

SECTION – 1 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name	Hand-Tek Hand Cleaner		
Product Use	Hand Soap		
Company Name	Tekmar	Office	(805) 965-0704
	927 Hutash St	Fax	
	Santa Barbara, CA 93140	Web	www.tekmarltd.com

SECTION – 2 HAZARDS INFORMATION

Pictogram



Signal Word Warning

Hazards **PHYSICAL / HEALTH / ENVIRONMENTAL HAZARD STATEMENTS**

Causes serious eye irritation

HAZARD CATEGORY CLASSIFICATION

Category 2A Eyes

CODE
H319

Precautions **HANDLING / PROTECTION / FIRE / STORAGE / DISPOSAL**

Keep out of reach of children

CODE

P102

Wash thoroughly after handling

P264

Avoid release to the environment

P273

SECTION – 3 COMPOSITION INFORMATION

(Exact percentage of the listed chemicals of composition has been withheld as a trade secret)

CHEMICAL NAME	COMMON NAME AND SYNONYMS	CAS #	IMPURITIES	PERCENT
Nonylphenol Ethoxylate	Polyoxyethylene Nonyl Phenyl Ether	127087-87-0	Poly(ethylene oxide) < 3%, Dinonylphenyl polyoxyethylene < 2%	< 3%

SECTION – 4 FIRST AID MEASURES

Eye Contact	Immediately flush eyes with cold water for several minutes while lifting upper and lower eyelids, Remove contact lenses if present and easy to do without injury to the eye and continue rinsing, If irritation persists seek medical aid
Skin Contact	Wash with water
Inhaled	Not Applicable
Ingested	DO NOT INDUCE VOMITING, unless directed to do so by medical personnel, rinse mouth with water, and drink small quantities of water, Call a physician, or poison control center, and seek medical aid, If victim feels nauseous stop drinking, If vomiting occurs, keep head below hips to prevent aspiration into the lungs
Important Effects	None
Important Symptoms	None

SECTION – 5 FIRE FIGHTING MEASURES

Extinguishing Media	Not flammable: Use extinguishing media for surrounding fire
Explosion Hazard	Not applicable
Hazardous Decomposition	Burning or thermal decomposition can produce, carbon dioxide, carbon monoxide
Protective Equipment	Use MSHA/NIOSH approved self-contained breathing apparatus and full protective gear

SECTION – 6 ACCIDENTAL RELEASE MEASURES

Emergency Procedures	Warn personnel of spill
Personal Precautions	Avoid slipping on spilled product
Protective Equipment	Safety Glasses
Containment	Use rags or towels to prevent spill from spreading
Clean Up Procedures	Use wet vacuum or mop and wringer to pick up spilled material then mop area with clean water
Disposal	Dispose of material in accordance with all State and Federal Guidelines and Regulations

SECTION – 7 HANDLING AND STORAGE

Handling	Avoid eye contact
Storage	KEEP OUT OF REACH OF CHILDREN, Store in a closed container
Incompatible Materials	Incompatible with, oxidizing agents, reducing agents, strong acids, strong bases

SECTION – 8 EXPOSURE CONTROLS / PERSONAL PROTECTION**EXPOSURE LIMITS**

CHEMICAL NAME	ACGIH (TWA 8)	ACGIH (STEL)	OSHA PEL (TWA 8)	OSHA (CEIL)	Significant Exposure
Nonylphenol Ethoxylate	None Established				ED

PERSONAL PROTECTION

HMIS HAZARD RATINGS	
Health	1
Flammability	0
Reactivity	0
Personal Protection	

Eyes Safety glasses are not normally required but recommend when splashing is possible

Ventilation General Ventilation

SECTION – 9 PHYSICAL AND CHEMICAL PROPERTIES

Flash Point	Not applicable	Specific Gravity / Density	Not determined
Flammable Limits	Not applicable	pH (± 0.3)	7.2
Auto-Ignition Temp.	Not applicable	Viscosity	Not determined
Physical State	Viscous Paste	Freeze Point	Not determined
Appearance	Yellow Gritty Paste	Boiling Point	Not determined
Odor	Pleasant	Vapor Density (air=1)	Not determined
Odor Threshold	Not determined	Vapor Pressure (mmHg)	Not determined
Solubility	< 18%	Evaporation Rate (nBuAc=1)	Not determined
Volatiles	< 2%	Partition Coefficient	Not determined
VOC	< 1%	Molecular Weight (g/mol)	Not determined
LVP-VOC	Not determined	Decomposition Temperature	Not determined

