

Material Safety Data Sheet

Prepared according to OSHA Hazard Communication Standard (29 CFR 1910.1200) and ANSI MSDS Standard (Z400.1).
 Complies with Canadian Workplace Hazardous Materials Information System (WHMIS) standards.

Revision Date

Revision Number 0

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name Machine Cleaner, 10% Aqueous Solution

Product Code 716A

Chemical Family Miscellaneous

Material Uses Cleaner

Manufacturer Hangsterfer's Laboratories, Inc.
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 Mantua, NJ 08051
 Phone 856-468-0216
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 For more information contact: bblattenberger@hangsterfers.com

Emergency Telephone Number Chemtrec 1-800-424-9300 in US
 Canutec 1-613-996-6666 in Canada
 For international assistance, dial Chemtrec US number 703-527-3887

2. HAZARDS IDENTIFICATION

Acute Health Effects

Skin Not expected to be a primary skin irritant.

Eye Contact with eyes may cause irritation.

Inhalation Avoid breathing vapors or mists.

Ingestion Ingestion is not considered a likely route of exposure. Ingestion may result in minor gastrointestinal discomfort.

HMIS

Health Hazard	1
Fire Hazard	0
Reactivity	0

NFPA



Chronic Health Effects

No information available.

Carcinogenic Effects

Information on individual ingredients which may have carcinogenic effects, if any, will be found in Section 11 and 15.

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Aggravated Medical Conditions	No information available.
Miscellaneous Hazards	Avoid prolonged and/or repeated contact with skin. Prolonged and/or repeated contact with this material may produce mild skin irritation or inflammation.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Components

If any of the components of this product are defined as hazardous by OSHA Hazard Communication Standard 1910.1200 and are present at 1% or more (0.1% or more for carcinogens) they will be listed in this section. If no components appear in this section, no components of the product meet or exceed the reporting requirements. OSHA PELs and ACGIH TLVs refer to the concentration in air of the specific chemical as measured by specific analytical methods.

4. FIRST AID MEASURES

Eye Contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If eye irritation persists, consult a specialist.
Skin Contact	Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes.
Inhalation	Move to fresh air. Consult a physician if necessary.
Ingestion	Do not induce vomiting. Drink plenty of water. Consult a physician if necessary.

5. FIRE-FIGHTING MEASURES

Flammable Properties	Material may burn but does not ignite readily.
Suitable Extinguishing Media	Water spray or fog, dry chemical, carbon dioxide (CO ₂) or foam. Cool containers with flooding quantities of water until well after fire is out.
Unsuitable Extinguishing Media	Do not use a solid water stream as it may scatter and spread fire.
Hazardous Combustion Products	Carbon dioxide (CO ₂), Carbon monoxide., Oxides of nitrogen and ammonia vapors.
Specific Hazards Arising from the Chemical	May be ignited by heat, sparks or flames. Keep product and empty container away from heat and sources of ignition.
Protective Equipment and Precautions for Firefighters	As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions	Avoid contact with the skin and the eyes. Remove all sources of ignition.
Methods for Containment	Prevent further leakage or spillage if safe to do so. Dike to collect large liquid spills.

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Methods for Clean-up Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).

Other Information Report spills as required to the appropriate authorities.

7. HANDLING AND STORAGE

Handling Avoid contact with eyes. Keep in a well ventilated place. Do not puncture, crush or incinerate containers.

Storage Keep container tightly closed in a dry and well ventilated place. Keep away from direct sunlight. Keep away from heat and sources of ignition.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines This product does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Engineering Controls Ensure adequate ventilation, especially in confined areas

Eye/face Protection Safety glasses with side-shields.

Skin Protection Long sleeved clothing. Wear protective gloves/clothing.

Respiratory Protection If personal exposure levels cannot be maintained below accepted exposure limits, NIOSH/MSHA approved respiratory protection should be worn.

General Hygiene Considerations Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Colorless.	Odor	Mild.
Physical State	Liquid.	pH (10% soln/water)	No data available.
Flash Point	No data available.	Boiling Point/Range	No data available.
Melting Point/Range	No data available.	Solubility In Water	No data available.
Specific Gravity (Water=1)	No data available.	Vapor Density (Air=1)	No data available.
Vapor Pressure	No data available.	Volatility	No data available.
VOC Content, % Vol	No data available.		
Viscosity	No data available.		

10. STABILITY AND REACTIVITY

Chemical Stability Stable under normal conditions.

Conditions to Avoid Do not distill to dryness. Product can oxidize at elevated temperatures. Generation of gas during decomposition can cause pressure in closed systems.

Incompatible Materials Acids. Incompatible with oxidizing agents. Alkaline.

Hazardous Decomposition Products Carbon oxides., Nitrogen oxides (NOx) and ammonia.

