

ZEP MFRG COMPANY -- RINGMASTER 1846 GENERAL PURPOSE BATHROOM CLEANER --  
7930-01-423-1145

===== Product Identification =====

Product ID:RINGMASTER 1846 GENERAL PURPOSE BATHROOM CLEANER

MSDS Date:01/20/1993

FSC:7930

NIIN:01-423-1145

Status Code:A

MSDS Number: CLJBK

=== Responsible Party ===

Company Name:ZEP MFRG COMPANY

Address:1310 SEABOARD INDUSTRIAL BLVD NW

Box:2015

City:ATLANTA

State:GA

ZIP:3030

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Country:US

Info Phone Num:404-352-1680

Emergency Phone Num:(800)424-9300

Preparer's Name:HENRY SIMMONS

Chemtrec Ind/Phone:(800)424-9300

CAGE:GO795

=== Contractor Identification ===

Company Name:ZEP MFRG COMPANY

Address:1310 SEABOARD INDUSTRIAL BLVD NW

Box:2015

City:ATLANTA

State:GA

ZIP:30301

Country:US

Phone:404-352-1680

CAGE:GO795

===== Composition/Information on Ingredients =====

Ingred Name:HYDROCHLORIC ACID

CAS:7647-01-0

RTECS #:MW4025000

&lt; Wt:5.

OSHA PEL:C7 MG/M3;C5

PPM  
ACGIH STEL:C7.5 MG/M3;C5 PPM  
EPA Rpt Qty:5000 LBS  
DOT Rpt Qty:5000 LBS

Ingred Name:PHOSPHORIC ACID  
CAS:7664-38-2  
RTECS #:TB6300000  
Minumum % Wt:20.  
Maxumum % Wt:30.  
OSHA PEL:1 MG/M3  
ACGIH TLV:1 MG/M3  
ACGIH STEL:3 MG/M3  
EPA Rpt Qty:5000 LBS  
DOT Rpt Qty:5000 LBS

Ingred Name:DODECYLBENZENESULFONIC ACID  
CAS:27176-87-0  
RTECS #:DB6600000  
Minumum % Wt:10.  
Maxumum % Wt:20.  
EPA Rpt Qty:1000 LBS  
DOT Rpt Qty:1000 LBS

Ingred Name:ISOPROPYL ALCOHOL  
CAS:67-63-0  
RTECS #:NT8050000  
Minumum % Wt:5.  
Maxumu  
m % Wt:15.  
OSHA PEL:980 MG/M3;400 PPM  
ACGIH TLV:983 MG/M3;400 PPM  
ACGIH STEL:1230 MG/M3;500 PPM

===== Hazards Identification =====

Health Hazards Acute and Chronic:ACUTE EFFECTS OF OVEREXPOSURE:  
CORROSIVE TO THE SKIN. EYE CONTACT CAN PRODUCE CORNEAL DAMAGE OR  
BLINDNESS. SKIN CONTACT CAN PRODUCE INFLAMMATION, REDDENING, AND  
BLISTERING. INHALATION OF SPRAY MIST OR VAPORS MAY PRODUCE  
IRRITATION, BURNING, OR DESTRUCTION OF TISSUES IN THE RESPIRATO

RY

TRACT, CHARACTERIZED BY COUGHING, PAIN, OR SHORTNESS OF BREATH. SEVERE OVEREXPOSURE MAY LEAD TO FATAL LUNG DISEASE . INGESTION CAN CAUSE ABDOMINAL PAIN. NAUSEA, VOMITING, AND COLLAPSE. ALONG WITH TISSUE DESTRUCTION IN THE GASTROINTESTINAL TRACT. INGREDIENTS IN THIS PRODUCT MAY AGGRAVATE EXISTING SKIN, EYE, OR RESPIRATORY DISORDERS.

Medical Cond Aggravated by Exposure:

===== First Aid Measures =====

First Aid:SKIN: IMMEDIATELY FLUSH CONTAMINATED SKIN WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES. GET MEDICAL ATTENTION IMMEDIATELY. EYE: IMMEDIATELY FLUSH EYES WITH PLENTY OF WATER FOR LEAST 15 MINUTES. OCCASIONALLY LIFTING UPPER AND LOWER LIDS. GET MEDICAL ATTENTION AT ONCE. INHALED: GET EXPOSED PERSON TO FRESH AIR AT ONCE. IF BREATHING HAS STOPPED, PERFORM ARTIFICIAL RESPIRATION. GET MEDICAL ATTENTION IMMEDIATELY. INGEST. IF THIS PRODUCT IS SWALLOWED, DO NOT INDUCE VOMITING. IF VICTIM IS CONSCIOUS GIVE PLENTY OF WATER TO DRINK. GET MEDICAL ATTENTION AT ONCE

===== Fire Fighting Measures =====

Flash Point Method:TCC  
Flash Point:=-41.1C, 106.F  
Extinguishing Media:PRODUCT WILL NOT SUPPORT SELF COMBUSTION. (ALCOHOL WILL FLASH)  
Fire Fighting Procedures:WEAR SELF-CONTAINED POSITIVE PRESS, BREATHING APPARATUS.  
Unusual Fire/Explosion Hazard:FIRE EXPOSED DRUMS SHOULD BE COOLED WITH STREAM OF WATER.

===== Accidental Release Measures =====

Spill Release Procedures:OBSERVE SAFETY PRECAUTIONS IN SECTIONS 4 &9 DURING CLEANUP. ABSORB SPILL ON INERT ABSORBENT MATERIAL (E.G. ZEP-O-ZORB); PICK UP AND PLACE IN A CLEAN D.O.T. SPECIFICATION CONTAINER FOR DISPOSAL. WASH AREA THOROUGHLY WITH A DETERGENT SOLUTION AND THEN RINSE WELL IN WATER.

===== Handling and Storage =====

Handling and Storage Precautions:STORE TIGHTLY CLOSED CONTAINERS IN A DRY AREA AT TEMP

S 40-120 DEGREES F. STORE AWAY FROM HIGHLY ALKALINE  
PRODUCTS AND OXIDIZING COMPOUNDS. KEEP PRODUCT AWAY FROM SKIN AND  
EYES. DO NOT BREATHE SPRAY MIST OR VAPORS. CLOTHING OR SHOES  
WHICH BECOME CONTAMINATED WITH SUBSTANCE SHOULD BE REMOVE PROMPTLY

===== Exposure Controls/Personal Protection =====

Ventilation:PROVIDE LOCAL EXHAUST/VENTILATION AS NEEDED TO KEEP  
CONCENTRATION OF VAPORS BELOW EXPOSURE LIMITS (PEL/TLV)

Protective Gloves:WEAR NEOPRENE, NITRILE, OR NATURAL RUBBER GLOVES.

Eye Protection:USE TIGHT-FITTING, SPLASH-PROOF SAFETY GOGGLES.

Other Protective Equipment:NO EXTRA MEASURES ARE NEEDED IF VENTILATION  
IS ADEQUATE.

Supplemental Safety and Health

===== Physical/Chemical Properties =====

Boiling Pt:=94.4C, 202.F

Spec Gravity:1.16

pH: