

SAFETY DATA SHEET

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CRL Catalog Number: HC720

I. CHEMICAL PRODUCT IDENTIFICATION

Product Name: GEL CITRUS HAND CLEANER

HMIS Ratings:

Health: Minimal(0)
 Flammability: Minimal(0)
 Instability/Reactivity: Minimal(0)

NFPA Ratings:

Health: Minimal(0)
 Flammability: Slight(1)
 Instability/Reactivity: Minimal(0)

II. COMPOSITION, INFORMATION ON INGREDIENTS

Chemical Ingredients	C.A.S. Number	% By Weight	ACGIH TLV TWA/STEL	OSHA PEL TWA/STEL	Other TWA/STEL	LD50	LC50
NONE							
Notes							
Other:	PROPRIETARY INGREDIENTS PROTECTED BY TRADE SECRET. DISCLOSURES FILED WITH APPROPRIATE NATIONAL GOVERNMENT AUTHORITIES. EMERGENCY OVERVIEW: INDIVIDUAL INGREDIENTS NOT CONSIDERED CARCINOGENIC BY NTP, OSHA OR IARC. COMPONENTS ARE NOT CONSIDERED HAZARDOUS BY INGESTION BUT ARE CAPABLE OF PRODUCING GASTROINTESTINAL IRRITATION AND UPSET. PHYSICAL APPEARANCE AND ODOR: WHITE OPAQUE GEL WITH A FRESH ORANGE ODOR.						

III. HAZARDS IDENTIFICATION PRIMARY ROUTE OF ENTRY

Eyes: EYE IRRITATION CONSISTENT WITH A SOAP AND SOLVENT BASED PRODUCT.

Skin: ACUTE: NONE

Ingestion: CAPABLE OF IRRITATION TO THE GASTROINTESTINAL TRACT WITH VOMITING AND DIARRHEA POSSIBLE. VOMITING POSES THE RISK OF ASPIRATION PNEUMONIA DUE TO SOLVENT CONTENT OF PRODUCT.

Inhalation: NOT APPLICABLE

Signs and Symptoms of Exposure: CHRONIC EFFECTS: NO KNOWN CHRONIC EFFECTS.

Medical Conditions Aggravated by Exposure: IRRITANT TO BROKEN SKIN.

IV. FIRST AID MEASURES

Eyes: FLUSH WITH FLOWING WATER AT LEAST 15 MINUTES, CONTACT PHYSICIAN IF IRRITATION PERSISTS.

Skin: NOT APPLICABLE

Ingestion: GIVE WATER TO DILUTE SUBSTANCE. CONTACT A PHYSICIAN IMMEDIATELY.

NOT APPLICABLE

Other: NOTE TO PHYSICIAN: IF PRODUCT IS SWALLOWED POSSIBLE ASPIRATION PNEUMONIA IS A COMPLICATION THAT MAY REQUIRE PROMPT MEDICAL INTERVENTION SIMILAR TO THE TREATMENT FOR INGESTION OF HYDROCARBON SOLVENTS. THIS PRODUCT EXHIBITS A LOW HUMAN TOXICITY RISK HOWEVER.

V. FIRE FIGHTING MEASURES

Flash Point: 102°F

Test Method: PENSKY–MARTENS CLOSED CUP

Lower Flammability Limit: PRODUCT IS NOT FLAMMABLE

Upper Flammability Limit: PRODUCT IS NOT FLAMMABLE

Extinguishing Agents: DRY CHEMICAL, FOAM, OR CO² IF RESIDUAL INGREDIENTS ARE BURNING FOLLOWING THERMAL DECOMPOSITION.

Unusual Fire or Explosion Hazards: NONE

Fire Fighting Procedures: NONE

Other: FIRE HAZARD DATA: ALTHOUGH PRODUCT EXHIBITS A FLASH POINT, THE BLENDED COMPONENTS WHICH COMPRISE THE FINISHED PRODUCT DO NOT SUSTAIN COMBUSTION (BURNING) IN NORMAL USE DUE TO THE PRESENCE OF NON-FLAMMABLE INGREDIENTS.

VI. ACCIDENTAL RELEASE MEASURES

Containment/Cleanup: EVACUATION PROCEDURES AND SAFETY: </BR> NO SPECIAL EVACUATION REQUIREMENTS, BREATHING PROTECTION REQUIRED WHEN APPROACHING CONTAINERS UNDER FIRE CONDITIONS. </BR> CONTAINMENT OF SPILL: </BR> IF SPILL IS LARGE DIKE OFF, IN A CONTAINMENT AREA AND SCOOP UP INTO DISPOSAL CONTAINERS. PRODUCT IS BIODEGRADABLE AND MAY BE SAFELY DISPOSED OF IN A LANDFILL OR AT AN INCINERATION FACILITY. RESIDUAL PRODUCT MAY BE RINSED OFF TO DRAINS WITH WATER. </BR> CLEANUP AND DISPOSAL OF SPILLS: </BR> SMALL SPILLS MAY BE WIPED UP WITH ABSORBENT TOWELS. </BR> LARGE SPILLS SHOULD BE CONTAINED, ABSORBED AND PLACED IN SUITABLE CONTAINERS FOR DISPOSAL. INCINERATE OR LANDFILL WASTE IN A PROPERLY PERMITTED FACILITY COMPLYING WITH FEDERAL, STATE AND LOCAL REGULATIONS.

