Material Safety Data Sheet

Section 1 Product Identification

Product Name: **Auto-Foam Car Wash**

Formula type: mild detergent

Manufacturer's Name:

Chem-Tech, Inc.
6551 Jansen Avenue NE – Suite 106
Albertville, MN 55301

Emergency Telephone: 1-800-535-5053
Information: 1-763-417-1380
Fax: 763-417-1389

Section 2 Hazardous Ingredients

Chemical Name	CAS#	%	Threshold Limit Value	Permissible Exposure Limit
Water	7732-18-5	82-92	NE	NE
Sodium dodecylbenzene sulfonate	25155-30-0	5-10	NE	NE
Ammonium laureth sulfate	32612-48-9	1-5	1000 ppm (TWA)	1000 ppm (TWA)
Cocamide DEA	68603-42-9	1-5	3 ppm (TWA)	3 ppm (TWA)

Balance of ingredients are not hazardous as defined by OSHA

Section 3 Physical Data

Form: Liquid
Color: Yellow
Odor: Mild
Specific Gravity (Water = 1): 1.01 - 1.02
Boiling Point °F: approx. 212
Evaporation Rate (Water = 1): <1

pH as is: 6.2 - 6.7
pH (1% vol) : 7.0 - 8.0
Solubility in Water: Complete
Vapor Density (Air = 1): <1
% VOC: <1
Vapor pressure: similar to water

Section 4 Fire and Explosion Information

Flash Point (Method) F: greater than 200F Cleveland Open Cup

Unusual Fire and Explosion Hazards: None know. Containers may melt or rupture from the heat of a fire.

Extinguishing Agents: Foam, carbon dioxide, dry chemical, water fog, water

Fire fighting methods: General guidelines as this material won't burn without driving off water. Evacuate area and fight fire from a safe distance. If leak or spill has not ignited, ventilate area and use water spray to disperse gas or vapor and to protect personnel attempting to stop a leak. Use water spray to cool adjacent structures and to protect personnel. Shut off source of flow if possible. Stay away from storage tank ends. Withdraw immediately in case of rising sound from venting safety devices or any discoloration of storage tank due to fire. Fire fighters must wear MSHA/NIOSH approved positive pressure breathing apparatus with full face mask and full protective equipment.

Section 5 Health Hazard Data - Signs and Symptoms of Overexposure:

Probable Routes of Entry: Eyes or skin

Eyes: Redness, irritation, tearing

Skin: Redness or dryness upon prolonged contact

Inhalation: Not expected under normal use conditions

Ingestion: Nausea, vomiting, diarrhea

Medical Conditions Aggravated by Exposure: Pre-existing skin disorders or abrasions.

Section 6 Emergency First Aid Procedures

Eyes:	Immediately flush eyes with cool running water for at least 15 minutes. Obtain medical aid if irritation develops.
Skin:	Wash with cool water. Obtain medical aid if irritation develops. Remove contaminated clothing and launder.
Inhalation:	Remove to fresh air. Monitor breathing. Obtain immediate medical aid.
Ingestion:	If conscious, drink two glasses of water. Induce vomiting, keep head down to avoid aspiration into lungs, and seek immediate medical aid. If unconscious, do not give anything to drink, do not induce vomiting, and obtain immediate medical assistance.

Section 7 Reactivity Data

Stability:	Stable at room temperature (68F) when stored and used under proper conditions.
Incompatibility:	Avoid contact with acids and oxidizing materials.
Hazardous Decomposition Products:	Smoke, carbon dioxide, carbon monoxide
Hazardous Polymerization:	Will not occur.

Section 8 Spill & Leak Procedures

Procedures for Cleanup:	Wear protective gear. Small spills: Area will be slippery. Mop thoroughly and rinse with water.
Large Spills:	Area will be very slippery. Dike product with sand or dirt. Keep out of surface waters. Salvage for reuse if possible. Otherwise place into suitable container for disposal. Inform local pollution officials of spill. Spill may be considered RCRA hazardous if contaminated. Call local regulatory agency.
Waste Disposal:	Contact the proper county, state or federal authorities. May be RCRA regulated if contaminated.

