SOLVENT SYSTEMS International, Inc.
Environmental Services

MATERIAL SAFETY DATA SHEET

24 Hour Emergency:
INFOTRAC: 1-800-535-5053

NOTE: INFOTRAC emergency number to be used only in the event of chemical emergencies involving a spill, leak, fire, exposure or accident involving chemicals.

Section 1 - Chemical Product / Company Information

Product Name:	Grease Gator Aqueous HD Parts Washer Formulation	Revision Date:	07/01/2009
Identification Number:	44991	Supercedes :	1/10/2005
Supplier:	Solvent Systems International 70 King Street Elk Grove Village, IL 60007 847-437-1100		

Section 2 - Composition / Information On Ingredients

Chemical Name	CAS Number	Wt % Less Than	ACGIH TLV-TWA	ACGIH TLV-STEL	OSHA PEL-TWA	OSHA PEL-Ceiling
Sodium xylene sulfonate	1300-72-7	5.0				
Tetrapotassium pyrophosphate	7320-34-5	5.0				
Sodium carbonate	497-19-8	5.0			5 mg/m3	
Alcohol alkoxylate	68154-97-2	5.0				
2-butoxyethanol	111-76-2	5.0	20 ppm		50 ppm	
Alkanolamide	68603-42-9	5.0				
Sodium metasilicate pentahydrate	6834-92-0	5.0				
Alkanolamide	68603-42-9	5.0				
2,2'iminobisethanol	111-42-2	5.0				

Section 3 - Hazards Identification

*** EMERGENCY OVERVIEW ***: No Information.

Effects Of Overexposure - Eye Contact: Contact with the eye may cause moderate irritation.

Effects Of Overexposure - Skin Contact: Prolonged or repeated contact can result in defatting and drying which may result in skin irritation and dermatitas (rash).

Effects Of Overexposure - Inhalation: Low order of toxicity.

Effects Of Overexposure - Ingestion: Overexposure may cause nausea, diarrhea, and/or vomiting. This material may be harmful if swallowed.

Effects Of Overexposure - Chronic Hazards: No information.

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

Section 4 – First Aid Measures

First Aid - Eye Contact: Flush eyes with water a minimum of 15 minutes occasionally lifting lower and upper lids. Get medical attention promptly. Do not permit victim to rub eyes. Remove contact lenses if worn.

First Aid - Skin Contact: Remove contaminated shoes and clothes and clean before reuse. Immediately flush skin with plenty of water. Remove clothing. Get medical attention immediately. Wash clothing separately before reuse.

First Aid - Inhalation: To prevent aspiration, keep head below knees. Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get immediate medical attention.

First Aid - Ingestion: Do not induce vomiting. Do not give liquids. Obtain emergency medical attention.

Section 5 - Fire Fighting Measures

Flash Point: N/A (TCC)

Lower Explosive Limit, %: N.D.
Upper Explosive Limit, %: N.D.

Extinguishing Media: Water, Water Fog.

Unusual Fire And Explosion Hazards: No Information.

Special Firefighting Procedures: Water spray and foam must be applied carefully to avoid frothing. Water spray to cool containers or protect personnel. Use with caution. Water runoff can cause environmental damage. Dike and collect water used to fight fire. As in any fire, wear self-contained breathing apparatus pressure-demand (MSHA/NIOSH approved or equivalent) and full protective gear.

Section 6 – Accidental Release Measures

Steps To Be Taken If Material Is Released Or Spilled: Flush spill area with water after clean up. Recover by pumping (use an explosion proof or hand pump). Eliminate all ignition sources. Do not touch or walk through spilled material. Ventilate spill area. Avoid runoff into storm sewers and ditches which lead to waterways. Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container.

Section 7 - Handling And Storage

Handling: Follow all MSDS/label precautions even after containers are emptied because they may retain product residues.

Storage: Do not allow to evaporate to near dryness. Store containers in a cool, well ventilated place. Keep away from heat, sparks, and flame. Keep from freezing. Keep container closed when not in use.

Section 8 - Exposure Controls / Personal Protection

Engineering Controls: Local exhaust ventilation if preferred.

