

Complies with OSHA's Hazard Communication Standard 29 CFR 1910.1200.

**DATE OF PREPARATION:** December 1998

**DATE OF REVISION:** September 2009

# GOODSON

**Tools and Supplies for Engine Builders**

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## 1. IDENTIFICATION

**Part No. and Description:** AGC-10 and AGC-50 Resurfacer Coolant for Aluminum 1 gallon and 5 gallons. (Cleardge 6525)

**Emergency Phone:** 800-688-4005 (24 hours)

## 2. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Ingredient Name</u>	<u>CAS Number</u>	<u>% by weight</u>
Distillates (petroleum), hydrotreated, heavy naphthenic (highly refined mineral oil)	64742-52-5	10-15
Highly refined mineral oil (proprietary)	proprietary	1-5
alcohols, c12-14-secondary, ethoxylated	84133-50-6	1-5
2-cyclohexene-1-octanoic acid, 5(or 6) carboxy-4-hexyl-, compd, with 2, 2',2''-nitritoltris[ethanol]	84235-46-1	1-5
Boric acid	10043-35-3	1-5
3-Iodo-2-propynyl butylcarbamate	55406-53-6	0.1-1

## 3. HAZARDS IDENTIFICATION

**Physical state:** Liquid

**Color:** Clear to hazy, yellow to amber (dark).

**Emergency Overview:**

**Warning:**Harmful if swallowed. Harmful if absorbed through skin. Causes eye irritation. Causes skin irritation. May cause respiratory tract irritation.

Do not ingest. If ingested do not induce vomiting. Avoid contact with skin and clothing. In accordance with good industrial hygiene and safety work practices, airborne exposures should be controlled to the lowest extent practicable. Keep container closed. Use only with adequate ventilation. Wash thoroughly after handling.

**Routes of entry:** Dermal contact. Eye contact. Inhalation. Ingestion.

**Potential health effects:**

**Eyes:** Causes eye irritation.

**Skin:** Harmful if absorbed through the skin. Causes skin irritation.

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

**Ingestion:** Harmful if swallowed.

**Medical conditions aggravated by over-exposure:** None identified.

See toxicological information (section 11)

## 4. FIRST AID MEASURES

**Eye Contact:** In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention of irritation develops.

**Skin Contact:**In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention if irritation develops.

**Inhalation:** If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention if irritation develops.

**Ingestion:** If swallowed, do NOT induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention. Harmful if swallowed.

## 5. FIRE-FIGHTING MEASURES

**Flammability of the product:** May be combustible at high temperature.

**Products of combustion:** These products are carbon oxides (CO, CO<sub>2</sub>), nitrogen oxides (NO, NO<sub>2</sub>, etc.) sulfur oxides (SO<sub>2</sub>,SO<sub>3</sub>, etc) Some metallic oxides.

**Unusual fire/explosion hazards:** This material is not explosive as defined by established regulatory criteria.

**Fire-fighting media and instructions:** In case of fire, use water fog, foam, dry chemicals, or carbon dioxide.

**Protective clothing (fire):** Fire-fighters should wear positive pressure self-contained breathing apparatus (SCBA) and full turnout gear.

## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions:** Immediately contact emergency personnel. Keep unnecessary personnel away. Use suitable protective equipment (See section: "Exposure controls/personal protection"). Follow all fire fighting procedures (See section: "Fire-fighting measure").

**Environmental precautions and clean-up methods:** If emergency personnel are unavailable, contain spilled material. For small spills add absorbent (soil may be used in the absence of other suitable materials) scoop up material and place in a sealed, liquid-proof container for disposal. For large spills dike spilled material or otherwise contain material to ensure runoff does not reach a waterway. Place spilled material in an appropriate container for disposal. Avoid contact of spilled material with soil and prevent runoff entering surface waterways. See section 13 for Waste Disposal Information.

**Personal protection in case of a large spill:** Splash goggles. Full suit. Boots. Gloves. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

## 7. HANDLING AND STORAGE

**Handling:** Do not ingest. Do not get in eyes, on skin or on clothing. Avoid contact with skin and clothing. Use only with adequate ventilation. In accordance with good industrial hygiene and safety work practices, airborne exposures should be controlled to the lowest extent practicable. Wash thoroughly after handling. DO NOT ADD NITRITES TO THIS FLUID.

