

Sid Harvey item # F1-105

SDS # Z0049

MATERIAL SAFETY DATA SHEETIdentity: HYDRONIC #5 SILVER KING HYDRONIC #5 Page 1Section I - Manufacturer's InformationSilver King Mfg. Co.
520 Nesbawiny Avenue
Farrington, PA 18970Emergency Phone Number: (215) 343-5337
Information Phone Number: (215) 343-5337
Updated: 10/1/15Section II - Hazardous Ingredients/Identity Information

Hazardous Components	CAS Number	OSHA PEL	ACGIH TLV	%
POLYALKYLENE GLYCOL ETHER	9038-95-3	0.00	0.00	Some
POLYPROPYLENE GLYCOL 2025	25322-69-4	0.00	0.00	Minor Comp
TRIS(2-HYDROXYETHYL)AMINE	102-71-6	0.00	0.00	TRACE

Section III - Regulatory Information

DOT Proper Shipping Name:

CLEANING COMPOUND LIQUID

(NON-HAZARDOUS)

DOT Class: NA

DOT Number: NA

Hazard Status:

NA

ECLA Status:

NA

ARA/Title III - CERCLA List:

NA

Material Name

CAS Number

%

Reportable Quantity

ARA/Title III - Toxic Chemical List:

NA

Material Name

CAS Number

%

Reportable Quantity

SCA Inventory Status: All components listed on TSCA Inventory

Section III - Physical/Chemical Characteristics

Boiling Point:	212.0 F	Specific Gravity (H ₂ O=1):	1.0400 to 1.0600
Vapor Pressure (mm Hg):	NA	Melting Point:	NA
Vapor Density (air=1):	NA	Evaporation Rate (water=1):	1.00
Solubility in Water:	Complete	pH:	6.70 to 7.80

Appearance and Odor:

Clear Liquid

Practically no odor

Section IV - Fire and Explosion Hazard Data

Flash Point: NA Flammable Limits LEL: NA UEL: NA

Method Used:

NA

Extinguishing Media:

CO₂, Water, Foam, Dry Chemical

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Special Fire Fighting Procedures:

This product requires no known special procedures during a fire. Fire fighters should be protected from direct physical contact with the product since the exact nature and amounts of possible contaminants during a fire will be unknown.

Unusual Fire and Explosion Hazards:

NONE KNOWN

Section V - Reactivity DataStability: StableConditions to Avoid:

NA

Incompatibility (Materials to Avoid):

Strong Oxidizing agents.

Hazardous Decomposition or Byproducts:

CO, CO2, plus misc. unknowns in small amounts.

Hazardous Polymerization: May Not OccurConditions to Avoid:

NA

Section VI - Health Hazard DataRoute(s) of Entry:

Inhalation? Slight

Skin? Slight

Ingestion?

Slight

Health Hazards (Acute and Chronic):

Acute and chronic health hazards are difficult to accurately assess for mixtures. In general see the first aid section for acute effects and long term effects would have to be derived from these immediate results. Specific chronic effects can be studied from the individual hazardous chemicals as indicated under Section II as the best guess without extensive laboratory studies.

Carcinogenicity:

NTP? None Known

IARC Monographs?

None Known

OSHA Regulated?

None Known

Signs and Symptoms of Exposure:

This product may irritate eyes on contact, but no reaction is expected on skin contact. Oral ingestion may cause mild gastrointestinal distress.

Medical Conditions Generally Aggravated by Exposure:

A knowledge of the available toxicology information and of the physical properties of the material suggests that exposure is unlikely to aggravate existing medical conditions. However, due to the widely varying uses and personal exposures possible, an individual will have to evaluate his/her particular situation.

Emergency and First Aid Procedures:

EYES: Wash with water for 15 minutes, see a doctor

SKIN: Wash with water, apply skin lotion if redness persists.

OTHER: Wash mouth and other areas with water

See a doctor if ingested.

Identity: HYDRONIC #5SILVER KING HYDRONIC 5Page 3Section VII - Precautions for Safe Handling and UseSteps to Be Taken in Case Material is Released or Spilled:

Absorb small spills with suitable material (sand, clays, sawdust, earth) and place into leak-proof container for later disposal. Flush balance of area with water to remove residues. Dispose of all material in accordance with Federal, State, and Local laws.

Waste Disposal Method:

Since Federal, State, and local laws vary greatly from situation to situation, and since these materials are mixtures, no one preferred waste disposal method can be given. However, one must keep in mind that all of these type products are ultimately destined to go "down the drain" since they are cleaning compounds of one sort or another. Generally, in a highly diluted or completely neutralized state they present no particular environmental hazard, they can be treated as ordinary waste, which is piped to a sanitary sewer for proper waste treatment.

Neither the product nor its effluent should be discharged into any river, lake, stream, creek, or watershed that might contaminate drinking water or well water. Any discharge must be specifically permitted by the proper authority like the DEP or DER depending on your state laws.

Precautions to be Taken in Handling and Storing:

Do not freeze product. Do not subject product to excessive heat. Keep out of the reach of children. Do not contaminate food stuffs. Do not mix with any other chemicals except under direct supervision of a chemist, or technically trained supervisor. Mix only with water. During storage and transport of the product keep dry at all times, and do not exceed container integrity (i.e. improperly double or triple decking of palletized goods).

If sensitivity or aggravation of allergy, or unanticipated personal health problems become evident, stop use and see your supervisor. Keep in mind that often the use solution and the concentrate will have different safety precautions.

Other Precautions:

Launder contaminated clothing before re-use. Discard all contaminated gloves, boots, and other articles that can not be properly cleaned.

Section VIII - Control MeasuresRespiratory Protection (Specific Type):

Usually none needed.

