

----- MATERIAL SAFETY DATA SHEET -----

Krystal

1451 REGULAR DEODORIZING URINAL SCREEN - RED/CHERRY
(FRAGRANCE ONLY)

MANUFACTURED FOR KRYSTAL RESTROOM
BY IMPACT PRODUCTS, LLC

MSDS DATE: 07/18/01

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: 1451 Regular Deodorizing Urinal Screen -
Red/Cherry (Fragrance Only)
SYNONYMS:
PRODUCT CODES:
MANUFACTURER: Impact Products, LLC
DIVISION:
ADDRESS: 2840 Centennial Road, Toledo, OH 43617
EMERGENCY PHONE: 800-535-5053
CHEMTREC PHONE:
CHEMICAL NAME:
CHEMICAL FAMILY:
CHEMICAL FORMULA:

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT:	CAS NO.	TLV/TWA	PEL
Acetophenone	98-86-2	n/a	n/a
Ethyl Methyl Phenyl Glycidate	77-83-8	n/a	n/a
Amyl Acetate	628-63-7	100 ppm TWA	100 ppm TWA
Benzaldehyde	100-52-7	n/a	n/a
Benzyl Acetate	140-11-4	15 ppm TWA	n/a
Coumarin	91-64-5	n/a	n/a
Ethyl Acetate	141-78-6	400 ppm TWA	400 ppm TWA
Petroleum Distillates	64742-96-7	n/a	500 ppm TWA

(The specific components of this product constitute a trade secret. Listed are components reported in tests with laboratory animals to have hazardous properties other than combustibility or flammability or eye and skin irritation from excessive contact. Both of these hazards are addressed elsewhere on this data sheet. The relevancy of animal test data on these components to the mixture as a whole or to humans has not been established. Note that these possible effects in test animals were reported for continual overexposure to components of this mixture. Many of the substances having such effects are natural components of common foods and are not known to be harmful in normal use).

HEALTH HAZARD DATA:

Acetophenone:
Continual Overexposure: irritant vapor, possible narcotic effects

Ethyl Methyl Phenyl Glycidate:
If swallowed: possible nerve damage, possible testicular atrophy

Amyl Acetate:
Continual Overexposure: irritant vapor, possible narcotic or anesthetic effects

Benzaldehyde:
If Swallowed: possible kidney damage;
Continual Overexposure: irritant vapor, possible anesthetic effects

Benzyl Acetate:
Continual Overexposure: irritant vapor possible anesthetic effects

Coumarin:
If Swallowed: toxic, possible liver damage, possible reproductive effects

Ethyl Acetate:
Continual Overexposure: irritant vapor

Petroleum Distillates:
Continual Overexposure: irritant vapor

SECTION 3: HAZARDS IDENTIFICATION

ROUTES OF ENTRY: Eye, skin contact, inhalation
SIGNS/SYMPTOMS OF OVEREXPOSURE:
EYES: Can cause severe irritation, tearing and redness, blurred vision
SKIN: Prolonged or repeated contact can cause irritation, defatting or dryness of skin, dermatitis
INGESTION: Can cause serious health effects including nausea, vomiting, gastrointestinal irritation
INHALATION: Excessive inhalation of vapors can cause irritation of the respiratory tract, nausea, dizziness, or headache
ACUTE/CHRONIC HEALTH HAZARDS:
MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: None known
CARCINOGENICITY
OSHA: No
ACGIH:
NTP: No
IARC: No
CSCA STATUS: All ingredients of this product are on the ISCA inventory

SECTION 4: FIRST AID MEASURES

EYES: Flush with water for at least 15 minutes, get medical attention if necessary
SKIN: Wash thoroughly with soap and water. Remove contaminated clothing
INGESTION: Give water to dilute, get medical attention
INHALATION: If affected by vapors, get to fresh air. If breathing is difficult, see physician. Aspiration of substantial amounts of irritant liquids into the lungs can be fatal - get immediate medical attention

SECTION 5: FIRE-FIGHTING MEASURES

FLAMMABLE LIMITS: n/e
FLASH POINT: 68.0
METHOD USED: TCC
HAZARD CLASSIFICATION:
HEALTH: 2
FLAMMABILITY: 4
REACTIVITY: 0
EXTINGUISHING MEDIA: Carbon dioxide, foam, dry chemical
SPECIAL FIRE FIGHTING PROCEDURES: Class B fire procedures.
Wear NIOSH approved respirator and full protective gear
UNUSUAL FIRE AND EXPLOSION HAZARDS: None known
HAZARDOUS DECOMPOSITION PRODUCTS:

SECTION 6: ACCIDENTAL RELEASE MEASURES

ACCIDENTAL RELEASE MEASURES:

SECTION 7: HANDLING AND STORAGE

HANDLING AND STORAGE: Handle as flammable or combustible liquid as appropriate. Avoid eye contact and prolonged contact with the skin. Use adequate ventilation. Wash thoroughly after handling.
OTHER PRECAUTIONS:

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

VENTILATION: Local exhaust is recommended, general mechanical ventilation is usually adequate
RESPIRATORY PROTECTION: None normally required with adequate ventilation

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EYE PROTECTION: Safety glasses or goggles should be worn in all industrial operations
SKIN PROTECTION: Gloves, coveralls, aprons, boots as necessary to prevent skin contact
OTHER PROTECTIVE CLOTHING/EQUIPMENT:
WORK HYGIENIC PRACTICES:

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE/ODOR: Pale, yellow liquid with cherry characteristic
BOILING POINT: n/e
MELTING POINT: n/e
VAPOR PRESSURE (mmHg): n/e
VAPOR DENSITY (AIR = 1): Heavier than air
SPECIAL GRAVITY (H2O = 1): 0.944
EVAPORATION RATE: Slower than n-Butyl Acetate
SOLUBILITY IN WATER: Insoluble
PERCENT VOLATILE: n/e
VISCOSITY:

SECTION 10: STABILITY AND REACTIVITY

STABILITY:
STABLE X
UNSTABLE
CONDITIONS TO AVOID (STABILITY):
INCOMPATIBILITY (MATERIAL TO AVOID): Strong oxidizing agents
HAZARDOUS DECOMPOSITION: Carbon dioxide or carbon monoxide and smoke on combustion
HAZARDOUS POLYMERIZATION: Will not occur
CONDITIONS TO AVOID (POLYMERIZATION):

SECTION 11: TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION: This product contains the following toxic chemicals subject to the reporting requirements of Section 313 of the Emergency Planning and Right To Know Act of 1986 and 40 CFR 372.
This information must be included in all MSDSs that are copied and distributed for this material.
Acetophenone
CAS No: 98-86-2
% by Wt: 1.900

SECTION 12: ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION:

SECTION 13: DISPOSAL CONSIDERATIONS/PROCEDURES FOR SPILL OR LEAK CLEANUP

WASTE DISPOSAL METHOD: Soak up with absorbent material for incineration. Observe local, state, and federal regulations
PROCEDURE FOR SPILL OR LEAK CLEANUP: Remove ignition sources. Contain spill. Absorb with suitable chemical absorbents for disposal

SECTION 14: TRANSPORT INFORMATION

SECTION 15: REGULATORY INFORMATION

SECTION 16: OTHER INFORMATION

OTHER INFORMATION:

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COMPAS Code: 49300060