

MATERIAL SAFETY DATA SHEET



MANUFACTURER NAME:

BLUE WAVE ULTRASONICS
960 SOUTH ROLFF STREET, DAVENPORT, IOWA 52802

PRODUCT NAME:

DIRL RINSE

CHEMICAL NAME:

ACTIVATED SONIC CLEANER CONCENTRATE

CHEMICAL FAMILY: LIQUID CLEANER

DATE MSDS WAS PREPARED: April 14, 2004

MSDS PREPARED BY: MDJ/CTB

PHONE NUMBER(FOR INFORMATION):

1-800-373-0144

EMERGENCY PHONE NUMBER:

1-800-424-9300 (Chemtrec)

SECTION I: MATERIAL IDENTIFICATION AND INFORMATION

The composition of this mixture may be proprietary information. In the event of a medical emergency, compositional information will be provided to a physician or nurse. The following is a list of hazardous materials, as defined in CFR title 29 part 1910.1200, contained within this mixture.

| COMPONENTS - Chemical Name or Common Name | CAS NUMBER | APPROXIMATE % (Weight) | AIR CONTAMINATE LEVELS | | |
|--|---------------|---------------------------|------------------------|------------|---------------|
| | | | TLV (ppm) | STEL (ppm) | CEILING (ppm) |
| Hazardous Components 1% or greater, Carcinogens 0.1% or greater | | | | | |

NONE

SECTION II: PHYSICAL PROPERTIES / CHEMICAL CHARACTERISTICS

| | | | |
|------------------------|--------|----------------------------|--------------|
| BOILING POINT / RANGE | 212 °F | pH: (1% SOLUTION) | 6.5 - 7.0 |
| FREEZING POINT | 32 °F | SPECIFIC GRAVITY (Water=1) | 1.02 Kg/l |
| VAPOR PRESSURE (MM Hg) | N/D | SOLUBILITY IN WATER | 100% |
| VAPOR DENSITY (AIR=1) | N/D | APPEARANCE: | CLEAR LIQUID |
| EVAPORATION RATE | 1.000 | ODOR | SURFACTANT |
| (N-Butyl Acetate =1) | | | |

SECTION III: FIRE AND EXPLOSION HAZARD DATA

| FLASH POINT (Method) | AUTO-IGNITION TEMP | FLAMMABLE LIMITS | UPPER: | LOWER: |
|----------------------|--------------------|-------------------|--------|--------|
| N/D | N/D | (% VOLUME IN AIR) | N/D | N/D |

RECOMMENDED EXTINGUISHING MEDIA: CO2, Dry Chemical, or Foam Extinguisher or Water Fog.

FIRE FIGHTING PROCEDURES: Use water to cool containers exposed to fire.

UNUSUAL FIRE & EXPLOSION HAZARDS: NONE

SECTION IV. HEALTH HAZARDS**POTENTIAL EFFECTS OF EXPOSURE**

EYE CONTACT: Direct contact may cause moderate irritation.
SKIN CONTACT: May cause mild skin irritation.
INHALATION: NONE
INGESTION: NONE

SECTION V. FIRST AID MEASURES

EYE CONTACT: Flush eye with copious amounts of water immediately. If irritation persists seek medical attention.
SKIN CONTACT: Wash with water to remove concentrate or dilution. If irritation persists seek medical attention.
INGESTION: Do not induce vomiting. Drink large quantities of water.
INHALATION: Remove to fresh air.

SECTION VI. EXPOSURE CONTROLS AND PERSONAL PROTECTION

EYE PROTECTION: None Necessary.
SKIN PROTECTION: None Necessary.
VENTILATION: None Necessary.

SECTION VII. REACTIVITY DATA

STABILITY: Stable
INCOMPATIBILITY: VERY STRONG ACIDS
HAZARDOUS DECOMPOSITION PRODUCTS: Carbon Dioxide, Carbon Monoxide and traces of incompletely burned carbon products.
HAZARDOUS POLYMERIZATION: Will not occur.

SECTION VIII. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Disposal should be made in accordance with federal, state, and local regulations.

SECTION IX. SHIPPING INFORMATION

DOT DESCRIPTION: COMPOUNDS, CLEANING LIQUID
DOT HAZARDOUS MATERIAL LABELS: NONE

SECTION X. STORAGE INFORMATION

STORAGE: Store in a cool dry place, out of direct sunlight.
HMIS/NFPA

| | | | | |
|-------------|-------------|-----------------|--------------|-----------------------|
| HMIS | Health - 1, | Flammability-0, | Reactivity-0 | Personal Protection-A |
| NFPA | Health - 1, | Flammability-0 | Reactivity-0 | Special- |

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