SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

1.1 Product Identifier

Product Name: Union-Gard 160

Product Description: Water displacement corrosion inhibitor; Casing Filler

Synonyms: None

1.2 Relevant identified uses of the substance and uses advised against

1. Casing Sealant for decommissioned oil wells
2. Corrosion inhibitor for hydraulic elevators
3. Oil drilling lubricant

1.3 Supplier's Details

Copper State Specialties
4874 South Warner Dr.
Apache Junction, AZ 85120

1.4 Emergency telephone number:

(888) 299 - GARD

SECTION 2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

GHS Classification in accordance with 29CFR 1910.1200 (OSHA HCS)

2.2 Label Elements

Hazard pictograms: None
Signal word: Not Required
Hazard Statements: Not Classified
Precautionary statements: Not Classified

2.3 Other Hazards

This product does not meet the regulatory definition of a hazardous substance. However, good industrial hygiene practices should be used in handling it. Other hazards which do not result in classification: Prolonged contact may cause skin irritation. Inhalation may cause nausea and headache. Ingestion may result in abdominal cramps, diarrhea, and nausea.

2.4 Environmental Effects:

This material is not expected to produce any significant adverse environmental effects when recommended use instructions are followed.

Section 3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance/mixture:

Product/Ingredient name	Identifiers	%	GHS Classification
Technical White Mineral Oil	Trade Secret	Trade Secret	None
Organophilic Clay 2-Butoxy	Trade Secret	Trade Secret	None
Ethanol Isoparaf finic solvent	Trade Secret	.057 - .323%	None
Calcium Carbonate Lime	Trade Secret	Trade Secret	None

The specific chemical identity and/or concentration is being withheld because it is trade secret information. Remaining ingredients do not require disclosure under regulatory hazard criteria. There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

SECTION 4. FIRST AID MEASURES

4.1 Description of First Aid Measures

Eye Contact:
Flush immediately with a steady stream of water for a minimum of 15 minutes. Lift both the upper and lower eyelids occasionally. Get medical attention after flushing eyes.
Skin Contact:
Wash skin with water.
Inhalation:
Not Applicable
Ingestion:
If patient is conscious and alert, give 24 to 32 ounces (2-3 glasses) of cold water. Do NOT induce vomiting. Seek medical attention

4.2 Most important symptoms and effects

Eye Contact: Rinse eyes immediately with plenty of water. Get medical attention if irritation occurs.
Skin Contact: Rinse with water, seek medical attention if irritation occurs
Inhalation: Not Applicable
Ingestion: Seek medical attention

SECTION 5. FIRE FIGHTING MEASURES

5.1 Extinguishing media:

Non – Flammable; use extinguishing media appropriate for surrounding materials.

5.2 Special hazards arising from the substance or mixture

NONE KNOWN

Hazardous thermal decomposition products:

Oxides of Carbon

5.3 Advise for fire fighters

Special protective equipment for fire fighters: Non – Flammable; use extinguishing media appropriate for surrounding materials.

SECTION 6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Wear protective clothing, gloves, and safety glasses. Spilled material may present slipping hazard.

6.2 Environmental precautions

Methods and materials for containment and cleaning up

Personal Protection in Case of Spill:

Safety Glasses
Rubber Gloves
Liquid Resistant suite

SECTION 7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Minimize handling whenever possible. Only transport sealed containers. Use a barrel pump or controlled barrel tipping devise whenever possible. Open containers slowly.

Hygiene Measures

Always use the appropriate PPE including safety glasses, gloves, and steel toes boots. If splashing can occur also use a face shield.

7.2 Conditions for safe storage, including any incompatibilities

Store in a cool dry place, changes in temperature can increase pressure inside barrel or container.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Occupational exposure limit values:

OSHA and ACGIH have not established specific exposure limits for this mixture. However, OSHA and ACGIH have established limits for particulates not otherwise regulated (PNOR) and particulates not otherwise classified (PNOC) which are the least stringent exposure limits applicable to dusts.

ACGIH TLV	OSHA PEL

8.2 Exposure controls

Engineering measures:

Use process enclosures, local exhaust ventilation, or others engineering controls to keep airborne levels below recommend exposure limits. If user operations generate fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

Personal Protective Measures

Eye protection: This product does not present a significant eye irritation or eye toxicity requiring special protection. Use good industrial practice to avoid eye contact. Wearing protective glasses or goggles are recommended.

Hand protection: Although this product does not present a significant skin concern, minimize skin contamination by following good industrial practice. Wearing protective gloves is recommended. Wash hands and any other contact points after handling.

Respiratory protection: None required when product is used normally. Use MSHA/OSHA approved respiratory protection equipment when airborne exposure limits are exceeded.

Hygiene measures: Wear appropriate clothing and gloves to minimize skin contact. Do not eat, drink, or smoke in the work area. Clean skin thoroughly after work; apply skin cream.

Environmental Exposure Control: Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance	Light Grey / Opaque Liquid
Odor	Aliphatic Odor
Odor Threshold	
pH (1% Solution)	9
Boiling Point	169°F / 76°C
Freezing Point	
Flash Point	Non - Flammable
Melting Point	
Bulk Density	1.10 to 1.12 Specific Gravity
Water Solubility	Yes
Vapor Pressure	
Vapor Density	2.4
Evaporation Rate	<1

NOTE: This physical data are typical values based on material tested but may vary from sample to sample. Typical values should not be construed as a guaranteed analysis of any specific lot or as specifications for the product.