**Storage:** Keep container tightly closed. Keep container in a cool, well-ventilated area. Empty containers may contain harmful, flammable/combustible or explosive residue or vapors. Do not cut, grind, drill, weld, reuse or dispose of containers unless adequate precautions are taken against these hazards.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Occupational Exposure

#### **Ingredient name**

Distillates (petroleum), hydrotreated,  
heavy naphthenic (highly refined mineral oil)

Highly refined mineral oil (proprietary)

alcohols, c12-14-secondary, ethoxylated  
2-cyclohexene1-octanoic acid, 5 (or 6)-carboxy-4-hexyl-, compd,  
with 2,2',2''-nitrilotris [ethanol]  
Boric acid

3-Iodo-2-propynyl butylcarbamate

**Control Measures:** Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective occupational exposure limits.

**Hygiene measures:** Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period.

#### **Personal Protection:**

**Eyes:** Avoid contact with eyes. Safety glasses with side shields.

**Skin and body:** Do not get on skin or clothing. Wear suitable protective clothing.

**Respiratory:** Use only with adequate ventilation. In accordance with good industrial hygiene and safety work practices, airborne exposures should be controlled to the lowest extent practicable.

**Hands:** Wear suitable gloves.

Consult local authorities for acceptable exposure limits.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Physical State:** Liquid

**Odor:** Slight

**Density:** 996 kg/m<sup>3</sup> (0.996 g.cm<sup>3</sup>) at 15.6°C

**Dispersibility properties:** See solubility in water.

#### **Occupational exposure limits**

##### **ACGIH(United States)**

STEL: 10 mg/m<sup>3</sup> 15 minute(s): Form: Oil mist, mineral

TWA: 5 mg/m<sup>3</sup> 8 hour(s): Form: Oil mist, mineral

##### **OSHA (United States)**

TWA: 5 mg/m<sup>3</sup> 8 hour(s): Form: Oil mist, mineral

##### **ACGIH (United States)**

STEL: 10 mg/m<sup>3</sup> 15 minute(s): Form: Oil mist, mineral

TWA: 5 mg/m<sup>3</sup> 8 hour(s): Form: Oil mist, mineral

##### **OSHA (United States)**

TWA: 5mg/m<sup>3</sup> 8 hour(s). Form: Oil mist, mineral

None assigned.

None assigned.

##### **ACGIH TLV (United States, 1/2005)**

STEL: 6 mg/m<sup>3</sup> 15 minute(s).

TWA: 2 mg/m<sup>3</sup> 8 hour(s).

None assigned.

**pH:** 9 (basic) at 5%

**Color:** Clear to hazy, yellow to amber (dark).

**Solubility:** Easily soluble in cold water, hot water.

## 10. STABILITY & REACTIVITY

**Stability and reactivity:** The product is stable.

**Conditions to Avoid:** Not available.

**Incompatibility with various substances:** Not available.

**Hazardous decomposition products:** Not available.

**Hazardous polymerization:** Will not occur.

## 11. TOXICOLOGICAL INFORMATION

### Chronic toxicity

**Carcinogenic effects:** No component of this product at levels greater than 0.1% is identified as a carcinogen by ACGIH or the International Agency for Research on Cancer (IARC). No component of this product present at levels greater than 0.1% is identified as a carcinogen by the U.S. National Toxicology Program (NTP) or the U.S. Occupational Safety of Health Act (OSHA).

**Mutagenic Effects:** No component of this product at levels greater than 0.1% is classified by established regulatory criteria as a mutagen.

**Reproductive Effects:** No component of this product at levels greater than 0.1% is classified by established regulatory criteria as a reproductive toxin.

**Teratogenic effects:** No component of this product at levels greater than 0.1% is classified by established regulatory criteria as teratogenic or embryotoxic.

**Other chronic toxicity data:** Alkanolamine: This product contains an alkanolamine. In all metalworking fluids containing amines, there is a potential for forming nitrosamines which are animal carcinogens. Therefore, no nitrites or related nitrosating agents should be added to such compositions.

