# U.S. ENVIRONMENTAL PROTECTION AGENCY
## OFFICE OF PESTICIDES/HED/SACB
## TOX ONELINERS



TOXCHEM NO. 194AA- 2-Chloro-N-[[(4-methoxy-6-methoxy-1,3,5-triazin-yl)amino]carbonyl]benzene-sulfonamide FILE LAST PRINTED: 10/31/90

| CITATION | MATERIAL | ACCESSION/ MRID NO. | RESULTS | TOX CAT | COREGRADE/ DOCUMENT# |
|---|---|---|---|---|---|
| Teratology<br>Species: rat<br>Haskell Lab<br>583-78; 10/11/78 | DPX-4189 Tech. | 099460 | Teratogenic NOEL > 2500 ppm (HDT). Maternal NOEL > 2500 ppm Fetotoxic NOEL > 2500 ppm. Doses: 0, 100, 500 & 2500 ppm | | Minimum (12/23/81)<br>002648<br>Supplementary<br>000134 |
| Teratology<br>Species: rabbit<br>Haskell Lab<br>127000; 7/17/80 | DPX-4189 Tech. | 099460 | Teratogenic NOEL > 75 mg/kg. Fetotoxic NOEL = 25 mg/kg. Fetotoxic LEL = 75 mg/kg (Incr. incid. of resorption) (Doses: 0, 10, 25, 75 mg/kg) | | Minimum<br>001818<br>002649 |
| Reproduction-3 generation<br>Species: rat<br>Haskell Lab | DPX-4189 Tech. | 099460 | Reproductive NOEL = 500 ppm. Reprod. LEL = 2500 ppm (decr. fertility indices). Maternal NOEL = 500 ppm; Mat LEL = 2500 ppm (decr. mean body wt Animals on test diet for 103 days before start of reproduction study. Levels tested = 0, 100, 500, 2500 ppm. Study is combined w 2 yr. feeding. | | Guideline<br>001818<br>002653 |
| Feeding/oncogenic-2 year<br>Species: mice<br>Haskell Lab<br>836-81; 2/3/81 | DPX 4189 Tech. | 099460 | Oncogenic NOEL > 5000 ppm (HDT). Sys NOEL = 500 ppm. Sys LEL = 5000 ppm (decr. BW and food consumption). Doses: 0, 100, 500 & 5000 ppm. | | Guideline<br>002652 |
| Feeding/oncogenic-2 year<br>Species: rat<br>Haskell Lab<br>557-81; 11/27/79 | DPX 4189 tech. | 099460 | Oncogenic NOEL > 2500 ppm (HDT). Sys NOEL = 100 ppm; Sys LEL = 500 ppm (decr BW). Doses: 0, 100, 500 & 2500 ppm. (Study combined w 3-gen reprod. | | Guideline<br>001818<br>002653 |
| Feeding-14 day<br>Species: rat<br>Haskell Lab<br>97-77; 2/12/77 | DPX-4189 Tech. | 099460 | 2200 mg/kg/10 doses/2 weeks produced 20% mortality only. (ODT). | | Minimum<br>000134 |
| Feeding-3 month<br>Species: rat<br>Haskell Lab<br>80-80 | DPX-4189 Tech. | 099460 | Sys NOEL = 100 ppm (LDT). Sys LEL = 500 ppm (slight decr in plasma creatinine, slight increased hematocrit). Doses: 0, 100, 500 & 2500 ppm. | | Guideline<br>000134<br>Minimum<br>002650 |
| Feeding-3 month<br>Species: mice<br>Haskell Lab<br>69-80; 7/19/78 | DPX-4189 | 099460 | Range finding Study: Sys NOEL = 2,500 ppm. Sys LEL = 5000 ppm (decr erythrocyte count, incr. corpuscular volume, incr. mean corpuscular hemoglobin & decr. relative liver wt. in (F). Doses: 0, 500, 2500, 5000 & 7500 ppm. | | Supplementary<br>002636 |