SECTION – 10 STABILITY AND REACTIVITY

Reactivity	No specific test data related to reactivity available for this product or its ingredients
Chemical Stability	Stable under normal ambient and anticipated conditions of use
Hazardous Polymerization	Will not occur
Conditions To Avoid	Incompatible materials
Incompatible Materials	Incompatible with, oxidizing agents, reducing agents, strong acids, strong bases
Hazardous Decomposition	Burning or thermal decomposition can produce, carbon dioxide, carbon monoxide

SECTION – 11 TOXICOLOGICAL INFORMATION**ROUTES OF EXPOSURE**

Eyes (Yes), Ingestion (Yes)

ACUTE SYMPTOMS OF SINGLE OVEREXPOSURE

Eyes Can cause serious eye irritation
Skin May cause mild skin irritation
Inhalation Not applicable
Ingestion May be harmful if swallowed

CHRONIC SYMPTOMS OF PROLONGED OR REPEATED OVEREXPOSURE

Eyes Causes serious eye irritation
Skin Can cause mild skin irritation, drying or cracking
Inhalation Not applicable
Ingestion May be harmful if swallowed, May cause irritation, burning in the mouth, throat, and stomach

Acute Tox Calculated **Oral:** 18,025 mg/kg **Dermal:** 24,237 mg/kg **Inhaled:** 39.8 mg/L

Acute Tox Category Not applicable (Oral >2,000 mg/kg), Not applicable (Dermal >2,000 mg/kg), Not applicable (Inhaled >12.5 mg/L) Dust or Mist

Additional Info

Target Organs Eyes (Lens or cornea)
Medical Conditions Preexisting, eye, disorders may be aggravated by exposure to this product
Notes to Physician In case of ingestion, gastric lavage with activated charcoal can be used promptly to prevent absorption

CARCINOGENIC – This product contains concentrations above 0.1% of the following:

<u>CHEMICAL NAME</u>	<u>NTP</u>	<u>ACGIH</u>	<u>IARC</u>	<u>GHS Category</u>
None Listed	NA	NA	NA	NA

MUTAGENIC AND REPRODUCTIVE EFFECTS – This product contains concentrations above 0.1% of the following:

<u>CHEMICAL NAME</u>	<u>Germ Cell Mutagenicity</u>	<u>Toxic to Reproduction</u>
None Listed	NA	NA

COMPONENTS ACUTE TOXICITY

<u>CHEMICAL NAME</u>	<u>Type</u>	<u>Form</u>	<u>Subject</u>	<u>Result Value</u>	<u>Exposure Time</u>	<u>GHS Category</u>
Nonylphenol Ethoxylate	LD50	Oral	Rat	960 mg/kg		4 (>300, ≤2000 mg/kg)
	LD50	Inhaled	Rat	1.15 mg/L	4 Hours (Mist)	4 (>1.0, ≤5 mg/L)
	LD50	Dermal	Rabbit	2,001 mg/kg		(>2000 mg/kg)

SECTION – 12 ECOLOGICAL INFORMATION

<u>CHEMICAL NAME</u>	<u>Type</u>	<u>Subject</u>	<u>Subject Latin</u>	<u>Result Value</u>	<u>Exposure Time</u>	<u>GHS Category</u>
Nonylphenol Ethoxylate	LC50	Fathead Minnow	(Pimephales promelas)	3.8 mg/L	96 Hours	2 (>1, ≤10 mg/L)
	LC50	Water Flea	(Daphnia magna)	9.3 mg/L	48 Hours	2 (>1, ≤10 mg/L)

Presistence And Degradability No specific biodegradation test data was located
Bioaccumulative Potential No data available
Mobility In Soil No data available
Other Adverse Effects No data available

SECTION – 13 DISPOSAL CONSIDERATIONS

Disposal Statement DO NOT DUMP INTO ANY STORM SEWERS, ON THE GROUND, OR INTO ANY BODY OF WATER
 Dispose of any waste in accordance with all State and Federal Guidelines and Regulations
Container Disposal Triple rinse container then offer for recycling. If not available, puncture and dispose in a sanitary landfill

SECTION – 14 TRANSPORT INFORMATION**DOT CLASSIFICATION**

<u>UN Number</u>	<u>Proper Shipping Name</u>
Not Regulated	Non Hazardous – Compounds Cleaning Liquid

<u>Hazard Class</u>	<u>Packing Group</u>	<u>Label Codes</u>	<u>Reportable Quantity (lb)</u>	<u>Response</u>	<u>Marine Pollutant</u>	<u>Hazard Label</u>	<u>Secondary</u>
None	None	None	None	154	No		

Additional Info:

