable Extinguishing Media:** Unknown

**Specific Hazards**

While not normally combustible, if water content is lost (as in a fire), material may release flammable vapors while exposed to high temperatures. When mixed with air and exposed to an ignition source, vapors can burn in the open or explode if confined. Incomplete combustion may release carbon monoxide, carbon dioxide, and oxides and/or compounds of nitrogen.

Heat from fire may cause sealed containers to rupture violently due to the expansion of compressed gases. Product is corrosive to skin and eyes.

**Special Protective Equipment and Precautions for Fire-Fighters**

Fire-fighters should wear full fire-fighting gear including self-contained breathing apparatus.

Keep containers cool using water spray or fog.

6. ACCIDENTAL RELEASE MEASURES

**Personal Precautions, Protective Equipment, and Emergency Procedures**

Avoid contact with skin, eyes and clothing. Do NOT breathe vapors, mist or spray. Use personal protective equipment specified in Section 8. Prevent entry into sewers and public waters.

**Methods and Materials for Containment and Cleaning Up**

Contain spills with dikes, dirt, sand or other inert absorbents. Recover as much material as possible using a portable pump into salvage containers. Absorb remaining material, and place into salvage containers. Dispose of waste in accordance with local, state and federal regulations.
7. HANDLING AND STORAGE

Precautions for Safe Handling
Avoid contact with skin, eyes and clothing. Avoid breathing vapors. Use only in well ventilated area. Use caution when opening sealed containers. Turn face away, and open bungs, valves or other closures slowly to prevent the sudden release of pressurized gases or vapors into eyes, nose or mouth. Emergency eye wash and shower should be available in the immediate vicinity. Wash thoroughly after handling. Promptly remove contaminated clothing, and wash before reuse.

Conditions for Safe Storage
Store in tightly closed containers at moderate temperatures in dry, well-ventilated area. Keep container closed when not in use. Keep in original container. Store containers in upright position. Store away from strong oxidizers, strong acids, strong bases, ignition sources and combustible materials.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits
No occupational exposure limits have been established for this product.

Engineering Controls
Ensure adequate ventilation. Using product outdoors is usually adequate. If adequate ventilation cannot be maintained, respiratory protection must be available. Emergency eye wash station and safety showers should be available in the immediate vicinity of any potential exposure.

Personal Protective Equipment
Eye Protection: Wear safety glasses or chemical safety goggles.
Skin Protection: Wear chemical resistant gloves and splash apron.
Respiratory Protection: If ventilation is inadequate, a NIOSH approved air purifying or supplied air respirator should be worn.

Other Information
To avoid accidental ingestion, do NOT eat, drink or smoke while using this product. Use good personal hygiene practices. Wash hands, forearms and other exposed skin promptly and thoroughly with soap and water after use. Promptly remove contaminated clothing, and wash before reuse.

9. PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Amber liquid</td>
</tr>
<tr>
<td>Odor</td>
<td>Alcohol odor</td>
</tr>
<tr>
<td>Odor Threshold</td>
<td>Not Available</td>
</tr>
<tr>
<td>pH</td>
<td>6.5 to 8.0</td>
</tr>
<tr>
<td>Melting Point/Freezing Point</td>
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</tr>
<tr>
<td>Boiling Point</td>
<td>&gt;200° F</td>
</tr>
<tr>
<td>Flash Point</td>
<td>&gt;200° F</td>
</tr>
<tr>
<td>Evaporation Rate</td>
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</tr>
<tr>
<td>Flammability</td>
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</tr>
<tr>
<td>Upper Flammability Limit</td>
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<tr>
<td>Lower Flammability Limit</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>Vapor Pressure</td>
<td>25.1 (mm Hg.)</td>
</tr>
<tr>
<td>Vapor Density</td>
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</tr>
<tr>
<td>Relative Density</td>
<td>.996 Specific Gravity</td>
</tr>
<tr>
<td>Solubility</td>
<td>Complete in water</td>
</tr>
<tr>
<td>Partition Coefficient</td>
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</tr>
<tr>
<td>Auto-Ignition Temperature</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>Decomposition Temperature</td>
<td>Not Available</td>
</tr>
<tr>
<td>Viscosity</td>
<td>Not Available</td>
</tr>
</tbody>
</table>
10. STABILITY AND REACTIVITY

Reactivity
Hazardous reactions will not occur during normal usage.

Chemical Stability
This is a stable product under normal handling conditions.

