

## Safety Data Sheet



### Section 1: Identification

#### Product identifier

- Product Name** • WERCS Iso-HEET® Gas Line Antifreeze
- Synonyms** • 593224
- Product Code** • 28202; 28204; 28206; 28214

#### Relevant identified uses of the substance or mixture and uses advised against

- Recommended use** • Gasoline fuel additive
- Restrictions on use** • Use per the label directions

#### Details of the supplier of the safety data sheet

- Manufacturer** • Gold Eagle Co.  
4400 S. Kildare Avenue  
Chicago, IL 60632-4372  
United States  
<http://www.goldeagle.com/>
- Telephone (General)** • 773-376-4400

#### Emergency telephone number

- Manufacturer** • 1-800-535-5053 - (INFOTRAC #22283)

### Section 2: Hazard Identification

#### United States (US)

According to: OSHA 29 CFR 1910.1200 HCS

#### Classification of the substance or mixture

- OSHA HCS 2012**
- Flammable Liquids 2
  - Eye Irritation 2
  - Specific Target Organ Toxicity Single Exposure 3: Respiratory Tract Irritation
  - Specific Target Organ Toxicity Single Exposure 3: Narcotic Effects
  - Germ Cell Mutagenicity 2
  - Carcinogenicity 2
  - Reproductive Toxicity 1B
  - Specific Target Organ Toxicity Single Exposure 2

#### Label elements

OSHA HCS 2012

#### DANGER



- Hazard statements** • Highly flammable liquid and vapour  
Causes serious eye irritation  
May cause respiratory irritation  
May cause drowsiness or dizziness

Suspected of causing genetic defects.  
 Suspected of causing cancer.  
 May damage fertility or the unborn child - via Inhalation  
 May cause damage to organs.

**Precautionary statements**

- Prevention •** Obtain special instructions before use.  
 Do not handle until all safety precautions have been read and understood.  
 Keep away from heat, sparks, open flames and/or hot surfaces. - No smoking.  
 Keep container tightly closed.  
 Ground and/or bond container and receiving equipment.  
 Use explosion-proof electrical/ventilating/lighting/equipment.  
 Use only non-sparking tools.  
 Take precautionary measures against static discharge.  
 Do not breathe mist/vapours/spray.  
 Wash thoroughly after handling.  
 Do not eat, drink or smoke when using this product.  
 Use only outdoors or in a well-ventilated area.  
 Wear protective gloves/protective clothing/eye protection/face protection.

- Response •** In case of fire: Use appropriate media for extinction.  
 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
 Call a POISON CENTER or doctor/physician if you feel unwell.  
 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.  
 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 If eye irritation persists: Get medical advice/attention.  
 IF exposed or if you feel unwell: Call a POISON CENTER or doctor/physician.

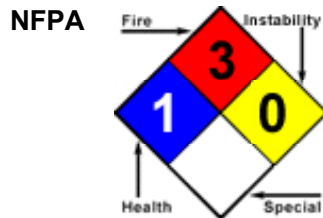
- Storage/Disposal •** Store in a well-ventilated place. Keep container tightly closed.  
 Store locked up.  
 Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

**Other hazards**

OSHA HCS 2012

- Under United States Regulations (29 CFR 1910.1200 - Hazard Communication Standard), this product is considered hazardous.

**Other information**



**Section 3 - Composition/Information on Ingredients**

**Substances**

- Material does not meet the criteria of a substance.

**Mixtures**

Composition				
Chemical Name	Identifiers	%	LD50/LC50	Classifications According to Regulation/Directive

Isopropyl alcohol	CAS:67-63-0	99.9998%	NDA	<b>OSHA HCS 2012:</b> Flam. Liq. 2; Eye Irrit. 2; Muta. 2; Repr. 2; STOT SE 3: Narc.; STOT SE 3: Resp. Irrit.; STOT RE 2
Xylene	CAS:1330-20-7	0.0002%	NDA	<b>OSHA HCS 2012:</b> Skin Irrit. 2; Eye Irrit. 2; Acute Tox. Inhal. 4; STOT SE 3: Narc.; STOT SE 3: Resp. Irrit.; Flam. Liq. 3; Repr. 1B

## Section 4: First-Aid Measures

### Description of first aid measures

#### Inhalation

- Move victim to fresh air. Administer oxygen if breathing is difficult. Give artificial respiration if victim is not breathing.

#### Skin

- In case of burns, immediately cool affected skin for as long as possible with cold water. Do not remove clothing if adhering to skin. In case of contact with substance, immediately flush skin with running water for at least 20 minutes. Remove and isolate contaminated clothing. Wash skin with soap and water.

#### Eye

- Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first five minutes, then continue rinsing eye. Get medical attention immediately.

#### Ingestion

- Do NOT induce vomiting. Obtain medical attention immediately if ingested.