SECTION – 15 REGULATORY INFORMATION**TSCA**

CHEMICAL NAME	Sec 8(b) Inventory	Sec 8(d) Health And Safety	Sec 4(a) Chemical Test Rules	Sec 12(b) Export Notification
None Listed				

REPORTABLE QUANTITIES

CHEMICAL NAME	Extremely Hazardous	Reportable Quantity	Emission Reporting		
CHEMICAL NAME	EPCRA TPQ Sec 302	EPCRA RQ Sec 304	CERCLA RQ Sec 103	TRI Sec 313	RCRA Code RMP TQ Sec 112r
None Listed					

SARA

CHEMICAL NAME	Section 311	Section 311 / 312 Hazards				
CHEMICAL NAME	Hazardous Chemical	Acute	Chronic	Flammable	Pressure	Reactive
Nonylphenol Ethoxylate	Yes	Yes				

CALIFORNIA WARNING! This product contains chemicals known to the state of California to cause:

CHEMICAL NAME	CAS #	Birth Defects	Reproductive Harm	Carcinogen	Developmental
None Listed					

CLEAN AIR WATER ACTS

<u>CLEAN AIR WATER ACTS</u>		Clean Air Acts			Clean Water Acts		
CHEMICAL NAME	CAS #	HAP	Ozone Class 1	Ozone Class 2	HS	PP	TP
None Listed							

INTERNATIONAL REGULATIONS – The components of this product are listed on the chemical inventories of the following countries:

CHEMICAL NAME	Australia	Canada	Europe (EINECS)	Japan	Korea	UK
None Listed						

RIGHT TO KNOW

RIGHT TO KNOW						STATE							
CHEMICAL NAME	CA	CT	FL	IL	LA	NJ	NY	PA	MI	MN	MA	RI	WI
Nonylphenol Ethoxylate						Yes		Yes					

SECTION – 16 OTHER INFORMATION**SDS** **LEGEND DESCRIPTION**

~	Approximately	*	Additional Information
ACGIH	American Conference of Governmental Industrial Hygienists	LC50	A concentration that is lethal to 50% of a given species in a given time
CAS	Chemical Abstracts Service Registry	LD50	Dose that is lethal to 50% of a given species by a given route of exposure
CEIL	Ceiling Limit (15 minutes)	LEL	Lower Explosive Limit
CERCL	Comprehensive Environmental Response, Compensation, and Liability Act	LD	Liver Damage
CI	Cochlear Impairment	NA	Not Applicable
CNS	Central Nervous System	ND	Not Determined
EC50	Concentration of a chemical that gives half-maximal response	NE	Not Established
EPA	Environmental Protection Agency	NFPA	National Fire Protection Association
Eye	(EI = Irritation) (ED = Damage) (EV = Visual Impairment)	NIOSH	National Institute for Occupational Safety and Health
FBG	Full Bunker Gear	NTP	National Toxicology Program
GHS	Globally Harmonized System	OSHA	Occupational Safety and Health Administration
HAP	California Hazardous Air Pollutant Clean Air Act	PEL	Permissible Exposure Limit (OSHA)
HMIS-A	Safety glasses	PNS	Peripheral Nervous System
HMIS-B	Safety glasses, gloves	PP	California Priority Pollutant under the Clean Water Act
HMIS-C	Safety glasses, gloves, chemical apron	REL	Recommended exposure limit (NIOSH)
HMIS-D	Face shield, gloves, chemical apron	RT	Upper Respiratory Tract
HMIS-E	Safety glasses, gloves, dust respirator	Skin	(SI = Irritation) (SD = Damage) (SA = Absorption) (SS = Sensitizer)
HMIS-F	Safety glasses, gloves, chemical apron, dust respirator	SARA	Superfund Amendments and Reauthorization Act
HMIS-G	Safety glasses, gloves, vapor respirator	STEL	Short Term Exposure Limit (15 minutes)
HMIS-H	Splash goggles, gloves, chemical apron, vapor respirator	TC Lo	Lowest concentration that is toxic to a given species in a given time
HMIS-I	Safety glasses, gloves, dust and vapor respirator	TD Lo	Lowest dose that is toxic to a given species
HMIS-J	Splash goggles, gloves, chemical apron, dust and vapor respirator	TLV	Threshold Limit Value (ACGIH)
HMIS-K	Air line hood or mask, gloves, full chemical suit, boots	TP	California Toxic Pollutant under the Clean Water Act
HMIS-X	Ask Supervisor	TSCA	Toxic Substances Control Act
HS	California Hazardous Substance under the Clean Water Act	TWA	Time Weighted Average (8 hours)
KD	Kidney Damage (nephropathy)	UEL	Upper Explosive Limit

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