Section 9 Special Protection Information

Ventilation Type Required:	General or local
Protective Gloves:	If there is prolonged contact, wear rubber, neoprene, or nitrile gloves
Respiratory Protection:	Not necessary under normal use conditions and ventilation. If vapors are generated, wear NIOSH respirator for mists.
Eye Protection:	If there is splashing, wear safety glasses
Other Equipment:	Water source for eye and skin wash. Rubber boots to keep feet dry

Section 10 Special Precautions

Store between 30° F and 110° F. Store away from heat or ignition sources. Store out of direct sunlight. Keep out of reach of children. Keep container closed when not in use. For industrial and institutional use only. Mix only with water. Thoroughly rinse empty containers before disposal.

Section 11 Toxicity Data

Toxicity:

Ingredient	LD50 - Oral	LD50 – skin absorption	LC50 - Inhalation	Effects
Sodium dodecylbenzene sulfonate	1260 mg/kg (rat)	500 mg/24 hr (MOD)	ND	ND
Ammonium laureth sulfate	630 mg/kg (rat)	ND	ND	Eye and skin irritant
Cocamide DEA	12400 µL/kg (rat)	ND	ND	

Carcinogenicity:

Ingredient	NTP	IARC	OSHA
Sodium dodecylbenzene sulfonate	No	No	No
Ammonium laureth sulfate	No	No	No
Cocamide DEA	No	No	No

Other effects:

Ingredient	Reproductive Toxicity	Teratogenicity	Mutagenicity
Sodium dodecylbenzene sulfonate	ND	ND	Ames test: non-mutagenic
Ammonium laureth sulfate	ND	ND	ND
Cocamide DEA	ND	ND	ND

Section 12 Ecological Information

Ingredient	
Sodium dodecylbenzene sulfonate	Readily biodegradable / Aquatic LC50 = 1.0-10 mg/L
Ammonium laureth sulfate	Ultimate biodegradation has been shown to reach 100% in 28 to 55 days Fathead minnow 48 hrs = LC50 > 1.5 mg/L / Daphnia magna 24 hrs = LC50 > 5-37 mg/L
Cocamide DEA	Readily biodegradable / ultimate biodegradation = 93% in 15 days / Ecotoxicity: no data

Section 13 Hazard Rating - HMIS

0 = minimal 1 = slight 2 = moderate 3 = serious 4 = severe
Health: 0 Reactivity: 0 Fire: 0 Personal protection equipment = B (gloves & glasses)

Section 14 Regulatory Information

• Chemical Inventory Status - part 1 •

Ingredient	TSCA	EC	Japan	Australia
Sodium dodecylbenzene sulfonate	Yes	Yes	Yes	Yes
Ammonium laureth sulfate	Yes	Yes	Yes	Yes
Cocamide DEA	Yes	Yes	Yes	Yes

• Chemical Inventory Status – part 2 •

		-------Canada-----------		
Ingredient	Korea	DSL	NDSL	Philippines
Sodium dodecylbenzene sulfonate	Yes	Yes	No	Yes

Ammonium laureth sulfate	Yes	Yes	No	Yes
Cocamide DEA	Yes	Yes	No	Yes

• Federal, State & International Regulations – part 1 •

	---- SARA 302 ----		------ SARA 313 ------	
Ingredient	**RQ**	**TPQ**	**List**	**Chemical Catg.**
Sodium dodecylbenzene sulfonate	No	No	No	No
Ammonium laureth sulfate	No	No	No	No
Cocamide DEA	No	No	No	No

• Federal, State & International Regulations – part 2 •

Ingredient	**CERCLA**	**RCRA 261.33**	**TSCA 8(d)**
Sodium dodecylbenzene sulfonate	1000	No	No
Ammonium laureth sulfate	No	No	No
Cocamide DEA	2000	No	No

Chemical Weapons Convention: No **TSCA 12(b):** No **CDTA:** No

SARA 311/312: **Acute:** No **Chronic:** No **Fire:** No **Pressure:** No

Reactivity: No

Section 15 Shipping Name:
Cleaning Compound

Section 16 WHMIS

This MSDS has been prepared according to the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required by the CPR.

This product is not hazardous according to the CPR.

Section 17 Documentary Information

Date issued: 11-16-06 Supersedes: 10-13-06 Reason for update: Total revision

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ABBREVIATIONS:

NE = NOT ESTABLISHED	NDA = NO DATA AVAILABLE
> = GREATER THAN	<= LESS THAN
BCF = BIOCONCENTRATION FACTOR	ND = NO DATA