

US EPA ARCHIVE DOCUMENT

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|---------|--------|-----------------------------|--------------------|----|
| EPA # | Date | Product Name | Use Classification | TC |
| 7453-UR | 4/2/78 | DAZZLE DISINFECTANT CLEANER | | CA |

RECOMMENDATION: register other (explain)

In the formulated product the irritation of cornea, iris, and conjunctiva is reversible before the fifth day observation period. However, the eye irritation on the 1:10 diluted product, the corneal opacity is still present on the 13th + 14th day observation period. Please submit a sample of your product to us for testing.

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|------------------|-----------|------|-------------|--------------|
| Acute Oral (Rat) | LD50 g/kg | TECH | FORMULATION | USE DILUTION |
| | | | 7.3 g/kg | |

Toxic signs: Not given. C.L. (5.98-8.91) g/kg.

Comments: Gross findings included pneumonitis with hemorrhages and petechiae throughout the alimentary tract. Survivors show no gross pathology.

Classification: Core Minimum Std.

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|-----------------------|-----------|--|----------|--|
| Acute Dermal (Rabbit) | LD50 g/kg | | 4.7 g/kg | |
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Toxic signs: C.L. (3.48-5.55) g/kg.

Comments: The clearing of the skin with intense hyperemia edema and eschar. These symptoms were slightly relieved in the surviving rats at the end of the observation period.

Gross findings: pneumonitis with fluid in the thorax periton and cloudy liver and kidneys. Classification: Core Minimum Std.

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| Acute Inhalation () | LC50 | | | |
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Toxic signs:

Comments: Not required.

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| Primary Eye Irritation (Rabbit) Draize score: | Irritant | |
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Comments: On day one produced irritation of the cornea (grade 2), iritis (grade 1), conjunctivae (grades 3+4). This reaction was negative at day two, cornea negative at day 4 and conjunctivae negative at day five.

Classification: Core Minimum Std.

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| Primary Skin Irritation (Rabbit) Draize score: | No irritation | |
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Comments: Edema and erythema were negative.

Primary skin irritation index = 0

Classification: Core Minimum Std.

Other Studies: 6 rabbits:

Twenty Day Subacute Dermal: Mild hyperemia and in some rabbits a mild edema developed during treatment. Minimal chronic inflammation was observed in the dermis two rabbits and one rabbit had a chronic cystitis, chronic pyelonephritis.

All other findings were essentially of no significance.

Classification: Core Minimum Std.

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|------|------|--|--------------------|-------------|
| 3-UR | Date | Product Name DAZZLE DISINFECTANT CLEANER | Use Classification | TOX CAT. |
|------|------|--|--------------------|-------------|

RECOMMENDATION: register other (explain)

| | | TECH. | FORMULATION | USE DILUTION |
|------------------|------|-------|-------------|--------------|
| Acute Oral (Rat) | LD50 | | | |

Toxic signs:
Comments:

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|-----------------------|-------|--|--|--|
| Acute Dermal (Rabbit) | LD50. | | | |
|-----------------------|-------|--|--|--|

Toxic signs:
Comments:

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| Acute Inhalation () | LC50 | | | |
|----------------------|------|--|--|--|

Toxic signs:
Comments:

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| Primary Eye Irritation (Rabbit) Draize score: | |
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Comments: (Diluted 1:64) - Slight irritation of conjunctiva and cornea. Corneal opacity reversible in 3 rabbits at 14 days observation period and reversible in 13 days in the other 3 rabbits.
Classification: Corneal Minimum Std.

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| Primary Skin Irritation (Rabbit) Draize score: | |
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Comments:

Other Studies: The teratology of Bardac 22 has been reviewed and found to fulfill the teratology data requirements for this chemical. However, a teratogenic study on Tetrasodium Ethylene Diamine Tetracetate is lacking. Please submit this study to demonstrate the safety of TEDTA to teratogenicity.
J. E. W. # 4/2/78