




# SAFETY DATA SHEET

## SWISS GOLD SYNTHETIC CUTTING OIL

### Section 1. Identification

<b>Product name</b>	Swiss Gold Synthetic Cutting Oil
<b>Recommended product use</b>	Lubricant
<b>Manufacturer</b>	CUTTING EDGE FLUIDS, INC. 777 CANTERBURY ROAD WESTLAKE, OH 44145
<b>General information telephone</b>	(440)899-6340
<b>EMERGENCY TELEPHONE</b>	(800) 424-9300 (Chemtrec)

### Section 2. Hazards identification

<b>OSHA/HCS status</b>	Product is hazardous as defined by the OSHA Hazard Communication (29 CFR 1910.1200).
<b>Physical hazards</b>	Not classified
<b>Health hazards</b>	Aspiration hazard - Category 1 Aquatic hazard (Acute) – Category 2 Aquatic hazard (Long Term) – Category 2
<b>GHS label elements</b>	
<b>Signal word</b>	Danger
<b>Hazard statements</b>	May be fatal if swallowed and enters airways. Toxic to aquatic life with long lasting effects.
<b>Precautionary statements</b>	
<b>Prevention</b>	Do not breathe dusts or mists. Wash thoroughly after handling. Do not eat, drink, or smoke when using this product. Avoid release to the environment.
<b>Response</b>	IF SWALLOWED: Immediately seek medical attention or call a POISON CENTER. Do NOT induce vomiting. IF EXPOSED OR CONCERNED: Get medical advice/attention. Collect spillage.

<b>Storage</b>	Store locked up and indoors at room temperature. Keep containers closed.
<b>Disposal</b>	Dispose of product and container in accordance with local, state, federal and international regulations.
<b>Hazards not otherwise classified</b>	Product spills may result in slippery floors.

<b>Section 3. Composition/information on ingredients</b>
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<b>Substance/mixture</b>	Mixture		
<b>Ingredient name</b>		<b>CAS Number</b>	<b>%</b>
1-Decene, Polymer w/ 1-octane and 1-Dodecene, Hydrogenated		163149-28-8	40 – 60
Alkanes, C14-16, chloro		63449-39-8	15 – 25

Ingredient concentrations are shown as ranges to protect confidentiality. Product does not contain any other ingredients within reportable concentrations that are currently known by the supplier to be health or environmental hazards.

<b>Section 4. First aid measures</b>
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<b>Eye contact</b>	Check for and remove contact lenses while flushing eyes immediately with plenty of water for at least 15 minutes. If irritation occurs, seek medical attention.
<b>Skin contact</b>	Flush skin immediately with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. If skin irritation or rash occurs, get medical attention. Wash clothing and thoroughly clean shoes before reuse.
<b>Inhalation</b>	Remove to fresh air if breathing is difficult and get medical attention. If person inhales smoke and decomposition products in the event of a fire, symptoms may be delayed. Exposed person should be watched for 48 hours and medical attention sought if symptoms occur.
<b>Ingestion</b>	Do not induce vomiting. If vomiting occurs, keep head low to prevent regurgitation of stomach contents into the lungs. If person is unconscious, do not give anything by mouth. Get medical attention or call a POISON CENTER immediately. If person is conscious, rinse out mouth with plenty of water.

**Most important symptoms/effects, acute and delayed**  
 May be fatal if swallowed and enters airways. Contact with eyes may cause pain, temporary irritation, watering, redness and blurred vision. Contact with skin may cause temporary irritation, redness, defatting, drying and cracking. See Section 11 for any delayed health effects.

**Indication of immediate medical attention and special treatment needed, if necessary**  
**Note to physician** Treat symptomatically. In case of inhalation of smoke and decomposition products in the event of a fire, symptoms may be delayed and may require medical surveillance of the exposed person for 48 hours.

**General information** Provide safety data sheet to attending physician or medical personnel.

## Section 5. Fire-fighting measures

<b>Suitable extinguishing media</b>	Use water fog, foam, dry chemical or carbon dioxide extinguisher or spray.
<b>Unsuitable extinguishing media</b>	Do not use water jet.
<b>Specific hazards arising from the chemical</b>	Extreme heat will pressurize containers and may cause them to burst.
<b>Hazardous combustion products</b>	Combustion products include oxides of carbon and sulfur and hydrogen chloride.
<b>Fire-fighting instructions</b>	Remove all persons from the vicinity of the fire. Use standard fire-fighting procedures.
<b>Special protective equipment for fire-fighters</b>	Positive pressure self-contained breathing apparatus (SCBA) and full turnout gear.

## Section 6. Accidental release measures

<b>Personal precautions, protective equipment and emergency procedures</b>	Spills should be addressed by properly trained personnel or emergency responders. Keep all other persons from entering the area of the spill. Do not walk through spilled material.
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### Methods and materials for containment and cleaning up

#### For small spills

Wear eye protection and rubber gloves. Wipe up spill with absorbent material such as paper towels or cloth rags. Wipe area thoroughly with wet paper towels or cloth rags to remove any residual contamination. Dispose of spilled material and contaminated absorbents as required by local regulations.

