MSDS

Material Safety Data Sheet



1403 Herkimer Street Joliet, IL 60432-1059 (877) EKI-CHEM (815) 723-4000 www.eki-chem.com

24 HOUR EMERGENCY TELEPHONE NUMBER CALL CHEMTREC 1-800-424-9300

Decalcification Solution, Formic Acid/Citrate

SECTION 1 PRODUCT IDENTIFICATION

NAME: Decalcification Solution, Formic Acid/Citrate

EKI PRODUCT CODE: 3622

SYNONYMS: N/I

CAS NO: Does not apply. FORMULA: Does not apply. REVISION DATE: 4 April 2007

****LABEL HAZARD STATEMENT AND PRECAUTIONS****

WARNING. CAUSES SEVERE IRRITATION. HARMFUL IF SWALLOWED. Avoid contact with skin, eyes and clothing. Avoid breathing vapor or mist. Keep container closed. Use only with adequate ventilation. Wash thoroughly after handling.

SECTION 2 HAZARDOUS INGREDIENTS / EXPOSURE LIMITS

Formic Acid, ~25% is subject to the reporting requirements of SARA 313 and 40CFR372.

SECTION 3 PHYSICAL PROPERTIES

SOLUBILITY IN WATER: Miscible

VAPOR PRESSURE (mm Hg): N/E

SPECIFIC GRAVITY: N/E

EVAPORATION RATE: N/E

BOILING POINT (C): N/E

WAPOR DENSITY: N/E

MELTING POINT (C): N/E

APPEARANCE AND ODOR: Clear colorless liquid. Characteristic odor.

SECTION 4 FIRE / EXPLOSION HAZARD DATA

FLASH POINT (C): N/E
AUTOIGNITION TEMPERATURE (C): N/E
FLAMMABLE LIMITS (%): N/E

EXTINGUISHING MEDIA: Suitable for surrounding fire.

SPECIAL FIRE FIGHTING PROCEDURES: Firefighters should wear self-contained breathing apparatus with full facepiece operated in pressure-demand or other positive-pressure mode.

UNUSUAL FIRE AND EXPLOSION HAZARDS: N/I

E K Industries, Inc. Revised: 4 April 2007

SECTION 5 REACTIVITY DATA

STABILITY: Stable

CONDITIONS TO AVOID: Excessive heat.

MATERIALS TO AVOID: Strong oxidizers, bases.

HAZARDOUS DECOMPOSITION PRODUCTS: CO_x HAZARDOUS POLYMERIZATION: Does not occur.

SECTION 6 HEALTH HAZARD DATA

ROUTES OF ENTRY AND EFFECTS OF OVEREXPOSURE:

INHALATION: Causes respiratory tract irritation.

SKIN CONTACT: Causes irritation. EYE CONTACT: Causes irritation.

SKIN ABSORPTION: N/I

INGESTION: Causes G.I. irritation and gastric disturbances. CHRONIC: May cause skin irritation, kidney and liver damage.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: Rarely causes sensitization in

formaldehyde sensitized individuals.

CARCINOGENICITY: None

****FIRST AID PROCEDURES****

EYE CONTACT: Immediately flush with plenty of water for at least 15 minutes, separating eyelids occasionally. Get immediate medical attention.

SKIN CONTACT: Immediately flush with plenty of water for at least 15 minutes, while removing contaminated garments. Get medical attention for persistent irritation.

INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get immediate medical attention.

INGESTION: DO NOT INDUCE VOMITING. If conscious, give several glasses of water to drink. Get immediate medical attention.

SECTION 7 PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IN CASE MATERIAL IS SPILLED OR RELEASED: Ventilate area. Absorb with inert material and containerize for disposal.

WASTE DISPOSAL METHOD: Dispose in accordance with all applicable federal, state, and local environmental regulations.

STORAGE: Store tightly closed at 15-30C.

SECTION 8 CONTROL MEASURES

VENTILATION: Local preferred.

RESPIRATORY PROTECTION: If required, approved Acid Gas respirator.

EYE PROTECTION: Chemical splash safety goggles and/or full face shield.

SKIN PROTECTION: Gloves, lab coat and impervious apron.

E K INDUSTRIES, INC. MAKES NO REPRESENTATION AS TO THE COMPREHENSIVENESS OR ACCURACY OF THIS INFORMATION. INDIVIDUALS RECEIVING THIS INFORMATION MUST EXERCISE THEIR INDEPENDENT JUDGMENT IN DETERMINING ITS APPROPRIATENESS FOR A PARTICULAR PURPOSE. ACCORDINGLY, E K INDUSTRIES, INC. WILL NOT BE RESPONSIBLE FOR DAMAGES OF ANY KIND OR NATURE RESULTING FROM THE USE OF ANY SUCH INFORMATION. NO REPRESENTATIONS OR WARRANTIES OF ANY KIND OR NATURE, INCLUDING BUT NOT LIMITED TO, EXPRESS WARRANTIES, IMPLIED WARRANTIES OF MERCHANTABILITY, OR WARRANTIES OF FITNESS FOR A PARTICULAR PURPOSE, ARE MADE HEREUNDER WITH RESPECT TO THE INFORMATION SET FORTH HEREIN OR TO THE PRODUCT TO WHICH THE INFORMATION REFERS.

E K Industries, Inc. Revised: 4 April 2007