SECTION 10. STABILITY AND REACTIVITY

Reactivity

Stability - Stable

Conditions to avoid – Extreme temperatures may cause pressure buildup in storage

Incompatible materials – None known

Hazardous reactions – None known

Hazardous decomposition products – Oxides of Carbon

SECTION 11. TOXICOLOGIAL INFORMATION

11.1 Information in toxicological effects

Acute Toxicity

Inhalation: May cause irritation to the respiratory tract. Symptoms may include coughing, sneezing, chest pain, runny nose and burning throat. Inhalation of product may aggravate existing chronic respiratory disease.
Ingestion: Swallowing large amounts may cause abdominal discomfort and diarrhea. Symptoms may include nausea, vomiting and diarrhea.
Skin contact: May cause mild irritation to skin. Symptoms may include redness.
Eyes contact: May cause irritation to eyes. Symptoms may include stinging, tearing, redness and swelling.
Sensitization: Not expected to be a sensitizer.
Bisphenol A (BPA): BPA is not used in the production this material and is not intentionally added with any additives used in the manufacture of this material.

Chronic toxicity

Carcinogenicity: Classification for carcinogenicity is not warranted. This product does not contain any substances that are considered by IARC, NTP, OSHA, EU or ACGIH to be "probable" or "suspected" human carcinogens.
Mutagenicity: Classification for mutagenicity is not warranted.
Reproductive toxicity: Classification for reproductive toxicity is not warranted.
Specific target organ toxicity (single exposure): Classification for specific target organ toxicity is not warranted.
Specific target organ toxicity (repeated exposure): Classification for specific target organ toxicity is not warranted.
Aspiration hazard: Based on available data, the classification criteria are not met.

SECTION 12. ECOLOGICAL INFORMATION

12.1 Ecotoxicity - Not available; no ecotoxicity studies have been conducted by the manufacturer.
12.2 Persistence and Degradability: Not applicable, since inorganic substance. Degradability in sewage works: Slow hydrolysis to orthophosphate form.
12.3 Bioaccumulative potential: Not expected to bioconcentrate.
12.4 Mobility in soil: Soluble in water.

12.5 Other adverse effects: This material is not expected to product any significant adverse environmental effects when recommended use instructions are followed.

SECTION 13. DESPOSAL CONSIDERATIONS

Waste Disposal Method:

Hazardous waste: Not Applicable

Packing: Empty containers should be taken to local waste disposal or recycling

SECTION 14. TRANSPORT INFORMATION

DOT Proper shipping name: Not Regulated

UN Number: Not Applicable

Marine Pollutant: No

Transport Label: None

NMFC Description:

SECTION 15. REGULATORY INFORMATION

NSF/ANSI Certification

RoHS2 Compliance

REACH Compliance

CERCLA

SARA 302

SARA 311/312 Hazard Categories	Acute/Immediate	Chronic/Delayed	Fire	Reactivity	Pressure
	NO	NO	NO	NO	NO
SARA 313	NO	NO	NO	NO	NO
CALIFORNIA PROPOSITION 65	NO	NO	NO	NO	NO

Chemical Inventory List

Australia (AICS)	All components are listed on the Australian Inventory of Chemical Substances.
Canada (DSL)	All components are listed on the Canada Domestic Substance List.
China (IECSC)	All components are listed on the Inventory of Existing Chemical Substances in China.
Europe (EINECS)	All components are listed on the European Chemical Substances Information System.
Japan (METI/CSCL)	All components are listed on the METI/CSCL Inventory list.
Korea (KECI)	All components are listed on the Korean Existing Chemicals Inventory.
New Zealand (NZIoC)	All components are listed on the New Zealand Inventory of Chemicals.
Philippines (PICCS)	All components are listed on the Philippine Inventory of Chemicals and Chemical Substances
Taiwan (TCSI)	All components are listed on the Taiwan Chemical Substance Inventory.
USA (TSCA)	All components are listed on the US TSCA Inventory or exempt.

SECTION 16. OTHER INFORMATION

REVISION DATE: 2/17/2016

SUPERSEDES DATE: 6/18/2015

	HEALTH	FIRE	REACTIVITY	OTHER
Suggested NFPA Rating				
Suggested HMIS Rating				

NOTICE:

The information provided on this Safety Data Sheet (SDS) is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text. Manufacturer expressly disclaims all express or implied warranties of merchantability and fitness for a particular purpose, with respect to the product or information provided herein, and shall under no circumstances be liable for incidental or consequential damages. Do not use ingredient information and/or ingredient percentages in this 50S as a product specification. For product specification information refer to a product specification sheet and/or a certificate of analysis. All information appearing herein is based upon data obtained from the manufacturer and/or recognized technical sources. While the information is believed to be accurate, Manufacturer makes no representations as to its accuracy or sufficiency. Conditions of use are beyond Manufacturer's control and therefore users are responsible to verify this data under their own operating conditions to determine whether the product is suitable for their particular purposes and they assume all risks of their use, handling, and disposal of the product, or from the publication or use of, or reliance upon, information contained herein. This information relates only to the product designated herein, and does not relate to its use in combination with any other material or in any other process.