

SAFETY DATA SHEET

SECTION 1 - IDENTIFICATION

MANUF / DIST: DETAILS MANUFACTURING AND DISTRIBUTING
504 E. LINCOLN WAY
AMES, IOWA 50010

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TRADE NAME / SYNONYMS: **LIQUID AU**

CHEMICAL NAME / SYNONYMS: NOT APPLICABLE

CHEMICAL FAMILY: NOT APPLICABLE

FORMULA: PROPRIETARY

PRODUCT CODE: NOT APPLICABLE

INTENDED USE: AUTOMOTIVE CLEANING CHEMICAL

SECTION 2 HAZARDOUS IDENTIFICATION

HAZARDOUS MATERIAL IDENTIFICATION SYSTEM:

HAZARD WARNING	
4 - Extreme	
3 - High	
2 - Moderate	
1 - Slight	
0 - Insignificant	
X- See Section IV & V of SDS Sheet	

FIRE

HEALTH 1 REACTIVITY 0

SPECIFIC X

Signal Word: WARNING! - FOR HEALTH EFFECTS (Acute and Chronic): SEE SECTION 11

SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

NAMES OF HAZARDOUS INGREDIENTS: See CFR29§1910.1200 (i)-(13) [exact % withheld as trade secret]

> CONTAINS NO REPORTABLE QUANTITIES OF ANY HAZ MET PRODUCTS <

THIS PRODUCT DOES NOT CONTAIN CARCINOGENS: (NTP, IARC, OSHA):

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SECTION 4 - FIRST AID MEASURES

EMERGENCY FIRST AID PROCEDURES:

- a) Skin - Wash with running water.
- b) Eyes - Flush with large amounts of water, lifting upper and lower lids occasionally.
- c) Inhalation - If affected, remove individual to fresh air. If breathing is difficult, administer oxygen. If breathing has stopped, give artificial respiration. Keep person warm, quiet and get medical attention.
- d) Ingestion - Immediately drink 2 glasses of water and induce vomiting by either giving IPECAC syrup or by placing fingers at the back of throat. Never give anything by mouth to an unconscious person. Get medical attention immediately.

SECTION 5 - FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA: Not considered a fire hazard.

SPECIAL FIRE FIGHTING PROCEDURES: None.

UNUSUAL FIRE AND EXPLOSION HAZARDS: None

SECTION 6 - ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

Absorb the large spill on suitable absorbent. Wash the residue down the drain or pit with plenty of water. Small spills can be flushed down the drain with plenty of water. Eliminate the reason for spill. SLIPPERY ON FLOORS EVEN JUST DROPS.. WIPE UP IMMEDIATELY.

INCOMPATIBILITY (Material To Avoid):

Avoid contact with acids and strong oxidizers such as chlorine, permanganate, etc.

HAZARDOUS DECOMPOSITION PRODUCTS:

After water evaporates, burning may produce oxides of carbon, traces of sulfur and nitrogen oxides and various hydrocarbons.

SECTION 7 - HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:

- a) Do not store under freezing conditions or above 120 degrees F.
- b) Protect from physical damage and keep tightly closed.
- c) Do not store near acids or acidic materials and oxidizers.
- d) Containers with concentrate should be marked slippery on floor surfaces

MAINTENANCE PRECAUTIONS:

When working with FLAMMABLE material electrically ground all equipment and use only non-sparking tools.

OTHER PRECAUTIONS:

- a) Containers, even those that have been emptied will retain product residue and vapors. Always obey hazard warnings.

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

VENTILATION:

LOCAL EXHAUST: Below TLV(s)MECHANICAL (GENERAL): none

SPECIAL: N/A OTHER: N/A

RESPIRATORY PROTECTION: Not mandatory but recommended PROTECTIVE GLOVES: Not mandatory but recommended

OTHER PROTECTIVE EQUIPMENT: N/A

OTHER ENGINEERING CONTROLS: Eye wash and quick drench facilities.

WORK PRACTICES:

Eye wash fountain and safety shower should be easily accessible. Discard properly such items as rags and trash soaked with the product. Provide adequate ventilation. Water hose with fan nozzle will work.

HYGIENIC PRACTICES:

Avoid contact with eyes, skin and clothing. Avoid inhalation of product vapors. Wash thoroughly after handling and before eating, drinking or smoking. Remove contaminated clothing promptly and wash thoroughly before reused.

