

MATERIAL SAFETY DATA SHEET

RYKO GENERAL PURPOSE CLEANER

RYKO MANUFACTURING CO.
11600 NW 54TH AVE.
GRIMES, IA 50111
515-986-3700
EMERGENCY PHONE NO.: CHEMTREC 1-800-424-9300 (U.S. and Canada)

SECTION I - PRODUCT INFORMATION

PRODUCT NAME: RYKO General Purpose Cleaner	HMIS Rating
PRODUCT PART NUMBER(S): 13398-001	Health = 3
CHEMICAL NAMES AND SYNONYMS: N/A	Fire = 0
PRODUCT TYPE: Acidic Cleaner	Reactivity = 0
FORMULA: Proprietary information	Equipment = --

SECTION II - HAZARDOUS INGREDIENTS

Ingredients	CAS Number	Percent	TLV / PEL
Hydrochloric Acid	7647-01-0	1 - 10	5 ppm
Water, compatible surfactant, Dyes, and fragrances		Balance	

SECTION III - PHYSICAL DATA

BOILING POINT: 212°F	SPECIFIC GRAVITY: 1.05
VAPOR PRESSURE: <1 mm Hg @ 25°F	VOLATILE BY VOLUME: UNK
VAPOR DENSITY (AIR = 1): <1	EVAPORATION RATE (Ether = 1): <1
pH: <1	SOLUBILITY IN WATER: Complete
APPEARANCE & ODOR: Clear blue liquid with mint odor.	

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: UNK
FLAMMABLE LIMITS (% volume in air): LEL: UNK UEL: UNK
EXTINGUISHING MEDIA: Carbon dioxide, foam or water.
SPECIAL FIRE FIGHTING PROCEDURES: Wear full protective clothing. Use water spray to cool containers exposed to fire.
UNUSUAL FIRE AND EXPLOSION HAZARDS: Extinguish all nearby sources of ignition in a spill situation since flammable hydrogen gas could be liberated on contact with some metals

SECTION V - HEALTH INFORMATION

THRESHOLD LIMIT VALUE: 5ppm OSHA PEL 5ppm
EFFECTS OF OVEREXPOSURE: Primary irritant dermatitis or destruction of skin tissue can occur with prolonged exposure.

EMERGENCY FIRST AID PROCEDURES:

Eye Contact: Flush eyes with cool running water for 30 minutes while calling for immediate medical attention.
Skin Contact: Immediately flush with running water and if prolonged skin contact occurred get immediate medical attention.
Inhalation: If conscious give lots of water and get immediate medical attention.
Ingestion: DO NOT INDUCE VOMITING, give lots of water to drink and seek immediate medical attention.
Route(s) of Entry: Inhalation? X Skin? X Ingestion? X

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SECTION V - HEALTH INFORMATION continued

Health Hazards

Acute - Causes chemical burns

Chronic - Information on chronic health hazard not currently available.

Chemical Listed as Carcinogen or Potential Carcinogen:

National Toxicology Program	_____ YES	<u> X </u> NO
I.A.R.C. MONOGRAPHS	_____ YES	<u> X </u> NO
OSHA	_____ YES	<u> X </u> NO

Signs and Symptoms of Exposure: Irritation, burning of skin, mucous membranes and respiratory system.

SECTION VI - REACTIVITY DATA

STABILITY: X STABLE _____ UNSTABLE

INCOMPATIBILITY: May liberate hydrogen chloride if product comes in contact with alkalis, reducing or oxidizing agents.

HAZARDOUS DECOMPOSITION PRODUCTS: Hydrogen chloride, chlorine gas.

HAZARDOUS POLYMERIZATION: _____ WILL OCCUR X WILL NOT OCCUR

CONDITIONS TO AVOID: Alkalis, cyanide, sulfides, formaldehyde, metal oxides and/or oxidizing agents.

SECTION VII - SPILL AND LEAK PROCEDURES

SPILL OR LEAK PROCEDURES: Small spills may be flushed to the sewer with large amounts of water. Large spills should be contained and neutralized with soda ash or lime. Wear appropriate protective gear.

WASTE DISPOSAL METHODS: Neutralized product can be released to sanitary sewer in accordance with existing local, state, and federal regulations.

SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: None required..

VENTILATION REQUIRED: Local exhaust sufficient, mechanical exhaust not required.

EYES: Chemical goggles or full face shield.

SKIN: Wear rubber or neoprene gloves.

SECTION IX - D.O.T. SHIPPING INFORMATION

Proper Shipping Name: Hydrochloric Acid, solution.

Hazard Class: 8

ID Number: UN 1789

Label Requirements: Corrosive

Packing Group: II

SECTION X - ADDITIONAL INFORMATION

PRECAUTIONS IN HANDLING AND STORAGE AND OTHER PRECAUTIONS:

Practice common sense in the handling of these products. Avoid spills and splashing of opened products. Store product in tightly closed original container. Store in cool dry place. Provide adequate ventilation. **KEEP OUT OF REACH OF CHILDREN.**

ADDITIONAL INFORMATION

This information is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for particular purposes.