#### For large spills

Wear chemical goggles and chemical-resistant gloves. Wear a chemical-resistant apron or a chemical-resistant suit and boots such as Dupont's Tyvek® Protective Apparel. Stop any leaks if there is no risk to personal injury. Prevent spilled material from entering drains, sewers, waterways, basements or confined areas. Contain and collect spillage with non-combustible, absorbent material such as sand, earth, vermiculite or diatomaceous earth. Place spilled material and contaminated absorbents in a suitable container for disposal according to local regulations. Contaminated absorbent materials pose the same hazards as the spilled product. Use a licensed waste disposal contractor.

<b>Environmental precautions</b>	Hazardous to the aquatic environment. Avoid discharge of spilled material into drains, sewers, waterways and soil. The relevant authorities must be contacted if the product has leaked into drains, sewers or waterways, or has contaminated the soil.
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## Section 7. Handling and storage

<b>Precautions for safe handling</b>	Wear chemical goggles and chemical resistant gloves. Avoid contact with eyes, skin and clothing. Do not ingest. Use in well-ventilated area. Avoid breathing vapor or mist. Do not eat, drink or smoke while working with material. Wash thoroughly after handling. Empty containers retain residual product that may be hazardous. Do not expose container to flames, sparks or any other ignition source. Wash contaminated clothing and clean shoes before reuse.
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**Conditions for safe storage including any incompatibilities**

Store locked up and indoors in the original container in a dry, cool and well-ventilated area that is protected from direct sunlight. Store in an area away from food and drink. Protect from freezing. If frozen, thaw completely at room temperature and stir before using. Keep container tightly closed until ready for use. Use appropriate containment to avoid environmental contamination.

**Section 8. Exposure controls/personal protection**

**Occupational exposure limits**

Ingredient	OSHA		ACGIH	
	PEL	STEL	TWA	STEL
1-Decene, Polymer w/ 1-octane and 1-Dodecene, Hydrogenated	5 mg/M3		5 mg/M3	
Paraffin oils (petroleum), catalytic dewaxed light	5 mg/M3		5 mg/M3	10 mg/M3

**Appropriate engineering controls**

Comply with all applicable exposure limits. Good general ventilation rates appropriate for the conditions should be used. Personal protective equipment should only be considered after engineering control measures such as increased air exchanges, process enclosures, local exhaust, and mist collectors have been put in place to maintain airborne levels below the occupational exposure limits. Personal protective equipment should be selected based on a thorough risk assessment.

**Individual protection measures**

**Eye/face protection**

Wear chemical goggles. Ensure that eyewash stations and safety showers are within close proximity of the work area.

**Skin protection**

**Hands**

Wear chemical resistant gloves such as nitrile rubber gloves. Gloves should be selected in consultation with the supplier and with a thorough assessment of the working conditions.

**Body**

A chemical resistant work apron is recommended. Cotton and cotton/polyester work apparel provide little protection against fluid soaking through to the skin. Launder work clothes on a regular basis. For large spills or in areas where splashing is a risk, a chemical-resistant apron or a chemical-resistant suit such as Dupont's Tyvek® Protective Apparel is recommended. Footwear that will not allow fluid to soak through to the feet is recommended.

**Respiratory protection**

In case of insufficient ventilation, select and wear suitable respiratory protection equipment after full assessment of the working conditions and in consultation with the supplier/manufacturer of respirators.

**Hygiene measures**

Do not ingest. Do not get in eyes, on skin or on clothing. Do not eat, drink or smoke while using. Wash hands, forearms and face thoroughly after handling and before eating, drinking, smoking or using the bathroom. Wash work clothes on a regular basis. Keep shoes and protective equipment clean and dry.

**Section 9. Physical and chemical properties**

**Appearance**

**Physical state**

Liquid

**Color**

Light amber, clear

**Odor**

Mild cherry-vanilla odor

**Odor threshold**

No data available

**pH**

No data available

**Density, kg/M3**

0.88

**Density, lbs./gal.**

7.4

**Solubility**

Insoluble in water

<b>Viscosity</b>	90 SUS
<b>Melting point/freezing point</b>	No data available
<b>Initial boiling point, °F</b>	No data available
<b>Flash point, °F</b>	>420 °F
<b>Auto-ignition temperature, °F</b>	No data available
<b>Evaporation rate</b>	<0.01 (n-Butyl Acetate = 1)
<b>Upper/lower flammability or explosive limits</b>	No data available
<b>Decomposition temperature</b>	No data available
<b>Vapor pressure</b>	<0.014 kPa (0.01 mm Hg) at 20 °C
<b>Relative density</b>	No data available
<b>Partition coefficient(n-octanol/water)</b>	No data available

## Section 10. Stability and reactivity

<b>Reactivity</b>	Nonreactive under normal conditions of storage, transport and use.
<b>Chemical stability</b>	Stable under normal conditions
<b>Possibility of hazardous reactions</b>	No known hazardous reactions under normal conditions of storage, transport and use. Hazardous polymerization does not occur.
<b>Conditions to avoid</b>	High temperatures
<b>Incompatible materials</b>	Avoid contact with strong acids and oxidizers.