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

- Refer to Section 11 - Toxicological Information.

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

#### Notes to Physician

- All treatments should be based on observed signs and symptoms of distress in the patient. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred.

## Section 5: Fire-Fighting Measures

### Extinguishing media

- Suitable Extinguishing Media** • Use halon replacement or carbon dioxide extinguishers or alcohol foam for small fires. Large fires should be extinguished with alcohol foam.

**Unsuitable Extinguishing Media**

- Water spray or fog can cool fire but may not be effective in extinguishing fire.

### Special hazards arising from the substance or mixture

**Unusual Fire and Explosion Hazards**

- Containers may explode when heated. Vapor explosion hazard indoors, outdoors or in sewers. **HIGHLY FLAMMABLE:** Will be easily ignited by heat, sparks or flames. Many liquids are lighter than water. Most vapors are heavier than air. They will spread along ground and collect in low or confined areas (sewers, basements, tanks). Runoff to sewer may create fire or explosion hazard. Vapors may form explosive mixtures with air. Vapors may travel to source of ignition and flash back.

**Hazardous Combustion Products**

- No data available

### Advice for firefighters

- Structural firefighters' protective clothing will only provide limited protection. Wear positive pressure self-contained breathing apparatus (SCBA). Move containers from fire area if you can do it without risk. **LARGE FIRES:** Cool containers with flooding quantities of water until well after fire is out.

## Section 6 - Accidental Release Measures

### Personal precautions, protective equipment and emergency procedures

#### Personal Precautions

- Ventilate the area. Do not walk through spilled material. Use appropriate Personal Protective Equipment (PPE) Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Do not breathe mist, vapours and/or spray. Avoid contact with skin, eyes, and clothing.

#### Emergency Procedures

- As an immediate precautionary measure, isolate spill or leak area for at least 50 meters (150 feet) in all directions. If tank, rail car or tank truck is involved in a fire, ISOLATE for 800 meters (1/2 mile) in all directions; also, consider initial evacuation for 800 meters (1/2 mile) in all directions. LARGE SPILL: Consider initial downwind evacuation for at least 300 meters (1000 feet) ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Keep unauthorized personnel away. Stay upwind. Keep out of low areas. Ventilate closed spaces before entering.

### Environmental precautions

- Prevent entry into waterways, sewers, basements or confined areas.

### Methods and material for containment and cleaning up

#### Containment/Clean-up Measures

- Stop leak if you can do it without risk. Absorb or cover with dry earth, sand or other non-combustible material and transfer to containers. Use clean non-sparking tools to collect absorbed material. A vapor suppressing foam may be used to reduce vapors. All equipment used when handling the product must be grounded. LARGE SPILLS: Dike far ahead of liquid spill for later disposal. LARGE SPILLS: Water spray may reduce vapor; but may not prevent ignition in closed spaces.

## Section 7 - Handling and Storage

### Precautions for safe handling

#### Handling

- Use only with adequate ventilation. Keep away from heat, sparks, and flame. All equipment used when handling the product must be grounded. Take precautionary measures against static charges. Do not use sparking tools. Contact lenses should not be worn when working with this chemical. Wear appropriate personal protective equipment, avoid direct contact. Do not breathe mist, vapours and/or spray. Avoid contact with skin, eyes, and clothing. Wash thoroughly with soap and water after handling and before eating, drinking, or using tobacco.

### Conditions for safe storage, including any incompatibilities

#### Storage

- Keep container tightly closed. Keep away from sources of ignition – No Smoking. Store in a cool, dry, well-ventilated place. Empty containers contain product residues, assume emptied containers to have same hazards as full containers.

## Section 8 - Exposure Controls/Personal Protection

### Control parameters

Exposure Limits/Guidelines				
	Result	ACGIH	NIOSH	OSHA
Isopropyl alcohol (67-63-0)	TWAs	200 ppm TWA	400 ppm TWA; 980 mg/m3 TWA	400 ppm TWA; 980 mg/m3 TWA
	STELs	400 ppm STEL	500 ppm STEL; 1225 mg/m3 STEL	Not established

### Exposure controls

#### Engineering Measures/Controls

- Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other

engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Use only appropriately classified electrical equipment.

**Personal Protective Equipment**

**Respiratory**

- In case of insufficient ventilation, wear suitable respiratory equipment. Follow the OSHA respirator regulations found in 29 CFR 1910.134. Use a NIOSH/MSHA approved respirator if exposure limits are exceeded or symptoms are experienced.

**Eye/Face**

- Wear chemical splash safety goggles.

**Skin/Body**

- Wear appropriate gloves. Wear protective clothing

**Environmental Exposure Controls**

- Controls should be engineered to prevent release to the environment, including procedures to prevent spills, atmospheric release and release to waterways. Follow best practice for site management and disposal of waste.

