SAFETY DATA SHEET
ABSOLUTE GC

SECTION 1. IDENTIFICATION

Product Name: **ABSOLUTE GC**
Product Description: Metalworking Fluid
Intended Use: Metalworking Fluid

Supplier:
Active Industrial Fluids Inc. 5156 Hennin Drive, Oldcastle, Ontario, Canada N0R 1L0
Tel: 519-737-0141

SECTION 2. HAZARDS IDENTIFICATION

Emergency Overview:
May be irritating to eyes and skin
Potential Health Effects
Primary Routes of Exposure:

Eye contact	May irritate eyes, avoid eye contact	Category 2A
Ingestion	May cause gastrointestinal irritation, avoid ingestion	
Inhalation	May cause irritation of the respiratory tract, avoid breathing	
Skin contact	May irritate skin, avoid skin contact	Category 2
Skin sensitation		Category 1

Aggravated Medical Condition: None known.
Other hazards
None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture: Mixture
Hazardous components

Chemical name	CAS-No.	Concentration
Triethanolamine	102-71-6	<10%
Monoethanolamine	141-43-5	<5%
Hexahydro-1,3,5-Tris(2-Hydroxyethyl)-S-Triazine	4719-04-4	<3%
3,5,5Trimethylhexanoic Acid	3302-10-1	<10%

SECTION 4. FIRST AID MEASURES

If inhaled: Move to fresh air.
Artificial respiration and/or oxygen may be necessary.
Seek medical advice.
In case of skin contact: In case of contact, immediately flush eyes or skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.
Wash skin thoroughly with soap and water or use recognized
skin cleanser.
Wash clothing before reuse.
Seek medical advice.
In case of eye contact: Remove contact lenses.
Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.
Obtain medical attention.
If swallowed: Rinse mouth with water.
DO NOT induce vomiting unless directed to do so by a physician or poison control center.

Never give anything by mouth to an unconscious person.
Seek medical advice.
Most important symptoms and effects, both acute and delayed: First aid responder needs to protect himself.

SECTION 5. FIREFIGHTING MEASURES
Suitable extinguishing media: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Unsuitable extinguishing media: No information available.
Specific hazards during firefighting: Cool closed containers exposed to fire with water spray.
Hazardous combustion products: Carbon oxides (CO, CO2), smoke, and irritating vapours as products of incomplete combustion.
Further information : Prevent fire extinguishing water from contaminating surface water or the ground water system.

SECTION 6. ACCIDENTAL RELEASE MEASURES
Personal precautions, protective equipment and emergency procedures: Use personal protective equipment.
Ensure adequate ventilation.
Evacuate personnel to safe areas.
Material can create slippery conditions.
Environmental precautions: If the product contaminates rivers and lakes or drains inform respective authorities.
Methods and materials for containment and cleaning up: Prevent further leakage or spillage if safe to do so.
Remove all sources of ignition.
Soak up with inert absorbent material.
Ensure adequate ventilation.
Contact the proper local authorities.

SECTION 7. HANDLING AND STORAGE
Advice on safe handling: For personal protection see section 8.
Smoking, eating and drinking should be prohibited in the application area.
In case of insufficient ventilation, wear suitable respiratory equipment.
Avoid contact with skin, eyes and clothing.
Do not ingest.
Keep away from heat and sources of ignition.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION
Components with workplace control parameters
Components CAS-No. Value type (Form of exposure)
Triethanolamine CAS102-71-6
ACGIH TLV TWA 5 mg/m3
Monoethanolamine CAS 141-43-5
ACGIH TLV TWA 6 ppm
Engineering measures : No special ventilation requirements. Good general ventilation should be sufficient to control worker exposure to airborne contaminants.
Personal protective equipment
Respiratory protection: Use respiratory protection unless adequate local exhaust ventilation is provided or exposure assessment demonstrates that exposures are within recommended exposure guidelines.
Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.
Filter type: organic vapour filter
Hand protection Material : neoprene, nitrile, polyvinyl alcohol (PVA), Viton(R).
Remarks: Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.
Eye protection: Wear face-shield and protective suit for abnormal processing problems.
Skin and body protection: Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place.
Protective measures: Wash hands and face before breaks and immediately after handling the product.
Wash contaminated clothing before re-use.
Ensure that eyewash station and safety shower are proximal to the work-station location.
Hygiene measures: Remove and wash contaminated clothing and gloves, including the inside, before re-use.
Wash face, hands and any exposed skin thoroughly after handling.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES
Appearance : Liquid
Colour : Blue

Odour : Mild
Odour Threshold : No data available
pH : 9.5
Pour point : -5 °C
Boiling point/boiling range : No data available
Flash point : Not applicable
Fire Point : No data available
Auto-Ignition Temperature : No data available
Evaporation rate : No data available
Flammability : Low fire hazard. This material must be heated before ignition will occur.
Upper explosion limit : No data available
Lower explosion limit : No data available
Vapour pressure : No data available
Relative vapour density :No data available
Density : 1.0 kg/l (15 °C / 59 °F)
Solubility(ies)
Water solubility : soluble
Partition coefficient: noctanol/water: No data available
Viscosity, kinematic : Not available
Explosive properties : Do not pressurize, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition.