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity:** No testing has been performed by the manufacturer.

## 13. DISPOSAL CONSIDERATIONS

**Waste information:** Avoid contact of spilled material and runoff with soil and surface waterways. Consult an environmental professional to determine if local, regional or national regulations would classify spilled or contaminated materials as hazardous waste. Use only approved transporters, recyclers, treatment, storage or disposal facilities. Dispose of in accordance with all applicable local and national regulations.

**RCRA Waste Code(s):** USED OIL

Consult your local or regional authorities.

## 14. TRANSPORT INFORMATION

Not classified as hazardous for transport (DOT, TDG, IMO/IMDG, IATA/ICAO).

## 15. REGULATORY INFORMATION

**US FEDERAL REGULATIONS:** US Inventory (TSCA): In compliance

This product is not regulated under Section 302 of SARA and 40 CFR part 355.

SARA 311/312 MSDS distribution-chemical inventory-hazard identification: CLEAREEDGE 6525:

Immediate (Acute)Health Hazard, Delayed (Chronic) Health Hazard

### SARA 313

**Form R-Reporting requirements:** This product does not contain any hazardous ingredients at or above regulated thresholds.

**Supplier notification:** This product does not contain any hazardous ingredients at or above regulated thresholds.

CERCLA Sections 102a/103 Hazardous Substances (40 CFR Part 302.4): This material is not regulated under CERCLA Sections 103 and 107.

**State Regulations:** Massachusetts RTK: Highly refined mineral oil (proprietary) dipropylene glycol methyl ether.

New Jersey: 20(2-Butoxyethoxy) Ethanol;dipropylene glycol methyl ether.

Pennsylvania RTK: 2-(2-Butoxyethoxy)Ethanol (environmental hazard, generic Environmental hazard): dipropylene glycol methyl ether (generic environmental hazard).

**Warning:** This product contains a chemical known to the State of California to cause cancer: Propylene oxide; Acetaldehyde; 1, 4-dioxane; Formaldehyde.

**Warning:** This product contains a chemical known to the State of California to cause cancer and birth defects or other reproductive harm: Ethylene oxide

**Inventories:** Australian Inventory (AICS): Not determined.

Canada Inventory (DSL): Not listed.

China Inventory (IECS): Not determined.  
EC Inventory (EINECS/ELINCS): Not determined.  
Japan Inventory (ENCS): Not listed.  
Korea Inventory (ECL): Not determined.  
Philippine Inventory (PICCS): Not listed.

## 16. OTHER INFORMATION

### Label requirements:

**WARNING:** Harmful if swallowed, harmful if absorbed through skin. Causes eye irritation. Causes skin irritation. May cause respiratory tract infection.

**HMIS Rating:** Health: 1            Flammability: 1            Physical Hazard: 0            Personal Protection: B

**Other special considerations:** Petroleum oil: STEL=10 mg/m<sup>3</sup>. Using terminology of the International Agency for Research on Cancer (IARC), the petroleum distillates listed in Section II are classified by the supplier as severely processed. Not all those listed in Section II may be present. The supplier has stated that these distillates do not require a carcinogen label as defined by OSHA 29 CFR 1910.1200.

### Notice to reader:

All reasonably practicable steps have been taken to ensure this data sheet and the health, safety and environmental information contained in it is accurate as of the date specified. No warranty or representation, express or implied is made as to the accuracy or completeness of the data and information in this data sheet.

The data and advice given apply when the product is sold for the stated application or applications. You should not use the product other than for the stated application or applications without seeking advice from us.

It is the user's obligation to evaluate and use this product safely and to comply with all applicable laws and regulations. Goodson Tools and Supplies shall not be responsible for any damage or injury resulting from use, other than the stated product use of the material, from any failure to adhere to recommendations, or from any hazards inherent in the nature of the material. Purchasers of the product for supply to a third party for use at work, have a duty to take all necessary steps to ensure that any person handling or using the product is provided with the information in this sheet. Employers have a duty to tell employees and others who may be affected of any hazards described in this sheet and of any precautions that should be taken.