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|---|---|---|---|---|---|
| Feeding- 6 months<br>Species: dog<br>Haskell Lab<br>108-80; 7/24/79 | OPX-4189 Tech. | 099460 | Sys NOEL > 2500 ppm (HOT). Doses: 0, 100, 500 & 2500 ppm | | Minimum<br>000134<br>002646 |
| Feeding-10 day<br>Species: rat<br>Haskell Lab<br>97-77 | OPX-4189 Tech. | | Sys NOEL > 2200 mg/kg (single dose tested). | | Supplementary<br>002651 |
| Metabolism<br>Species: rat<br>Haskell Lab<br>AMR-08-80 | OPX-4189 Tech. | 099460 | 95% of C14-dose was eliminated in urine & 4% in feces; 1% was retained in tissues. Major components in urine were intact OPX-4189 (86%), 2-chlor-benzene sulfonamide (5%) & minor metabolites (4%). Biological half-life is less than six hours. | | 000134 |
| Mutagenic<br>Species: Salmonella typh.<br>Haskell Lab<br>121-77; 3/4/77 | OPX-4189 Tech. | 099460 | Negative in strains TA-1535, TA-100, TA1537, TA-1538 & TA-98 | | Acceptable<br>001818<br>002654 |
| Mutagenic-DNA repair test<br>Species: rat hepatocyte<br>Naylor Dana Inst.<br>11/15/81 | OPX-4189 Tech | | Not a mutagen | | Acceptable<br>002654<br>Unacceptable<br>001818 |
| Mutagenic<br>Species: CHO cells<br>Haskell Lab<br>475-80 | OPX-4189 Tech. | 070471 | Not a mutagen in this system. | | Acceptable<br>001818 |
| Mutagenic-chromosome aberr.<br>Species: CHO cells | OPX-4189 Tech. | | Not mutagenic in this system | | Aceptable<br>001818 |
| Mutagenic-in vitr. chrom aberr<br>Species: rat<br>Haskell Lab<br>12700; 9/23/80 | Chlorsulfuron Tech. | | Not a mutagen up to 5000 ppm. | | Acceptable<br>002633 |

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| Mutagenic- in vitro cytogen.<br>Species: CHO cells<br>Litton Bionetics Inc.<br>20990; 4/81 | OPX-4189 tech. | | Not a mutagen | | Acceptable<br>002654 |
| Acute oral LD50<br>Species: rat<br>Haskell Lab<br>399-79; 1/31/79 | OPX-4189 Tech. | 099460 | LD50 = 5545 mg/kg (M). LD50 = 6293 mg/kg (F) | 4 | Guideline<br>000134<br>002639 |
| Acute oral LD50<br>Species: guinea pig<br>Haskell Lab<br>308-80; 4/7/80 | OPX-4189 Tech. | 099460 | LD50 = 1363 mg/kg | 3 | Minimum<br>000134<br>Supplementary<br>002644 |
| Acute oral LD50<br>Species: rat<br>Haskell Lab<br>74-81; 1/29/81 | 2-Chloro-N-[(4-methoxy-6-methyl-1,3,5-triazin-2-yl) aminocarbonyl]benzene-sulfonamide 75% | 245879 | LD50 (M) = 3.053 gm/kg with 95% Confid. Lim. between 1123 & 3342 mg/kg<br>LD50 (F) = 2341 mg/kg with 95% C.L. between 1969 & 2623 mg/kg | 3 | Guideline<br>002061<br>002634 |
| Acute oral LD50<br>Species: rat<br>Haskell Lab<br>300-80; 1/31/79 | OPX-4189 formul. 80% WP | 099460 | 6806 mg/kg < LD50 < 9198 mg/kg (F). 6996 < LD50 < 8891 mg/kg (M). | 4 | Guideline<br>000134 |
| Acute oral LD50<br>Species: rat<br>Haskell Lab<br>115-85; 2/25/85 | OPX 4189 62.5%; OPX T6376 12.5% | 258174 | LD50 (M) = 5600 mg/kg (4600-6200). LD50 (F) = 6200 (5700-660) mg/kg | 4 | Guideline<br>006289 |
| Acute Dermal LD50<br>Species: rabbit<br>Haskell Lab<br>415-79; 8/17/79 | OPX-4189 Tech. | 099460 | LD50 > 3400 mg/kg | 3 | Minimum<br>000134<br>002647 |
| Acute Dermal LD50<br>Species: rabbit<br>Haskell Lab<br>505-80; 6/5/80 | 2-Chloro-N-[(4-methoxy-6-methyl-1-3,5-triazin-2-yl) aminocarbonyl]benzene-sulfonamide 75% | 245879 | LD50 > 2000 mg/kg | 3 | Guideline<br>0D2D6l<br>002638 |

