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**Flywheel Grinding
Coolant**

FG-1101-G, FG-1102-G

SECTION I - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME : COOL-RITE® S300
IDENTIFICATION NUMBER : JRC00300F1L
PRODUCT USE/CLASS : Water Based Lubricant

DATE PRINTED: 11/05/19

Cross Technologies Group, Inc.
1210 Manufactures Drive
Westland, Michigan 48186

Emergency Telephone : 734-895-8084
Product Information : 800-875-LUBE
Fax Number : 509-463-2994
Hours of Operation : M – F 8:00 am thru 5:00 pm

PREPARER: DAK, PHONE: 248-891-1942,

PREPARE DATE: 11/05/19

SECTION II - HAZARDS IDENTIFICATION

*** EMERGENCY OVERVIEW ***

No acute effects expected from incidental skin contact during handling. Avoid release of this product to the environment.

GHS Classification

Acute Tox. 4, Skin Irrit. 2, Eye Irrit. 2

Symbol(s) of Product:



Signal Word: Warning

GHS HAZARD STATEMENTS

Acute Toxicity, Oral, category 4	H302	Harmful if swallowed
Skin Irritation, category 2	H315	Causes skin irritation
Eye Irritation, category 2	H319	Causes serious eye irritation
STOT: single exposure, category 3, RTI	H335	May cause respiratory irritation.

GHS PRECAUTIONARY STATEMENTS

Prevention:

P261	Avoid breathing dust/fume/gas/mist/vapors/spray.
P264	Wash thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P271	Use only outdoors or in a well-ventilated area.
P280	Wear protective gloves/protective clothing/eye protection/face protection.

Response:

P301+ P312	IF SWALLOWED: Call a POISON CENTER/doctor/...if you feel unwell.
P302+P352	IF ON SKIN: Wash with plenty of water.

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SECTION II - HAZARDS IDENTIFICATION (Con't)

Response: (con't)

P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P312	Call a POISON CENTER/doctor/.../if you feel unwell.
P321	Specific treatment (see first aid section on this label).
P330	Rinse mouth.
P332+P313	If skin irritation occurs: Get medical advice/attention.
P337+P313	If eye irritation persists: Get medical advice/attention.
P362+P364	Take off contaminated clothing and wash it before reuse.

Storage:

P403+P233 Store in a well-ventilated place. Keep container tightly closed.

Disposal:

P501 Dispose of contents/container in accordance with local/regional /national/international regulations.

SECTION III - COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture
 Mixture Name : COOL-RITE® S300
 Chemical Nature : Water Based Lubricant

Component	CAS Number	Concentration (%)
See below*	-	-

*The specific chemical identities and/or exact percentages (concentration) of Cross Technologies Group's COOL-RITE® S300 (JRC00300F1L) are trade secrets. This information is being withheld in accordance with OSHA's Hazard Communication Rule (29 CFR 1910.1200).

SECTION IV - FIRST AID MEASURES



General Advice – In case of inappropriate contact or if you feel unwell, seek medical advice immediately. When symptoms persist or in all cases of doubt, seek medical advice.

First Aid - Eye Contact: Flush eyes immediately with water, at least 15 minutes or until irritation subside. If easy to do, remove contact lens, if worn. If irritation persists, consult a physician. **First Aid - Skin Contact:** Wash contacted skin areas with soap and water. If irritation develops, consult a physician. Soaked clothing should be removed. **First Aid - Ingestion:** If swallowed, DO NOT induce vomiting. Rinse mouth thoroughly with water.

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SECTION IV - FIRST AID MEASURES

First Aid - Ingestion: If swallowed, DO NOT induce vomiting. Rinse mouth thoroughly with water. If symptoms occur, call a physician or poison control center immediately. Never give anything by mouth to an unconscious person. **First Aid - Inhalation:** If inhaled, removed to fresh air. If symptoms present or in all cases of doubt, seek medical advice. **Protection of First-Aiders:** First aid responders should pay attention to self-protection and use the recommended personal protective equipment when the potential for exposure exists.

SECTION V - FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA: Carbon Dioxide, Water Mist, Alcohol-resistant Foam

SPECIAL FIREFIGHTING PROCEDURES: As in any fire, wear self-contained breathing apparatus pressure-demand (MSHA/NIOSH approved or equivalent) and full protective gear. Water spray to cool containers or protect personnel. Use with caution. For large fires: Use foam (alcohol, polymer, or ordinary).

Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. Remove undamaged containers from fire area if it is safe to do so. Evacuate area.

SECTION VI - ACCIDENTAL RELEASE MEASURES

Steps To Be Taken In Case Material Is Released Or Spilled:

Personal precautions, protective equipment and emergency procedures: Use personal protective equipment. Follow safe handling advice and personal protective equipment recommendations.

For large spills, provide diking or other appropriate containment to keep material from spreading. If diked material can be pumped, store recovered material in appropriate container. Clean up remaining materials from spill with suitable absorbent.

Avoid runoff into storm sewers and ditches which lead to waterways. Prevent further leakage or spillage if safe to do so. Prevent spreading over a wide area. Retain and dispose of contaminated wash water. Local authorities should be advised if significant spillages cannot be contained.

Local or national regulations may apply to releases and disposal of this material, as well as those materials and items employed in the cleanup of releases. You will need to determine which regulations are applicable. Sections XIII and XV of this SDS provide information regarding certain local or national requirements.

SECTION VII - HANDLING AND STORAGE



HANDLING: Use only in a well ventilated area. Affix proper warning labels on containers in accordance with ** 29 CFR 1910.1200 ** Wash thoroughly after handling. Follow all MSDS/label precautions even after container is emptied because they may retain product residues.

ADVICE ON SAFE HANDLING: Avoid inhalation of vapor or mist. Handle in accordance with good industrial hygiene and safety practice. Take care to prevent spills, waste and minimized release to the environment.

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SECTION VII - HANDLING AND STORAGE (Con't)

STORAGE: Keep in properly labeled containers. Containers can build up pressure if exposed to heat (fire). Keep away from heat, sparks, and flame. Keep container tightly closed when not in use. Protect from direct sunlight. Store containers in a cool well ventilated place.

Do not store with strong oxidizing agents. Do not store in or use containers except the original product package

SECTION VIII - EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS

General and local exhaust ventilation is recommended to maintain vapor exposures below recommended limits. If handling heated or misted product in a poorly ventilated area, wear a properly fitted respirator (NIOSH) during exposure.

PERSONAL PROTECTION



RESPIRATORY PROTECTION: In the case of insufficient ventilation, wear suitable respiratory equipment.



SKIN PROTECTION: Wear impervious gloves made of nitrile to prevent contact with the skin. Wash hands before breaks and at the end of the work day.



EYE PROTECTION: Wear safety glasses with side shields (or goggles).



OTHER PROTECTIVE EQUIPMENT: Wear appropriate chemical resistant clothing.



HYGENIC PRACTICES: Wash thoroughly after handling. Remove contaminated clothing and wash before reuse.

SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	: Lt. Yellow / Sl. Hazy	VAPOR DENSITY	: Not Determined
ODOR	: Mild	VAPOR PRESSURE	: Not Determined
RELATIVE DENSITY	: 1.0173	VISCOSITY	: Water Thin
FREEZE POINT, °F	: 32°F	EXPLOSIVE LIMITS, VOL%	: Not Determined
BOILING RANGE	: 212°F – 220°F	FLASH POINT	: Not Applicable
SOLUBILITY IN H ₂ O	: Dispersible	POUNDS/GALLON	: 8.48
EVAPORATION RATE	: Not Determined	AUTO-IGNITION TEMP., °F	: Not Determined
PHYSICAL STATE	: Liquid	pH @ 100.0 %	: 9.0 ± 1.5
		PERCENT H ₂ O	: ~ 82.3%

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SECTION X - STABILITY AND REACTIVITY

Reactivity: No hazardous reactions if stored and handled as prescribed/indicated.

Oxidizing Properties: Not fire-propagating

CHEMICAL STABILITY: Stable under normal conditions

CONDITIONS TO AVOID: Exposure to elevated temperatures can cause product to decompose.

INCOMPATIBILITY: Prevent contact with oxidizing agents. Amphoteric metals, light metals

HAZARDOUS DECOMPOSITION PRODUCTS: During thermal decomposition formaldehyde may form.

POSSIBILITY OF HAZARDOUS REACTIONS: Use at elevated temperatures may form highly hazardous compounds. It can react with strong oxidizing agents.

SECTION XI - TOXICOLOGICAL PROPERTIES



Information on Toxicological Effects

Acute Toxicity Values

The acute effects of this product have not been tested. Data on individual components are tabulated below:

<u>CAS-No.</u>	<u>Name according EEC</u>	<u>Oral LD50,mg/kg</u>	<u>Dermal LD 50, mg/kg</u>	<u>Vapor LC 50, mg/L</u>
102-71-6	2,2',2'-nitriлотris-ethanol	>4,190 mg/kg	>2,000mg/kg	>20mg/L
141-43-5	2-aminoethanol	1,515 mg/kg	1,025 mg/kg	N. D.