Possibility of Hazardous Reactions
Hazardous polymerization will not occur.

Conditions to Avoid
Exposure to high heat, ignition sources and the following incompatible materials should be avoided.

Incompatible Materials
Strong oxidizing agents, i.e. Hydrogen Peroxide, Bromine and Chromic Acid; Strong Acids; Strong Alkalies

Hazardous Decomposition Products
Carbon Monoxide, Carbon Dioxide, trace oxides and/or compounds of Nitrogen

11. TOXICOLOGICAL INFORMATION

Routes of Exposure
Eye Contact: Causes severe irritation and burns. May cause permanent eye damage.
Skin Contact: Causes irritation. Contact may cause redness, blistering, pain, tissue destruction.
Inhalation: Vapors or mists may irritate nose, throat, respiratory tract.
Ingestion: May be corrosive to the gastrointestinal tract. Severe irritation and burns may result. May irritate or burn mouth, throat and digestive tract. May cause nausea, vomiting and diarrhea. Small amounts of liquid aspirated into the lungs during ingestion or vomiting may cause pulmonary edema.

Other Toxicological Effects
Carcinogenicity: IARC lists Isopropyl Alcohol in Group 3: Not classifiable as to its carcinogenicity to humans
Teratology: Data not available.
Reproduction: Data not available.
Mutagenicity: Data not available.

Acute Toxicity
No test data exists for this mixture. The values listed below are Acute Toxicity Estimates calculated using the formula specified in GHS Chapter 3.1.3.6.1
(APE) LD50 Oral – Rat – 3,104 mg/kg
(APE) LC50 Inhalation – Rat – 4 h – 164,853 ppm
(APE) LC50 Inhalation – Rat – 4 h – 786 mg/l
(APE) LD50 Dermal – Rabbit – 65,963 mg/kg

12. ECOLOGICAL INFORMATION

Ecotoxicity
This product contains an ingredient that is toxic to aquatic life. Avoid release to the environment.

Ethoxylated Di-Alkylamine: LC50 – Oncorhynchus – 96 h – < 1 mg/L

Persistence and Degradability
Not established.

Bioaccumulative Potential
Not established.

Mobility in Soil
Not established

Other Adverse Effects
None
13. DISPOSAL CONSIDERATIONS

Disposal Method
Dispose of in accordance with all local, state and federal regulations. The information offered here is for the product as shipped. Use and/or alteration of the product such as mixing with other materials may significantly change the characteristics of the material, and alter the RCRA classification and the proper disposal method. Emptied containers contain product residue. Follow label warnings even after container is emptied. Do NOT pressurize, cut, weld, solder, drill, grind or expose empty containers to heat, flame, sparks or other sources of ignition. Do NOT dump into any sewers, on the ground or into any body of water.

14. TRANSPORT INFORMATION

US DOT
Identification Number: Not Applicable
Proper Shipping Name: Not DOT Regulated
Hazard Class: Not Applicable
Packing Group: Not Applicable
Label Required: None
Reportable Quantity (RQ): 5000 lbs. (Acetic Acid Glacial) [3,929 gallons C202]
ERG #: Not Applicable

15. REGULATORY INFORMATION

This product or all components of this product are listed on the EPA/TSCA Inventory of Chemical Substances.

SARA Title III Section 311/312 Category Hazards
Immediate (Acute): Yes
Delayed (Chronic): No
Fire Hazard: No
Pressure Release: No
Reactive: No

Regulated Components
Component: Acetic Acid Glacial Isopropyl Alcohol
CAS Number: 64-19-7 67-63-0
CERCLA RQ: Yes No
SARA EHS: No No
SARA 313: No No
U.S. HAP: No No
CA Prop 65: No No

16. OTHER INFORMATION

Revised 6/9/2015

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

Corrosion, Ltd. believes the information contained in this safety data sheet is accurate based on the information supplied by reputable suppliers of our raw materials. We cannot make any assertions as to its reliability or completeness; therefore, the user may rely on it only at user’s risk. We have made no effort to censor or conceal deleterious aspects of this product. Since we cannot anticipate or control the conditions under which this information and product may be used, we make no guarantee that the precautions we have suggested will be adequate for all individuals and/or situations. It is the obligation of each user of this product to comply with the requirements of all applicable laws regarding use and disposal of this product. No warranty, either expressed or implied, or liability of any nature with respect to this product or to the data herein is made or incurred hereunder.