VII. HANDLING AND STORAGE

Other: MINIMUM/MAXIMUM STORAGE TEMPERATURES: </BR> HANDLING: 40° – 120° F (5 – 50° C) </BR> STORAGE: BETWEEN 40° – 120° F (5 – 50° C) IN ORIGINAL CONTAINERS. DO NOT FREEZE.

VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Eyes: NONE REQUIRED, AVOID DIRECT EYE CONTACT HOWEVER.

Skin: NOT REQUIRED.

Respiratory: NOT REQUIRED.

Engineering: NONE REQUIRED.

IX. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	WHITE OPAQUE GEL
Boiling Point:	93° – 105° C (APPROXIMATELY)
Freezing Point:	N/A
pH:	8.0 – 9.0 (8.8 IS TYPICAL)
Solubility in Water:	DISSOLVES COMPLETELY, FORMS STABLE EMULSION*
Specific Gravity:	0.84 @ 20°C (H ₂ O=1)
Vapor Pressure:	18 MM HG @ 68°F (ESTIMATE)
Vapor Density:	0.7 (AIR=1)
Other:	*AT HIGHER CONCENTRATIONS IN WATER.

X. STABILITY AND REACTIVITY

Stability:	STABLE
Hazardous Polymerization:	WILL NOT OCCUR.
Hazardous Decomposition Products:	UNDER FIRE CONDITIONS: OXIDES OF NITROGEN, SULFUR, AND CARBON MAY FORM AS THERMAL DECOMPOSITION PRODUCTS.
Incompatible Products:	OXIDIZING AGENTS.
Conditions To Avoid:	DO NOT FREEZE!

XI. TOXICOLOGICAL INFORMATION

Acute Toxicology Data:	BASED ON THE KNOWN TOXICITY PROFILE OF THE COMPONENTS UTILIZED IN ITS MANUFACTURE, THIS PRODUCT IS NOT KNOWN TO BE TOXIC AT ANY CONCENTRATION.
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XII. ECOLOGICAL INFORMATION

Environmental Fate and Distribution:	PRODUCT IS NOT SUBJECT TO REGULATIONS IN THE USA. PRODUCT IS COMPLETELY BIODEGRADABLE. CHEMICAL FATE INFORMATION: INFLUENCE OF OXYGEN, MICROORGANISMS, AND SUNLIGHT SERVE TO BIODEGRADE THIS PRODUCT TO INORGANIC SALTS (COMPLETE MINERALIZATION) CONDITIONS, CARBON DIOXIDE, AND WATER. OXYGEN IS REQUIRED FOR THIS BIODEGRADATION PROCESS. OXYGEN WILL DEplete FROM WATERS THAT HAVE RECEIVED A LARGE AMOUNT OF THIS PRODUCT IN ITS CONCENTRATED FORM. VOC CONTENT: PER EPA METHOD # 24 = 27.5% BY VOLUME, 24.4% BY WEIGHT AS ORANGE PEEL DERIVED D-LIMONENE.
Ecotoxicity:	ENVIRONMENTALLY NON-TOXIC

XIII. DISPOSAL CONSIDERATIONS

Disposal Method:	LANDFILL OR RINSE TO SEWAGE TREATMENT FACILITY. CONTAINER HANDLING AND DISPOSAL: STORE IN ORIGINAL CONTAINERS, DISPOSE AS NON-HAZARDOUS WASTE.
RCRA Class:	NOT EPA HAZARDOUS

XIV. TRANSPORT INFORMATION

D.O.T. Shipping Name:	NOT REGULATED FOR TRANSPORT.
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Other: INGREDIENTS NOT CLASSIFIED IN ADR/RID, AND ADNR, IMDG, IATA/ICAO-DGR.

XV. REGULATORY INFORMATION

TSCA Status: ALL INGREDIENTS LISTED ON TSCA INVENTORY.

EPA Sara Title III Chemical NOT SUBJECT TO REPORTING REQUIREMENTS.

Listings:

Supplemental State NOT APPLICABLE.

Compliance Information:

Other: INVENTORY STATUS: LISTED ON TSCA, EINECS, DSL, ENCS (JAPAN), KOREA, AUSTRALIA, CHINA, PICCS (PHILIPPINES).

XVI. OTHER INFORMATION

WARRANTY INFORMATION

THIS INFORMATION IS OFFERED IN GOOD FAITH AS TYPICAL VALUES AND NOT AS A PRODUCT SPECIFICATION. NO WARRANTY, EXPRESSED OR IMPLIED, IS HEREBY MADE. THE RECOMMENDED INDUSTRIAL HYGIENE AND SAFE HANDLING PROCEDURES ARE BELIEVED TO BE GENERALLY APPLICABLE. HOWEVER, EACH USER SHOULD REVIEW THESE RECOMMENDATIONS IN THE SPECIFIC CONTEXT OF THE INTENDED USE AND DETERMINE WHETHER THEY ARE APPROPRIATE.