Respiratory Protection: A NIOSH/MSHA approved air purifying respirator with an organic vapor cartridge or canister can be

permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits.

Skin Protection: Wear protective gear as needed - apron, suit, boots, or gloves.

Eye Protection: Do not wear contact lenses. Use chemical splash goggles and face shield (ANSI Z87.1 or approved equivalent).

Other protective equipment: Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

Hygienic Practices: Do not eat, drink, or smoke in areas where this material is used. Wash hands before eating. Wash thoroughly after handling.

Section 9 - Physical And Chemical Properties

Boiling Range:	N.D. - N.D.	Vapor Density:	>1 (air=1)
Odor:	Typical	pH:	.
Appearance:	Clear, transparent liquid	Evaporation Rate:	<1 (n-butyl acetate=1)
Solubility in H2O:	Soluble	Viscosity:	N.D.
Freeze Point:	N.D.	Specific Gravity:	1.0451
Vapor Pressure:	N.D.	Volatile Organic Compounds, g/L	25 g/L
Physical State:	Liquid		

(See section 16 for abbreviation legend)

Section 10 - Stability And Reactivity

Conditions To Avoid: Avoid excess heat and sources of ignition.

Incompatibility: Prevent contact with strong oxidizing agents. Avoid contact with alkalines. Do not use sodium nitrite or other nitrosating agents in formulations containing this product. Suspected cancer-causing nitrosamines could be formed. Avoid contact with ammonia. Keep away from acids. Avoid prolonged contact with alkali sensitive metals.

Hazardous Decomposition: Combustion can lead to the formation of ammonia. Decomposition causes sulfur oxides to be released. Decomposition releases nitrogen oxides. During combustion carbon dioxide may be formed. During combustion carbon monoxide may be formed. Toxic gases/fumes are given off during burning or thermal decomposition.

Hazardous Polymerization: N.D.

Stability: N.D.

Section 11 - Toxicological Information

Product LD50: N.D.

Product LC50: N.D.

Chemical Name	LD50 mg/kg	LC50 mg/L
Sodium xylene sulfonate	5989.0	.
Tetrapotassium pyrophosphate	2980.0	1.10
Sodium carbonate	4090.0	2300.0
Alcohol alkoxylate	2060.0	
2-butoxyethanol	1746.0	0.875
Alkanolamide	620.0	
Sodium metasilicate pentahydrate	1153.0	
Alkanolamide	620.0	
2,2'iminobisethanol	764	

Section 12 - Ecological Information

Ecological Information: N.D.

Section 13 - Disposal Information

Disposal Information: Dispose of waste in accordance with all local, state and federal regulations.

For assistance with your waste management needs, contact Solvent Systems International at (847) 437-1100.

Section 14 - Transportation Information

Non-regulated cleaning material.

Section 15 - Regulatory Information

CERCLA – SARA Hazard Category

This product has been reviewed according to the EPA 'Hazard Categories' promulgated under Sections 311and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories:

SARA Section 313:

This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40 CFR Part 372:

Chemical Name	CAS Number
2-butoxyethanol 2.4 %	111-76-2
2,2'iminobisethanol 1.1 %	111-42-2

Toxic Substances Control Act:

All components of this product are listed or are exempt from listing on the TSCA 8(b) inventory. If identified components of this product are listed under the TSCA 12(b) export notification rule, they will be listed below:

U.S. State Regulations: As follows –

New Jersey Right-to-Know:

The following materials are non-hazardous, but are among the top five components in this product.

Chemical Name	CAS Number
Deionized water	7732-18-5

Pennsylvania Right-to-Know:

The following non-hazardous ingredients are present in the product at greater than 3%.

Chemical Name	CAS Number
Deionized water	7732-18-5

International Regulations:

CANADIAN WHMIS:

This MSDS has been prepared in compliance with Controlled Product Regulations except for the use of the 16 headings.

Section 16 - Other Information

HMIS Ratings:

Health: 1 Flammability: 0 Reactivity: 0 Personal Protection: X

VOLATILE ORGANIC COMPOUNDS, g/L: 25 g/L.

REASON FOR REVISION:

Legend: N.A. - Not Applicable, N.E. - Not Established, N.D. - Not Determined