

MATERIAL SAFETY DATA SHEET

Prepared According to 29 CFR 1910, 1200

N/A (Not Applicable) N/E (Not Established)

SECTION I - PRODUCT IDENTIFICATION

PRODUCT NAME: FULL CIRCLE RUSTAWAY
CHEMICAL FAMILY: A MIXTURE OF ACIDS & SURFACTANTS
DOT SHIPPING NAME: N/A
N/A NONE
TECHNICAL NAME: NOT REGULATED

HMIS HAZARDOUS MATERIALS IDENTIFICATION SYSTEM

HEALTH _____ 2
FLAMMABILITY _____ 0
REACTIVITY _____ 1
PERSONAL PROTECTION _____ C

HAZARD RATING

4 = EXTREME
3 = HIGH
2 = MODERATE
1 = SLIGHT
0 = INSIGNIFICANT

SECTION II - HAZARDOUS INGREDIENTS IDENTITY INFORMATION

	%	TLV (UNITS)
HYDROFLUORIC ACID 7664-39-3	<5%	30 PPM

CARCINOGENS: NONE SUSPECTED.
TSCA: ALL COMPONENTS LISTED.
VOC compliant

*SARA TITLE III, SECTION 313 LISTED

SECTION III - PHYSICAL DATA

PHYSICAL DESCRIPTION: CLEAR LIQUID WITH SHARP ACID ODOR
BOILING POINT (F): >200 F
VAPOR PRESSURE: N/E
% VOLATILE: 0%
SOLUBILITY IN WATER: COMPLETE
SPECIFIC GRAVITY: 1.038
EVAPORATION RATE: N/E
pH: 5.6

SECTION VII - REACTIVITY DATA

STABILITY: UNSTABLE STABLE X
INCOMPATIBILITY (Materials to Avoid): COMBUSTIBLE MATERIALS, NITRATES, CARBIDES, METALLIC POWDERS. DO NOT ADD WATER TO ACID.
HAZARDOUS DECOMPOSITION PRODUCTS: N/E
HAZARDOUS POLYMERIZATION: NO

SECTION IV - FIRE AND EXPLOSIVE HAZARD DATA

FLASH POINT (METHOD USED): NONFLAMMABLE
UPPER EXPLOSIVE LIMIT: N/A LOWER EXPLOSIVE LIMIT: N/A
EXTINGUISHING MEDIA: Use appropriate extinguishing media for the surrounding fire.
SPECIAL FIRE FIGHTING PROCEDURES: Self-contained breathing apparatus and full protective clothing (bunker gear) should be worn when fighting fires involving chemicals.
UNUSUAL FIRE AND EXPLOSING HAZARDS: FLAMMABLE & POTENTIALLY EXPLOSIVE HYDROGEN GAS CAN BE GENERATED INSIDE METAL DRUMS & TANKS. CONCENTRATED ACID MAY CAUSE IGNITION BY CONTACT WITH COMBUSTIBLE MATERIAL.

SECTION VIII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:
Wear necessary personal protective equipment.
Evacuate all unnecessary and untrained personnel.
Dike area to prevent spreading of materials. Cover drains.
Cover spill with an inert material (clay, sand) and collect into appropriate containers.
Dispose of in accordance with federal, state and local regulations.
EMPTY CONTAINERS DISPOSAL:
Any disposal practices must be in compliance with federal, state and local laws. Any questions regarding disposal should be directed to the proper government agency.

SECTION VI - FIRST AID & HEALTH HAZARD DATA

FIRST AID
EYES: Immediately flush eyes with large amounts of water for at least 15 minutes while holding eyelids apart. Washing eyes within one minute is essential. Seek immediate medical attention.
SKIN: Wash with plenty of water for 15 minutes. Remove contaminated clothing. Seek medical attention if irritation persists.
INGESTION: Give large quantities of water. DO NOT induce vomiting. If vomiting occurs spontaneously, keep head lower than lungs to prevent aspiration of chemical into lungs. Never give anything by mouth to an unconscious person. Seek immediate medical attention.
INHALATION: Remove victim to fresh air. If person is having difficulty in breathing, perform artificial respiration and get immediate medical attention.
EFFECTS OF OVEREXPOSURE (Primary Route of Entry)
N/E
EYES: MILD TO SEVERE BURNS, POSSIBLE PERMANENT DAMAGE.
SKIN: MILD TO SEVERE BURNS, POSSIBLE PERMANENT DAMAGE.
INGESTION: HARMFUL OR FATAL.
INHALATION: MIST MAY CAUSE IRRITATION OR BURNS.

SECTION IX - SPECIAL PROTECTIVE EQUIPMENT

RESPIRATORY PROTECTION SELF-CONTAINED BREATHING APPARATUS
PROTECTIVE GLOVES..... NEOPRENE GLOVES
EYE PROTECTION..... SAFETY GOGGLES, FACE SHIELD.
VENTILATION LOCAL EXHAUST FOR MISTS
OTHER PROTECTIVE EQUIPMENT.. Eyewash and emergency shower should be located in the working area.

SECTION V - STORAGE AND HANDLING

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:
Use sound industrial hygiene practices. Keep container closed when not in use. Wash after handling. Do not eat, drink or smoke around this or any other chemicals. Read labels and material safety data sheets before using. Store container in a dry, cool area.

Contact Information:

FULL CIRCLE CHEMICAL SUPPLY
P.O. BOX 28726
KANSAS CITY, MO

816.985.2825

64188

Emergency Phone: 800-535-5053 INFOTRAC