**Key to abbreviations**

ACGIH = American Conference of Governmental Industrial Hygiene

STEL = Short Term Exposure Limits are based on 15-minute exposures

NIOSH = National Institute of Occupational Safety and Health

TWA = Time-Weighted Averages are based on 8h/day, 40h/week exposures

OSHA = Occupational Safety and Health Administration

**Section 9 - Physical and Chemical Properties**

**Information on Physical and Chemical Properties**

<b>Material Description</b>			
Physical Form	Liquid	Appearance/Description	Water-white liquid.
Color	Water-white	Odor	No data available
Odor Threshold	No data available		
<b>General Properties</b>			
Boiling Point	> 180 °F(> 82.2222 °C)	Melting Point/Freezing Point	No data available
Decomposition Temperature	No data available	pH	No data available
Specific Gravity/Relative Density	= 0.79 Water=1	Water Solubility	Soluble 100 %
Viscosity	3 Centistoke (cSt, cS) or mm2/sec @ 25 °C(77 °F)		
<b>Volatility</b>			
Vapor Pressure	32.25 mmHg (torr)	Vapor Density	> 1 Air=1
Evaporation Rate	2.2 n-Butyl Acetate = 1		
<b>Flammability</b>			
Flash Point	54 °F(12.2222 °C)	UEL	12.7 %
LEL	2 %	Autoignition	No data available
Flammability (solid, gas)	No data available		
<b>Environmental</b>			
Octanol/Water Partition coefficient	No data available		

**Section 10: Stability and Reactivity**

**Reactivity**

- No dangerous reaction known under conditions of normal use.

**Chemical stability**

- Stable under normal temperatures and pressures.

**Possibility of hazardous reactions**

- Hazardous polymerization will not occur.

## Conditions to avoid

- Keep away from heat, sparks, and flame.

## Incompatible materials

- Strong oxidizing agents, amines, chlorinated compounds, and caustic materials.

## Hazardous decomposition products

- Excessive heating and/or incomplete combustion will produce carbon monoxide.

## Section 11 - Toxicological Information

### Information on toxicological effects

Components	
Isopropyl alcohol (99.9998%)	<p><b>Acute Toxicity:</b> Ingestion-Oral-Rat LD50 • 5000 mg/kg; <i>Behavioral:General anesthetic</i>; Inhalation-Rat LC50 • 16000 ppm 8 Hour(s); Skin-Rabbit LD50 • 12800 mg/kg;</p> <p><b>Irritation:</b> Eye-Rabbit • 100 mg • Severe irritation; Skin-Rabbit • 500 mg • Mild irritation;</p> <p><b>Multi-dose Toxicity:</b> Inhalation-Mouse TClO • 5000 ppm 6 Hour(s) 13 Week(s)-Intermittent; <i>Behavioral:General anesthetic; Behavioral:Ataxia; Liver:Changes in liver weight</i>; Inhalation-Rat TClO • 1000 mg/m<sup>3</sup> 6 Hour(s) 4 Week(s)-Intermittent; <i>Sense Organs and Special Senses:Eye:Optic nerve neuropathy</i>; Inhalation-Rat TClO • 500 mg/m<sup>3</sup> 4 Hour(s) 122 Day(s)-Intermittent; <i>Liver:Multiple effects; Kidney, Ureter, and Bladder:Other changes; Nutritional and Gross Metabolic:Gross Metabolite Changes:Weight loss or decreased weight gain</i>; Inhalation-Rat TClO • 20 mg/m<sup>3</sup> 24 Hour(s) 90 Day(s)-Continuous; <i>Brain and Coverings:Other degenerative changes; Lungs, Thorax, or Respiration:Other changes; Liver:Multiple effects</i>; Inhalation-Rat TClO • 100 mg/m<sup>3</sup> 4 Hour(s) 17 Week(s)-Intermittent; <i>Kidney, Ureter, and Bladder:Other changes in urine composition; Blood:Changes in serum composition (e.g., TP, bilirubin cholesterol); Biochemical:Enzyme inhibition, induction, or change in blood or tissue levels:True cholinesterase</i>;</p> <p><b>Mutagen:</b> Cytogenetic analysis • Inhalation-Rat • 1030 µg/m<sup>3</sup> 16 Week(s)-Intermittent;</p> <p><b>Reproductive:</b> Inhalation-Rat TClO • 3500 ppm 7 Hour(s)(1-19D preg); <i>Reproductive Effects:Effects on Embryo or Fetus:Fetotoxicity (except death, e.g., stunted fetus)</i>; Inhalation-Rat TClO • 10000 ppm 7 Hour(s)(1-19D preg); <i>Reproductive Effects:Effects on Fertility:Pre-implantation mortality; Reproductive Effects:Effects on Fertility:Post-implantation mortality; Reproductive Effects:Effects on Embryo or Fetus:Fetal death</i>; Inhalation-Rat TClO • 7000 ppm 7 Hour(s)(1-19D preg); <i>Reproductive Effects:Specific Developmental Abnormalities:Musculoskeletal system</i></p>