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Hazardous Polymerization Hazardous polymerization does not occur.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity

LD50 Oral: No information available.

LD50 Dermal: No information available.

The table below indicates toxicological information for specific ingredients indicated. If no table appears, no toxicological information was found.

Irritation Not expected to be a primary skin irritant based on information on product components. May be a weak eye irritant based on data on product components.

Corrosivity Not expected to be corrosive. Based on data on components.

Sensitization No information available.

Chronic Toxicity No information available.

Carcinogenicity This product contains no ingredients with a concentration of 0.1% or more which are known to be carcinogenic.

Other Adverse Effects No information available.

12. ECOLOGICAL INFORMATION

Ecotoxicity Ecotoxicity and biodegradability of this complete mixture have not been evaluated. Consequently, this material should be kept out of sewage and drainage systems and all bodies of water and should not be considered readily biodegradable. If information is available on any of the individual components listed in Section 2, it will appear in a table below.

Persistence/Degradability No information available.

13. DISPOSAL CONSIDERATIONS

Waste Disposal Method Dispose of contents/container in accordance with local regulation.

14. TRANSPORT INFORMATION

DOT Not regulated.

TDG Not regulated.

MEX Not regulated.

ICAO Not regulated.

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<u>IATA</u>	Not regulated.
<u>IMDG/IMO</u>	Not regulated.
<u>RID</u>	Not regulated.
<u>ADR</u>	Not regulated.
<u>ADN</u>	Not regulated.

15. REGULATORY INFORMATION

U.S. Regulations & Inventories No regulatory requirements found. All components of this product are either listed on the TSCA inventory or are exempt from listing requirements.

U.S. State Right-to-Know Regulations Not known to contain any chemicals listed under California Proposition 65.

Canada Regulations & Inventories No regulatory requirements found. All components of this product are either listed on applicable inventories or are exempt from listing requirements.

This product has been classified in accordance with the hazard criteria of the Canadian CPR (Controlled Products Regulations) and the MSDS contains all the information required by the CPR.

Product Classification: D2B

International Regulations & Inventories No regulatory requirements found. The information on global inventory compliance is incomplete for this product.

16. OTHER INFORMATION

Regulatory Lists Searched & Other Sources of Information

ACGIH - American Convergence of Governmental Industrial Hygienists
ADN - European Agreement for International Carriage of Dangerous Goods by Inland Waterways
ADR - European Agreement for International Carriage of Dangerous Goods by Road
AICS - Australian Inventory of Chemical Substances
ANSI - American National Standards Institute
CAP65 - California Proposition 65 Hazard List
CAS - Chemical Abstract Services
CERCLA - Comprehensive Environmental Response, Compensation & Liability Act
CHINA - China Inventory
CPR - Canadian Controlled Products Regulations
DOT - United States Department of Transportation
DSL - Canada Domestic Substances List
EINECS - European Union (EU) European Inventory of Existing Commercial Chemical Substances
ENCS - Japan Existing and New Chemical Substances
IARC - International Agency for Research on Cancer
IATA - International Air Transport Association
ICAO - International Civil Aviation Organization
IMDG - International Maritime Dangerous Goods Code
MARTK - Massachusetts Right To Know List
NDSL - Canada Non-Domestic Substances List
NFPA - United States National Fire Protection Association
NIOSH - United States National Institute for Occupational Safety & Health
NJRTK - New Jersey Right To Know List
NTP - United States National Toxicology Program
OSHA - United States Occupational Safety & Health Administration
PARTK - Pennsylvania Right To Know List

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PICCS - Philippines Inventory of Chemicals and Chemical Substances
RCRA - United States Resources Conservation & Recovery Act
RID - European Agreement for International Carriage of Dangerous Goods by Rail
RIHSL - Rhode Island Hazardous Substance List
SARA - United States Superfund Amendments & Reauthorization Act
TDG - Canada Transportation of Dangerous Goods Act
TSCA - US Toxic Substances Control Act
WHMIS - Canada Workplace Hazardous Materials Information System

Definitions

EC50 - Effective Concentration (Concentration of a compound where 50% of the expected effect is observed.)
LC50 - Lethal Concentration (The concentration in water that will kill 50% of the test animals within a specific period of time, usually 96 hours.)
LD50 - Lethal Dose (The single dose that will kill 50% of the test animals by any route other than inhalation such as by ingestion or skin contact.)
OEL - Occupational Exposure Limit
PEL - Permissible Exposure Limits
STEL - Short Term Exposure Limit
TLV - Threshold Limit Value
TWA - Time Weighted Average
TWAEV - Time Weighted Average Exposure Value

Preparation Date

02-05-2009

The information provided on this MSDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

End of MSDS