Ventilation:

Local Exhaust:

Recommended

Special:

NA

Mechanical (General):

Usually sufficient

Other:

NONE KNOWN

Protective Gloves:

Light rubber gloves are recommended, i.e. Playtex type.

Eye Protection:

Safety glasses or chemical splash goggles are always recommended, as are eyewash foundations in all industrial processing areas.

Other Protective Clothing or Equipment:

Wear long sleeve shirts and pants. Launder dirty uniforms regularly.

Wash or shower daily to maintain good cleanliness when in contact with various cleaning or water treating chemicals.

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Work/ Hygienic Practices:

Non-Slip safety shoes with a splash apron are good practices to follow.
-----Start Clean-----Stay Clean-----End Clean = Work Safely.

Section IX - Documentary Information

Comments:

Section II Hazardous Material Section Percentage Key. If no hazardous chemicals are present then this section is not applicable.

Nil	-	0.0%	to	0.1%
Trace	-	0.1%	to	1.0%
Some	-	1.0%	to	5.0%
Minor Comp	-	5.0%	to	25.0%
Substantial	-	25.0%	to	50.0%
Major Comp	-	50.0%	to	100.0%

Substances listed in Section II are those identified as being present at a concentration of 1% or greater, or 0.1% if the substance is on the list of potential carcinogens cited in OSHA Hazard Communication STD.

If section II does not contain any hazardous chemicals as presently defined in our applicable tables the message.

*****NO HAZARDOUS CHEMICALS*****

will appear in this section above.

Note: For solid products, pH is taken of a 2% solution.

The information presented herein has been compiled from sources considered to be dependable and is accurate to the best of seller's knowledge or has been generated to the best of our ability without extensive research beyond our understanding or economical feasibility. Seller makes no warranty whatsoever expressed, implied, or of merchantability of the product or of results obtained from this report.

If you determine that the data does not meet your needs or that questions remain, consult your supplier before you purchase, store, transport or use this product.

Consult a technically trained service-person or salesman for use of this product as it specifically pertains to your situation. Seller assumes no responsibility for injury to buyer or to third persons or for any damage to property and buyer assumes all such risks.

MATERIAL SAFETY DATA SHEET

SH#
F1-105

MFG#
Hydronic5

Identity: HYDRONIC #5 SILVER KING HYDRONIC #5 Page 1

Section I - Manufacturer's Information

Silver King Mfg. Co.
620 Neshaminy Avenue
Warrington, PA 18976

Emergency Phone Number: (215) 343-5337
Information Phone Number: (215) 343-5337
Updated: 12/14/1995

Section II - Hazardous Ingredients/Identity Information

Hazardous Components	CAS Number	OSHA PEL	ACGIH TLV	%
POLYALKYLENE GLYCOL ETHER	9038-95-3	0.00	0.00	Some
POLYPROPLENE GLYCOL 2025	25322-69-4	0.00	0.00	Minor Comp
TRIETHANOLAMINE	102-71-6	0.00	0.00	Trace

Section IIa - Regulatory Information

DOT Proper Shipping Name:
CLEANING COMPOUND LIQUID
(NON-HAZARDOUS)

DOT Class: NA DOT Number: NA

RCLA Status:

NA

CERLA Status:

NA

SARA/Title III - CERLA List:

NA

Material Name	CAS Number	%	Reportable Quantity
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SARA/Title III - Toxic Chemical List:

NA

Material Name	CAS Number	%	Reportable Quantity
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TSCA Inventory Status: All components listed on TSCA Inventory

Section III - Physical/Chemical Characteristics

Boiling Point:	212.0 F	Specific Gravity (H2O=1):	1.0400 to .0600
Vapor Pressure (num Hq):	NA	Melting Point:	NA
Vapor Density (air=1):	NA	Evaporation Rate (water=1):	1.00
Solubility in Water:	Complete	pH:	6.70 to 7.80

Appearance and Odor:

Clear Liquid
Practically no odor

Section IV- Fire and Explosion Hazard Data

Flash Point: NA Flammable Limits LEL: NA UEL: NA

Method Used:

NA

Extinguishing Media:

CO2, Water, Foam, Dry Chemical

Section VII - Precautions for Safe Handling and Use

Steps to Be Taken in Case Material is Released or Spilled:

Absorb small spills with suitable material (sand, clays, sawdust, earth) and place into leak-proof container for later disposal. Flush balance of area with water to remove residues. Dispose of all material in accordance with Federal, State, and Local laws.

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Other Precautions:

Laundry contaminated clothing before re-use. Discard all contaminated gloves, boots, and other articles that can not be properly cleaned.

Section VIII - Control Measures

Respiratory Protection (Specific Type):

Usually none needed.

Ventilation:

Local Exhaust:	Recommended	Special:	NA
Mechanical (General):	Usually sufficient	Other:	NONE KNOWN

Protective Gloves:

Light rubber gloves are recommended, I.e. Playtex type.

Eye Protection:

Safety glasses or chemical splash goggles are always recommended, as are eyewash foundations in all industrial processing areas.

Other Protective Clothing or Equipment:

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Special Fire Fighting Procedures:

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Unusual fire and Explosion Hazards:

NONE KNOWN

Section V - Reactivity Data

Stability: Stable

Conditions to Avoid:

NA

Incompatibility (Materials to Avoid):

Strong Oxidizing agents

Hazardous Decomposition or Byproducts:

CO, CO2, plus misc. unknowns in small amounts.

Hazardous Polymerization: May Not Occur

Conditions to Avoid:

NA

Section VI - Health Hazard Data

Route(s) of Entry:

Inhalation? Slight Skin? Slight Ingestion? Slight

Health Hazards (Acute and Chronic):

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NTP? None Known IARC Monographs? None Known OSHA Regulated? None Known

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