## Section 11. Toxicological information

<b>Information on the likely routes of exposure</b>	Anticipated routes of entry: oral, dermal, inhalation
<b>Potential acute health effects</b>	
<b>Eye contact</b>	May cause mild eye irritation.
<b>Skin contact</b>	May cause mild skin irritation.
<b>Inhalation</b>	Prolonged inhalation may be harmful. Exposure to decomposition products in the event of a fire may be hazardous to health with serious delayed effects.
<b>Ingestion</b>	May be fatal if swallowed and enters airways. Irritating to mouth, throat and stomach.
<b>Symptoms related to the physical, chemical and toxicological characteristics</b>	
<b>Eye contact</b>	Symptoms may include irritation, watering, redness and pain.
<b>Skin contact</b>	Symptoms may include irritation, rash, cracking, defatting, dryness, and redness.
<b>Inhalation</b>	No specific data.
<b>Ingestion</b>	Symptoms may include nausea or vomiting.
<b>Information on product toxicological effects</b>	
<b>Acute oral toxicity</b>	Not available
<b>Acute dermal toxicity</b>	Not available

**Acute inhalation toxicity** Not available  
**Information on ingredient toxicological effects** Product contains one or more ingredients within reportable concentrations that exhibit(s) some level of acute toxicity.

Ingredient name	Dermal, LD50		Inhalation, LC50		Oral, LD50	
	Species	Result	Species	Result	Species	Result
Paraffin oils (petroleum), catalytic dewaxed light	Rabbit	>2000 mg/kg	Rat	9.5 mg/L	Rat	>5000 mg/kg

**Skin corrosion/irritation** May cause mild skin irritation

**Serious eye damage/eye irritation** May cause mild eye irritation

**Respiratory sensitization** No known significant effects or critical hazards

**Skin sensitization** No known significant effects or critical hazards

**Aspiration hazard** Aspiration Hazard – Category 1

**Specific Target Organ Toxicity (Single Exposure)** No known significant effects or critical hazards

**Specific Target Organ Toxicity (Repeated Exposure)** No known significant effects or critical hazards

**Carcinogenicity** No components of this product present at levels greater than or equal to 0.1% are identified as probable, possible or confirmed human carcinogen by IARC, OSHA or NTP.

**Teratogenicity** No known significant effects or critical hazards

**Reproductive toxicity** No known significant effects or critical hazards.

**Mutagenicity** No known significant effects or critical hazards

## Section 12. Ecological information

**Ecotoxicity** No testing has been performed. Product contains one or more ingredients that exhibit(s) some level of toxicity toward the one or more organisms.

Ingredient name	Species	Method	Results
Alkanes, C14-16, chloro	Bluegill	Static, 96 hr, LC50	>0.1 mg/L
	Rainbow trout	Static, 96 hr, LC50	>0.1 mg/L

**Persistence and degradability** Not available

**Bioaccumulative potential** Not available

**Mobility in soil** This product is insoluble in water

**Other adverse effects** No known significant effects or critical hazards

### Section 13. Disposal considerations

**Waste disposal of product** Dispose of at a licensed, waste disposal facility. Do not discharge into waterways or sewer systems without proper authorization.

**Container disposal** Do not reuse containers. Empty containers may still contain product residue and should be disposed of at a licensed waste handling facility.

### Section 14. Transport information

**Land transport (US DOT)** Not regulated

**UN Number**  
**UN proper shipping name**  
**Hazard class**  
**Hazard label**  
**Packaging group**

**Sea transport (IMDG)**

**UN Number** UN3082  
**UN proper shipping name** Environmentally hazardous substances, liquid, n.o.s. (Alkanes, C14-16, chloro)  
**Hazard class** 9  
**Hazard label**



**Packaging group** III

**Air transport (IATA)** Not regulated

**UN Number**  
**UN proper shipping name**  
**Hazard class**  
**Hazard label**  
**Packaging group**

### Section 15. Regulatory information

**U.S. Federal Regulations**

**TSCA 8b** All of the ingredients in this product are listed or exempted.

**SARA 302 Extremely Hazardous Substances** None of the ingredients in this product are listed.

**SARA 304 Emergency Release Notification** Not regulated

**SARA 311/312 Classification** Immediate (acute) health hazard

**SARA 313** None of the ingredients in this product are listed.

## U.S. State Regulations

### State Right to Know Regulations

Ingredient name	CAS Number	State
1-Decene, Polymer w/ 1-octane and 1-Dodecene, Hydrogenated	163149-28-8	MA, NJ
Alkanes, C14-16, chloro	63449-39-8	NJ, RI

### California Prop. 65

According to the safety data sheets for all of the components in this product, no materials or their contaminants are currently listed by the state of California known to cause cancer and/or birth defects.

## Section 16. Other information

### History

**Issue date** 10 Dec 2018

**Version number** 1

### Disclaimer

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