SECTION 10. STABILITY AND REACTIVITY
Possibility of hazardous reactions: Hazardous polymerization does not occur.
Stable under normal conditions.
Conditions to avoid: No data available
Incompatible materials: Reactive with oxidizing agents and reducing agents.
Hazardous decomposition products: May release COx, smoke and irritating vapours when heated to decomposition.

SECTION 11. TOXICOLOGICAL INFORMATION
Information on likely routes of exposure
Eye contact, Ingestion, Inhalation, Skin contact
Acute toxicity
Product:
Acute oral toxicity: Remarks: No data available
Acute inhalation toxicity: Remarks: No data available
Acute dermal toxicity: Remarks: No data available
Component:
Triethanolamine CAS 102-71-6
Acute oral toxicity: LD50 (Rat): > 2,000 mg/kg
Acute dermal: LD50 (Rabbit): >2,000 mg/kg
Monoethanolamine CAS 141-43-5
Acute oral toxicity: LD50 (Rat): > 10,000 mg/kg
Acute dermal: LD50 (Rabbit): 1025 mg/kg
3,5,5Trimethylhexanoic Acid CAS 3302-10-1
Acute oral toxicity: LD50 (Rat): > 1100 mg/kg
Acute dermal: LD50 (Rabbit): >2,000 mg/kg

Skin corrosion/irritation
Product:
Remarks: No data available
Serious eye damage/eye irritation
Product:
Remarks: No data available
Respiratory or skin sensitisation
No data available
Germ cell mutagenicity
No data available
Carcinogenicity
No data available
Reproductive toxicity
No data available
STOT - single exposure
No data available

STOT - repeated exposure
No data available

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity
Component:
Triethanolamine CAS 102-71-6
Toxicity to fish: Remarks: LC50 >10000 mg/L, 96 hours fathead minnow
Monoethanolamine CAS 141-43-5
Toxicity to fish: Remarks: LC50 114-196 mg/L, 96 hours rainbow trout
3,5,5Trimethylhexanoic Acid CAS 3302-10-1
Toxicity to fish: Remarks: LC50 123 mg/L, 96 hours rainbow trout

Product:
Toxicity to daphnia and other aquatic invertebrates: Remarks: No data available
Toxicity to algae: Remarks: No data available
Toxicity to bacteria: Remarks: No data available
Persistence and degradability
Product:
Biodegradability: Remarks: No data available
Bioaccumulative potential
No data available
Mobility in soil
No data available
Other adverse effects
No data available

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods
Waste from residues : The product should not be allowed to enter drains, water courses or the soil.
Offer surplus and non-recyclable solutions to a licensed disposal company.
Waste must be classified and labeled prior to recycling or disposal.
Send to a licensed waste management company.
Dispose of product residue in accordance with the instructions of the person responsible for waste disposal.

SECTION 14. TRANSPORT INFORMATION

International Regulations
IATA-DGR
Not Regulated.
IMDG-Code
Not Regulated

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code
Not applicable for product as supplied.
National Regulations
TDG
Not Regulated

SECTION 15. REGULATORY INFORMATION

This product has been classified according to the hazard criteria of the CPR and the MSDS contains all of the information required by the CPR.
The components of this product are reported in the following inventories:
DSL On the inventory, or in compliance with the inventory
TSCA All chemical substances in this product are either listed on the TSCA Inventory or are in compliance with a TSCA Inventory exemption.
IECSC On the inventory, or in compliance with the inventory
ELINCS At least one component is not listed in EINECS but all such components are listed in ELINCS.

WHMIS Classification: D2-B

SECTION 16. OTHER INFORMATION

HMIS Rating	Health: 1	Flammability: 0	Physical Hazard: 0	Personal Protection: B
NFPA Ratings	Health: 1	Flammability: 0	Instability: 0	

For Product Safety Information: 1 877-737-0141
Prepared by : Technical Service
Revision Date: 2019/01/01
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