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SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT (F):	>212	SPECIFIC GRAVITY (WATER=1):	1.02
VAPOR PRESSURE (mmHg):	N/D	PERCENT VOLATILE BY VOLUME (%):	> 70
VAPOR DENSITY (AIR=1):	N/D	EVAPORATION RATE (WATER=1):	1
SOLUBILITY IN WATER	100%	FLASH POINT (Method Used):	None
pH	8-10	FLAMMABLE LIMITS:	LEL= N/A UEL= N/A
Melting pt-N/A /freezing pt 30+-°F/Relative density N/A		APPEARANCE,ODOR,VISCOSITY::	Slightly viscous gold liquid cherry odor.

SECTION 10 STABILITY AND REACTIVITY

HAZARDOUS POLYMERIZATION WILL NOT OCCUR THIS PRODUCT IS STABLE

SECTION 11. TOXICOLOGICAL INFORMATION

FOR NUMERICAL MEASURES OF TOXICITY SEE SECTION 3, COLUMNS (PEL-OSHA)AND(TLV-ACGIH)

HEALTH EFFECTS (Acute and Chronic): SLIGHTLY Alkaline Substance

Acute:

- a) Eyes - Can cause severe irritation, redness, tearing, blurred vision.
- b) Skin - Prolonged or repeated contact can cause moderate irritation, defatting, dermatitis.
- c) Inhalation - mild irritation
- d) Ingestion - Can cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Chronic

PRIMARY ROUTES OF ENTRY: a) Skin b) Inhalation

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:

Pre-existing skin, eye and respiratory disorders may be aggravated by exposure to product.

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SECTION 12. ECOLOGICAL INFORMATION

ENVIRONMENTAL DATA: N/A 100% BIODEGRADABLE ECOTOXICOLOGICAL INFORMATION: N/A

SECTION 13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHODS:

Dispose of according to local, state and federal regulations for biodegradable soaps and detergents.

SECTION 14. TRANSPORT INFORMATION

**THIS PRODUCT MIXTURE DOES NOT CONTAIN QUANTITIES OF HAZ MET
NECESSARY FOR REPORTING AS DOT SHIPPING REGULATIONS**

SECTION 15. REGULATORY INFORMATION

THIS PRODUCT DOES NOT CONTAIN CARCINOGENS: (NTP, IARC, OSHA)

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SECTION 16. OTHER INFORMATION

KEEP OUT OF THE REACH OF CHILDREN!

IN CLOSE COOPERATION OF THE US GOVERNMENT'S PAPER REDUCTION ACT, AND ALSO IN EFFORT TO PROVIDE FULL AND COMPLETE INFORMATION AS SUGGESTED BY THE OSHA GUIDELINES, AND KEEPING IN ALIGNMENT WITH THE SOCIETY for CHEMICAL HAZARD COMMUNICATION (SCHC) AND WE HAVE BEEN ABLE TO KEEP ALL IN 4 PAGES..

THESE SDS SHEETS ARE WRITTEN IN AN EFFORT TO PROVIDE INFORMATION TO THE WORKER IN THE WORKPLACE AND IN SUCH A WAY IT CAN BE UNDERSTOOD.

We have enjoyed many compliments as to the readability and understandable content, and take great pride in providing these Safety Data Sheets to the use of our customers.

The International Labour Organization has suggested 16 sections of the sheets, and we have re adjusted the 8 part, and rearranged the information, and renamed the sheets from MATERIAL Safety Data Sheets to SAFETY DATA SHEETS. THE INFORMATION CONTAINED HEREIN IS BELIEVED TO BE ACCURATE. IT IS PROVIDED FOR A CONTINUING SAFETY PROGRAM INITIATED BY THE MANUFACTURER/DISTRIBUTOR NAMED ON THIS SHEET. IT IS NOT INTENDED TO CONSTITUTE PERFORMANCE INFORMATION CONCERNING THE PRODUCT. NO EXPRESS WARRANTY, OR IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE IS MADE WITH RESPECT TO THE PRODUCT OR THE INFORMATION CONTAINED HEREIN.

Please note that several items were left out of section 9 because they do not affect the worker in the workplace. Partition coefficient: n-octanol/water;
• Auto-ignition temperature; • Decomposition temperature and Odor threshold.