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| Acute Dermal LD50<br>Species: rabbit<br>Haskell Lab<br>211-80; 3/4/80 | DPX-4189 formul. 80% WP | 099460 | LD50 > 2000 mg/kg | 3 | Minimum<br>000134 |
| Acute Dermal LD50<br>Species: rabbit<br>Hazleton<br>201-805; 1/85 | DPX 4189 62.5%; DPX T6376 12.5% | 258174 | LD50 > 2000 mg/kg | 3 | Guideline<br>006289 |
| Acute inhalation LC50<br>Species: rat<br>Haskell Lab<br>129-80; 10/18/79 | DPX-4189 | 099460 | LC50 > 5.9 mg/L/4 hrs (analytical conc.) | 3 | Minimum<br>000134<br>002641 |
| Primary eye irritation<br>Species: rabbit<br>Haskell Lab<br>130-80; 2/11/80 | DPX-4189 formul. 80% WP | 099460 | Slight corneal clouding & mild irritation. | 3 | Minimum<br>000134 |
| Primary eye irritation<br>Species: rabbit<br>Haskell Lab<br>744-76 | DPX-4189 Tech. | 099460 | Mild irritation-normal in 4 hrs. | | Supplementary<br>000134<br>002642 |
| Primary eye irritation<br>Species: rabbit<br>Haskell Lab<br>1034-80; 11/21/80 | 2-Chloro-N-[(4-methoxy-6-methyl-1,3,5-triazin-2-yl) aminocarbonyl]benzene-sulfonamide 75% | 245879 | At day 1, 5/6 animals in the unwashed group & 1/3 animals in the washed group had corneal opacity. (1/6 = 10, 2/6 = 15, 2/6 = 20, 1/3=5). Conjunctive irritation present. Corneal opacity & all irritation cleared by day 4 except redness in 1/3 animals which persisted thru day 8. | 3 | Guideline<br>002061<br>002637 |
| Primary eye irritation<br>Species: rabbit<br>Hazleton<br>201-806; 1/8/85 | DPX 4189 62.5%; DPX T6376 12.5% | 258174 | Corneal opacity and other irritation had cleared at 72 hrs. | 3 | Guideline<br>006289 |
| Primary dermal irritation<br>Species: rabbit<br>Haskell Lab<br>264-80; 2/12/80 | DPX-4189 formul. 80% WP | 099460 | PIS = 0 to 2.63; not a primary irritant. | 4 | Minimum<br>000134 |

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| Primary dermal irrit & sensit.<br>Species: guinea pig<br>Haskell Lab<br>794-76 | OPX-4189 Tech. | 099460 | No irritation or sensitization noted. | 4 | Supplementary<br>000134<br>Guideline<br>001202<br>Minimum<br>002643 |
| Primary dermal irritation<br>Species: rabbit<br>Haskell Lab<br>555-80; 4/22/80 | 2-Chloro-N-[(4-methoxy-6-methyl-1,3,5-triazin-2-yl) aminocarbonyl]benzene-sulfonamide 75% | 245879 | Slight erythema at 24 & 72 hrs. No edema present. PIS = 0.125 - 1.75 | 4 | Guideline<br>002061<br>002635 |
| Primary dermal irritation<br>Species: rabbit<br>Hazleton<br>21-806; 1/8/85 | DPX 4189 62.5%; DPX T6376 12.5% | 258174 | Slight to severe erythema at 30 to 60 minutes post-treatment. At 24 hrs slight to well defined irritation, had cleared by 72 hrs. | 3 | Guideline<br>006289 |
| Dermal sensitization<br>Species: guinea pig<br>Haskell Lab<br>1073-80; 12/5/80 | OPX-4189 75% | | Not a sensitizing agent. | | Minimum<br>002640 |
| Dermal sensitization<br>Species: guinea pig<br>Hazleton<br>201-808; 3/12/85 | OPX 4189 62.5%; DPX T6376 12.5% | 258174 | Nonsensitizing. | | Guideline<br>006289 |
| Acute intraperitoneal LD50<br>Species: rat<br>Haskell Lab<br>103-79; 8/17/79 | DPX-4189 Tech. | 099460 | LD50 = 1450 mg/kg (M). | | Supplementary<br>000134<br>002645 |