EFFECTS OF OVEREXPOSURE – INHALATION: No information

EFFECTS OF OVEREXPOSURE – SKIN: Causes skin burns. May cause skin sensitization, an allergic reaction, which becomes evident on re-exposure to this material. Prolonged or repeated contact can result in defatting and drying of the skin which may result in skin irritation and dermatitis (rash).

EFFECTS OF OVEREXPOSURE – EYE CONTACT: Corrosive. Can cause eye burns and permanent tissue damage.

EFFECTS OF OVEREXPOSURE – INGESTION: Corrosive and may cause sever and permanent damage to mouth, throat, and stomach.

EFFECTS OF OVEREXPOSURE – CHRONIC HAZARDS: Overexposure may cause kidney damage. May cause liver disorder (e.g., edema, proteinuria) and damage.

Primary Route(s) of Entry: Eye Contact, Ingestion, Inhalation, Skin Contact

SECTION XII – ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION: No information available

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SECTION XIII - DISPOSAL CONSIDERATIONS

Always dispose of any waste in accordance with all local, state, and federal regulations.

Disposal Methods

The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. See Section 8 for information on appropriate personal protective equipment.

Contaminated packaging: Dispose of as unused product. Empty containers should be taken to an approved waste handling site for recycling or disposal.

SECTION XIV - TRANSPORTATION INFORMATION**U.S. Department of Transportation (DOT)**

UNRTDG	:	Not regulated as a dangerous good
IATA-DGR	:	Not regulated as a dangerous good
IMDG-Code	:	Not regulated as a dangerous good
US DOT	:	Not regulated as a dangerous good

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

SECTION XV - REGULATORY INFORMATION**US FEDERAL REGULATIONS****SARA 311/312 Hazards:**

Immediate (acute) Health Hazard

SARA 302:

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313:

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

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SECTION XV - REGULATORY INFORMATION (Con't)
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US State Regulations**California Prop 65:**

The ingredients of this product are reported in the following inventories:

- KECI** : All ingredients listed exempt or notified.
- REACH** : All ingredients (pre-)registered or exempt.
- IECSC** : All ingredients listed or exempt.
- AICS** : All ingredients listed or exempt.
- ENCS/ISHL** : All components are listed on ENCS/ISHL or exempted from inventory listing.
- TSCA** : All chemical substances in this material are included on or exempted from listing on the TSCA Inventory of Chemical Substances.
- PICCS** : All ingredients listed or exempt.
- DSL** : All chemical substances in this product comply with the CEPA 1999 and NSNR and are on or exempt from listing on the Canadian Domestic Substances List (DSL).
- NZIoC** : All ingredients listed or exempt.

AICS (Australia), DSL (Canada), IECSC (China), REACH (European Union), ENCS (Japan), ISHL, (Japan), KECI (Korea), NZIoC (New Zealand), PICCS (Philippines)

ROHS Declaration:

Tungsten	Not Detected	Tin	Not Detected
Tantalum	Not Detected	Gold	Not Detected
Hexavalent Chromium	Not Detected	Lead	Not Detected
Polybrominated biphenyls (PBB)	Not Detected	Cadmium	Not Detected
Polybrominated diphenyl ethers (PBDE)	Not Detected	Mercury	Not Detected

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SECTION XVI - OTHER INFORMATION

Revision Date: 11/05/19 Supersedes Date: 06/26/19
 Datasheet Produced by: D. Kendall Technical Director, Cross Technologies Group, Inc.

HMIS III:	
HEALTH	1
FLAMMABILITY	1
PHYSICAL HAZARD	0
PERSONAL PROTECTION	X

0 = Not significant 1 = Slight
 2 = Moderate 3 = High
 4 = Extreme * = Chronic

Legend: NA – Not Applicable
 NE – Not Established
 ND – Not Determined
 NI – No Information

SECTION XVI - OTHER INFORMATION

Text for GHS Hazard Statements shown in Section 3 Describing each ingredient:

H302 Harmful if swallowed
 H315 Causes skin irritation
 H319 Causes serious eye irritation
 H335 May cause respiratory irritation.

Icons for GHS Pictograms shown in Section III describing each ingredient:

GHS07



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