GHS Properties	Classification
Acute toxicity	OSHA HCS 2012 • Data lacking
Skin corrosion/Irritation	OSHA HCS 2012 • Data lacking
Serious eye damage/Irritation	OSHA HCS 2012 • Eye Irritation 2
Skin sensitization	OSHA HCS 2012 • Data lacking
Respiratory sensitization	OSHA HCS 2012 • Data lacking
Aspiration Hazard	OSHA HCS 2012 • Data lacking
Carcinogenicity	OSHA HCS 2012 • Carcinogenicity 2
Germ Cell Mutagenicity	OSHA HCS 2012 • Germ Cell Mutagenicity 2
Toxicity for Reproduction	OSHA HCS 2012 • Toxic to Reproduction 1B
STOT-SE	OSHA HCS 2012 • Specific Target Organ Toxicity Single Exposure 2; Specific Target Organ Toxicity Single Exposure 3: Narcotic Effects; Specific Target Organ Toxicity Single Exposure 3: Respiratory Tract Irritation
STOT-RE	OSHA HCS 2012 • Data lacking

## Potential Health Effects

### Inhalation

**Acute (Immediate)**

- May cause respiratory irritation. May affect the central nervous system. Symptoms may include dizziness, drowsiness, lethargy, coma and death.

**Chronic (Delayed)**

- No data available.

**Skin**

**Acute (Immediate)**

- May cause irritation.

**Chronic (Delayed)**

- No data available.

**Eye**

**Acute (Immediate)**

- Causes serious eye irritation.

**Chronic (Delayed)**

- No data available.

**Ingestion**

**Acute (Immediate)**

- Human systemic effects from ingestion of Isopropyl alcohol: flushing, pulse rate decr, blood pressure lowering, anesthesia, /CNS depression/, headache, dizziness, mental depression, hallucinations, distorted perceptions, dyspnea, respiratory depression, nausea or vomiting, coma.

**Chronic (Delayed)**

- No data available.

**Other**

**Acute (Immediate)**

- May cause damage to organs.

**Mutagenic Effects**

- Repeated and prolonged exposure may cause mutagenic effects.

**Carcinogenic Effects**

- Suspected of causing cancer.

**Reproductive Effects**

- Animal tests for components have shown adverse reproductive effects.

**Key to abbreviations**

LD = Lethal Dose

TC = Toxic Concentration

TD = Toxic Dose

**Section 12 - Ecological Information**

**Toxicity**

- Non-mandatory section - information about this substance not complied for this reason.

**Persistence and degradability**

- Non-mandatory section - information about this substance not complied for this reason.

**Bioaccumulative potential**

- Non-mandatory section - information about this substance not complied for this reason.

**Mobility in Soil**

- Non-mandatory section - information about this substance not complied for this reason.

**Other adverse effects**

- Non-mandatory section - information about this substance not complied for this reason.

**Section 13 - Disposal Considerations**

**Waste treatment methods**

- Product waste** • Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.
- Packaging waste** • Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

### Section 14 - Transport Information

	UN number	UN proper shipping name	Transport hazard class(es)	Packing group	Environmental hazards
DOT	ORM-D	Consumer commodity	NDA	NDA	NDA

- Special precautions for user** • None specified.
- Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** • No data available

### Section 15 - Regulatory Information

#### Safety, health and environmental regulations/legislation specific for the substance or mixture

**SARA Hazard Classifications** • Acute, Chronic, Fire

Inventory		
Component	CAS	TSCA
Isopropyl alcohol	67-63-0	Yes
Xylene	1330-20-7	Yes

#### United States

##### Environment

U.S. - CWA (Clean Water Act) - Hazardous Substances

- |                     |           |                               |
|---------------------|-----------|-------------------------------|
| • Isopropyl alcohol | 67-63-0   | Not Listed                    |
| • Xylene            | 1330-20-7 | (listed under Xylene (mixed)) |

#### Other Information

- **WARNING:** This product contains a chemical known to the State of California to cause cancer, birth defects, or other reproductive harm.

### Section 16 - Other Information

- Revision Date** • 29/February/2016
- Preparation Date** • 29/February/2016
- Other Information** • Schedule B Number: 3820.00.0000.
- Disclaimer/Statement of Liability** • Information presented herein is believed to be factual, as it has been derived from the works and opinions of persons believed to be qualified experts. However, nothing contained in this information is to be taken as warranty or representation for which the Gold Eagle Co. bears legal responsibility. The user should review any recommendations in the specific context of the intended use to determine whether they are appropriate.

#### Key to abbreviations

NDA = No data available