

13131807

MATERIAL SAFETY DATA SHEET **REVISED AUGUST 2012**

APEX ENGINEERING PRODUCTS CORPORATION

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Aurora, Illinois 60504
Phone: 800-451-6291 FAX: 630-820-8886

For Chemical Emergency, Spill, Leak, Fire Exposure or Accident
Call CHEMTREC Day or Night
DOMESTIC NORTH AMERICA 800-424-9300
INTERNATIONAL, CALL 703-527-3887 (collect calls accepted)

PRODUCT INFORMATION

TRADE NAMES OR SYNONYMS:
FORMULA:
CHEMICAL FAMILY:

RYDLYME, RID-LIME
PROPRIETARY, CONFIDENTIALITY REQUIRED
WATER SCALE CLEANER

HAZARDOUS INGREDIENTS

MATERIAL OR COMPONENT
HYDROGEN CHLORIDE, AQUEOUS

TLV (p.p.m.)
5

PEL (p.p.m.)
5

APPROXIMATE %
LESS THAN 10

NOTE: Laboratory tests indicate material to be **BIODEGRADABLE**. Certified to NSF/ANSI 60. NSF Registered for use in beverage, pharmaceutical, bottling, poultry, and other food processing plants. USFDA has no jurisdiction over the product, since it does not come in direct contact with food. Non-reportable under Sara Title 3: Section 311/312/313 Categorization. Not reportable under CERCLA.

PHYSICAL DATA

BOILING POINT:
FREEZING POINT:
SOLUBILITY IN WATER:
SPECIFIC GRAVITY, (WATER=1):
VAPOR PRESSURE:
VAPOR DENSITY, (AIR=1):
PERCENT VOLATILE BY VOLUME:
APPEARANCE:
ODOR:
pH:
EVAPORATION RATE, (WATER=1):
PHYSICAL STATE:

213° F / 101° C.
0° F / -18° C
MISCIBLE
1.045
30 TORR.
GREATER THAN 1
99.6
DARK LIQUID
ROASTED ALMONDS
UNREADABLE, GENERALLY <3
SLOW
LIQUID

FIRE AND EXPLOSION HAZARD DATA

FLASH POINT:
EXTINGUISHING MEDIA:
SPECIAL FIRE FIGHTING PROCEDURES:
UNUSUAL FIRE & EXPLOSION HAZARDS:

NO FLASH POINT, EXTINGUISHES FLAME
DOES NOT SUPPORT COMBUSTION
NONE-WATER WILL CONTROL, OR CO2/DRY CHEMICALS
NON-COMBUSTIBLE OR EXPLOSIVE. BREATHING
APPARATUS RECOMMENDED

HMIS

HEALTH:
FLAMMABILITY:
REACTIVITY:
PERSONAL PROTECTION:

0
0
0
B

HEALTH HAZARD DATA

EFFECTS OF OVER EXPOSURE: EMERGENCY & FIRST AID:

SHOULD NOT BE CONSIDERED HAZARDOUS WHEN USED AS DIRECTED.
IF EYE/SKIN CONTACT, COPIOUS WATER RINSE. CONSULT PHYSICIAN.
NOT TO BE TAKEN INTERNALLY. IF INGESTED-DO NOT INDUCE VOMITING-
DRINK MILK, EGG WHITES, ETC. AS DIRECTED BY PHYSICIAN.
ADVERSE EFFECTS ON HUMAN HEALTH ARE NOT EXPECTED FROM THE
RYDLYME SOLUTION, BASED UPON 70+ YEARS OF USE WITHOUT
REPORTED ADVERSE HEALTH INCIDENCE IN DIVERSE POPULATION
GROUPS, INCLUDING EXTENSIVE USE IN THE U.S. ARMED FORCES.

NOTE:

REACTIVITY DATA

STABILITY: INCOMPATIBILITIES: HAZARDOUS DECOMPOSITION PRODUCTS: HAZARDOUS POLYMERIZATION: CONDITIONS TO AVOID:

STABLE
STRONG CAUSTICS
NONE
WILL NOT OCCUR
EXCESSIVE HEATING

SPILL AND DISPOSAL PROCEDURES

ACTION TO TAKE FOR SPILLS:

RINSE WITH COPIOUS AMOUNTS OF WATER TO DILUTE. SODIUM
BICARBONATE MAY ALSO BE USED TO SOAK UP AND NEUTRALIZE LIQUID,
IF NECESSARY.

DISPOSAL METHOD:

EXPENDED OR USED MATERIAL MAY BE DISPOSED OF DOWN SEWER WITH
WATER FLUSH IN ACCORDANCE WITH THE LOCAL, STATE, PROVINCIAL,
AND FEDERAL REGULATIONS FOR YOUR LOCATION. MATERIAL IS
BIODEGRADABLE-EVEN IN AS RECEIVED FORM.

SPECIAL HANDLING INFORMATION

VENTILATION: RESPIRATORY: PROTECTIVE GLOVES: EYE PROTECTION: OTHER PROTECTIVE EQUIPMENT:

NORMAL (MECHANICAL)
NONE
RECOMMENDED, SUCH AS NEOPRENE GLOVES.
RECOMMENDED, SUCH AS CHEMICAL GOGGLES.
AS RECOMMENDED BY PLANT SAFETY DEPARTMENT. TO PREVENT
STAINING OF CLOTHES, WEAR AN APRON.

SPECIAL PRECAUTIONS

HANDLING AND STORING: CAN MATERIAL BE STORED OUTSIDE? OTHER PRECAUTIONS:

PRESERVE INTEGRITY OF CONTAINER.
YES, MAINTAIN TEMPERATURE BETWEEN 10°-180° F.

Please use material only as directed. If procedures are not published for your particular application, please call for assistance. Furthermore, **RYDLYME** is designed to be used by itself or diluted with water and water only. Do not heat. Use **RYDLYME** at an ambient temperature. Vent circulating solution to atmosphere. Some adverse reactions may occur with some alloys of aluminum, magnesium, and/or zinc. Please consult the manufacturer.

CAUTION: **RYDLYME** is non-corrosive, but the application of **RYDLYME** may expose pre-existing under deposit corrosion (pitting, holes or similar damage) that can result in leaks in pipes, equipment or systems.

**FOR ADDITIONAL INFORMATION, PLEASE REVIEW THE RYDLYME SPECIFICATIONS OR CONTACT
OUR MANUFACTURING FACILITY AT 800-451-6291.**

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