

SAFETY DATA SHEET

Section 1. Identification

Product name SterlingCool-Plasmacut
SDS No. 46446
Recommended product use Metalworking fluid

Manufacturer Cutting Fluids Direct
88 South Broadview Street STE 134
Greenbrier, AR 75028

General information telephone 501.358.9292

EMERGENCY TELEPHONE 800.255.3924 (ChemTel Inc.)

Section 2. Hazards identification

OSHA/HCS status Product is NOT considered hazardous as defined by the OSHA Hazard Communication (29 CFR 1910.1200).

Physical hazards Not classified
Health hazards Not classified

GHS label elements None
Signal Word No signal word.
Hazard Statements No known significant effects or critical hazards.

Precautionary statements

Prevention Observe good industrial hygiene practices.

Response Wash hands.

Storage Store indoors at room temperature. Keep containers closed.

Disposal Dispose of product and container in accordance with local, state, federal and international regulations.

Hazards not otherwise classified Product spills may result in slippery floors.

Section 3. Composition/information on ingredients

Substance/mixture Mixture

Ingredient name	CAS Number	%
Triethanolamine	102-71-6	10 - 15
Other Components* Trade Secret		85-100

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. *Designates that a specific chemical identity and/or percentage of composition has been withheld as a trade secret.

Section 4. First aid measures

Eye contact Non-toxic. Flush eyes with water if needed. If irritation occurs consult physician

Skin Contact Non-toxic. Wash affected area with mild soap or water.

Inhalation Non-Toxic. No irritation typically occurs. 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.

Ingestion Non-toxic. Rinse mouth with water. If person feels sick, contact physician.

Most important symptoms/effects, acute and delayed

Non-toxic. It is extremely rare that contact with eyes may cause temporary irritation, watering, and redness. Contact with skin may cause temporary irritation and redness. 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 physician or medical personnel.

Section 5. Fire-fighting measures

Suitable extinguishing media	Use water fog, foam, dry chemical or carbon dioxide extinguisher or spray.
Unsuitable extinguishing media	Not applicable.
Specific hazards arising from the chemical	No unusual fire or explosion hazards noted.
Hazardous combustion products	Combustion products include carbon dioxide, carbon monoxide, and oxides of nitrogen.
Fire fighting instructions	Remove all persons from the vicinity of the fire. Use standard fire-fighting procedures.
Special protective equipment for fire-fighters	Positive pressure self-contained breathing apparatus (SCBA) and full turnout gear.

Section 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures	Spills should be addressed by properly trained personnel. Do not walk through spilled material.
Methods and materials for containment and cleaning up	
For small spills	Wipe up spill with absorbent material such as paper towels or cloth rags.
For large spills	Use personal protective equipment as required. Keep unnecessary personnel away. Soak up with inert absorbent material. Clean up in accordance with all applicable regulations.
Environmental precautions	Avoid discharge of spilled material into drains, sewers, waterways and soil without proper removal of metallic fines/ contaminants.

Section 7. Handling and storage

Precautions for safe handling Avoid prolonged contact with eyes, skin and clothing. Not recommended for ingestion. Use in ventilated area to avoid prolonged inhalation.

Conditions for safe storage including any incompatibilities Store in a closed container. The product is stable and non-reactive under normal conditions of use, storage and transport. Store in a dry area.

Section 8. Exposure controls/personal protection

Occupational exposure limits

Ingredient Name	OSHA		ACGIH	
	PEL	STEL	TWA	STEL
Triethanolamine			5 mg/M ³	

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 and local exhaust measures are in place. Personal protective equipment should be selected based on a risk assessment.

Individual protection measures

Eye/face protection Safety glasses.

Skin protection
Hands Rubber gloves.

Body Use of protective clothing is good industrial practice. Cotton and cotton/polyester work apparel will only provide protection against light superficial contamination that will not soak through to the skin. Launder work clothes on a regular basis.

Respiratory protection

In case of insufficient ventilation, wear suitable respiratory equipment.

Hygiene measures

Always observe good personal hygiene measures such as washing 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	Water-white to yellow
Odor	Mild chemical
Odor threshold	Not available
pH	10.0
Mix pH, 5%	9.4
Density, kg/M ³	1036
Density, lbs./gal.	8.65
Solubility	Soluble in water
Viscosity	Not available
Melting point/freezing point	Not available
Initial boiling point, °F	> 212
Flash point	Not applicable
Auto-ignition temperature	Not available
Evaporation rate	Not available
Flammability (solid, gas)	Not applicable
Upper/lower flammability or explosive limits	Not available
Decomposition temperature	Not available
Vapor pressure	Not available
Vapor density	Not available
Partition coefficient(n-octanol/water)	Not available

Section 10. Stability and reactivity

Reactivity	Nonreactive under normal conditions of storage, transport and use.
Chemical stability	Stable under normal conditions
Possibility of hazardous reactions	No known hazardous reactions under normal conditions of storage, transport and use. Hazardous polymerization does not occur.
Conditions to avoid	High temperatures
Incompatible materials	Do not add sodium nitrite or any other nitrosating agents to this product or dilutions of this product due to the potential formation of cancer-causing nitrosamines. Avoid contact with strong acids and oxidizers.

Section 11. Toxicological information

Information on the likely routes of exposure Anticipated routes of entry: dermal, inhalation

Potential acute health effects

Eye contact No known significant effects or critical hazards.

Skin contact No known significant effects or critical hazards.

Inhalation No adverse effects due to inhalation are expected.

Ingestion Expected to be a very low ingestion hazard.

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact No specific data.

Skin contact This product is not expected to cause skin sensitization.

Inhalation No specific data.

Ingestion No specific data.

Information on product toxicological effects

Acute oral toxicity Not available

Ingredient name	OSHA	IARC	NTP
Triethanolamine	-	3	-

IARC 3 - Not classifiable as a human carcinogen.

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.

Persistence and degradability Not available

Bioaccumulative potential Not available

Mobility in soil Product is miscible in water.

Other adverse effects No other adverse environmental effects are known.

Section 13. Disposal considerations

Waste disposal of product	Dispose of contents in accordance with local/ regional/ national regulations and guidelines.
Container disposal	Dispose of container in accordance with local/ regional/ national regulations and guidelines.

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)	Not regulated
UN Number	
UN proper shipping name	
Hazard class	
Hazard label	
Packaging group	
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	No
SARA 313	This product does not contain any hazardous ingredients at or above regulated thresholds.

U.S. State Regulations**State Right to Know Regulations**

Ingredient Name	CAS Number	State
Triethanolamine	102-71-6	MA, NJ, PA
Isopropanolamine	78-96-6	MA, NJ, PA

Section 16. Other information**History**

Issue date	01 Oct 2021
Version number	2

Disclaimer

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