

US EPA ARCHIVE DOCUMENT

Table SP3. Results by Sub-Populations - Semi-Solids

| Semi-Solids - 2000m | | Protection Group 1 | | | | | | | | | |
|---------------------|-----------|---------------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------|--|
| | | 10-6 | | 99% Pop | | 95% Prob | | HH (0.1) | | Eco (1) | |
| | | Beef/Dairy Farmer | | Gardener | | Fisher | | Resident | | | |
| Chemical Name | CASRN | Risk | HQ | Risk | HQ | Risk | HQ | Risk | HQ | | |
| Acrylonitrile | 107-13-1 | = 9E-06,(ing) | = 6E-01,(ing) | = 8E-07,(ing) | < 1E-01,(inh) | < 1E-06,(ing) | < 1E-01,(inh) | = 8E-07,(ing) | < 1E-01,(inh) | | |
| Benzene | 71-43-2 | = 8E-06,(cmb) | note 3 | = 5E-06,(cmb) | note 3 | = 3E-06,(cmb) | note 3 | = 6E-07,(cmb) | note 3 | | |
| Pentachlorophenol | 87-86-5 | Invalid curve,(ing) | = 3E-01,(ing) | < 1E-06,(ing) | < 1E-01,(inh) | < 1E-06,(ing) | < 1E-01,(inh) | < 1E-06,(ing) | < 1E-01,(inh) | | |
| Mercury | 7439-97-6 | note 2 | < 1E-01,(inh) | note 2 | < 1E-01,(inh) | note 2 | < 1E-01,(inh) | note 2 | < 1E-01,(inh) | | |
| Lead | 7439-92-1 | note 1 | note 1 | note 1 | note 1 | note 1 | note 1 | note 1 | note 1 | | |

| | | Protection Group 2 | | | | | | | | | |
|-------------------|-----------|---------------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------|--|
| | | 10-6 | | 99% Pop | | 90% Prob | | HH (1) | | Eco (1) | |
| | | Beef/Dairy Farmer | | Gardener | | Fisher | | Resident | | | |
| Chemical Name | CASRN | Risk | HQ | Risk | HQ | Risk | HQ | Risk | HQ | | |
| Acrylonitrile | 107-13-1 | = 9E-06,(ing) | = 3E-01,(ing) | = 7E-07,(ing) | < 1E-01,(inh) | < 1E-06,(ing) | < 1E-01,(inh) | = 7E-07,(ing) | < 1E-01,(inh) | | |
| Benzene | 71-43-2 | = 6E-06,(cmb) | note 3 | = 2E-06,(cmb) | note 3 | < 5E-06,(cmb) | note 3 | < 5E-07,(cmb) | note 3 | | |
| Pentachlorophenol | 87-86-5 | Invalid curve,(ing) | = 5E-01,(ing) | < 1E-06,(ing) | < 1E-01,(inh) | = 2E-06,(ing) | < 1E-01,(inh) | < 1E-06,(ing) | < 1E-01,(inh) | | |
| Mercury | 7439-97-6 | note 2 | < 1E-01,(inh) | note 2 | < 1E-01,(inh) | note 2 | < 1E-01,(inh) | note 2 | < 1E-01,(inh) | | |
| Lead | 7439-92-1 | note 1 | note 1 | note 1 | note 1 | note 1 | note 1 | note 1 | note 1 | | |

| Semi-Solids - 2000m - by Sub-Populations | | Protection Group 3 | | | | | | | | | |
|--|-----------|---------------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------|--|
| | | 10-5 | | 99% Pop | | 90% Prob | | HH (1) | | Eco (1) | |
| | | Beef/Dairy Farmer | | Gardener | | Fisher | | Resident | | | |
| Chemical Name | CASRN | Risk | HQ | Risk | HQ | Risk | HQ | Risk | HQ | | |
| Acrylonitrile | 107-13-1 | = 5E-05,(ing) | = 3E+00,(ing) | < 1E-05,(ing) | = 1E-01,(ing) | = 1E-05,(ing) | = 5E-01,(ing) | < 1E-05,(ing) | = 1E-01,(ing) | | |
| Benzene | 71-43-2 | = 5E-05,(cmb) | note 3 | = 1E-05,(cmb) | note 3 | = 1E-05,(cmb) | note 3 | = 5E-06,(cmb) | note 3 | | |
| Pentachlorophenol | 87-86-5 | Invalid curve,(ing) | < 1E+01,(ing) | < 1E-05,(ing) | < 1E-01,(inh) | < 1E-05,(ing) | < 1E-01,(inh) | < 1E-05,(ing) | < 1E-01,(inh) | | |
| Mercury | 7439-97-6 | note 2 | < 1E-01,(inh) | note 2 | < 1E-01,(inh) | note 2 | < 1E-01,(inh) | note 2 | < 1E-01,(inh) | | |
| Lead | 7439-92-1 | note 1 | note 1 | note 1 | note 1 | note 1 | note 1 | note 1 | note 1 | | |

| | | Protection Group 4 | | | | | | | | | |
|-------------------|-----------|---------------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------|--|
| | | 10-5 | | 95% Pop | | 90% Prob | | HH (1) | | Eco (10) | |
| | | Beef/Dairy Farmer | | Gardener | | Fisher | | Resident | | | |
| Chemical Name | CASRN | Risk | HQ | Risk | HQ | Risk | HQ | Risk | HQ | | |
| Acrylonitrile | 107-13-1 | = 7E-05,(ing) | = 5E+00,(ing) | < 1E-05,(ing) | = 2E-01,(ing) | < 1E-05,(ing) | = 4E-01,(ing) | = 1E-05,(ing) | = 1E-01,(ing) | | |
| Benzene | 71-43-2 | < 1E-04,(cmb) | note 3 | < 1E-05,(cmb) | note 3 | < 1E-05,(cmb) | note 3 | < 5E-06,(cmb) | note 3 | | |
| Pentachlorophenol | 87-86-5 | Invalid curve,(ing) | < 1E+01,(ing) | < 1E-05,(ing) | < 1E-01,(inh) | < 1E-05,(ing) | < 1E-01,(inh) | < 1E-05,(ing) | < 1E-01,(inh) | | |
| Mercury | 7439-97-6 | note 2 | < 1E-01,(inh) | note 2 | < 1E-01,(inh) | note 2 | < 1E-01,(inh) | note 2 | < 1E-01,(inh) | | |
| Lead | 7439-92-1 | note 1 | note 1 | note 1 | note 1 | note 1 | note 1 | note 1 | note 1 | | |

- note 1: Human impacts were not evaluated due to the lack of human health toxicity values.
- note 2: The risk was not calculated for this chemical because the chemical did not have a cancer slope factor.
- note 3: The hazard was not calculated for this chemical because it did not have a noncancer reference dose or reference concentration.
- NA: Not Applicable
- No Curve: For this chemical, inhalation and ingestion pathways are not additive.