| Material Safety Data She | et | QU POND |
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| DuPont [™] Perspective | [™] Herbicide | |
| Version 2.3 | | |
| Revision Date 12/13/2010 | Ref. 13000050672 | |
| This SDS adheres to the standa requirements in other countries. | rds and regulatory requirements of the United States and may n | not meet the regulatory |
| SECTION 1. PRODUCT AND C | OMPANY IDENTIFICATION | |
| Product name Tradename/Synonym | DuPont[™] Perspective[™] Herbicide DPX-Q2K06 WG B12846349 AMINOCYCLOPYRACHLOR: 6-Amino-5-chloro-2-cyclop pyrimidinecarboxylic acid CHLORSULFURON: 2-Chloro-N-[(4-methoxy-6-methyl-1, yl)aminocarbonyl] benzenesulfonamide | |
| MSDS Number | : 13000050672 | |
| Product Use | : Herbicide | |
| Manufacturer | : DuPont 1007 Market Street Wilmington, DE 19898 | |
| Product Information Medical Emergency Transport Emergency | 1-800-441-7515 (outside the U.S. 1-302-774-1000) 1-800-441-3637 (outside the U.S. 1-302-774-1139) CHEMTREC: 1-800-424-9300 (outside the U.S. 1-703-52) | 7-3887) |
| SECTION 2. HAZARDS IDENTI | FICATION | |
| Emergency Overview Caution Harmful if swallowed. Ca | uses moderate eye irritation. Do not get in eyes or on clothing. | |
| Potential Health Effects This section includes pote the label. | ential acute adverse effects which could occur if this material is | not used according to |
| Skin | : May cause: Irritation with discomfort or rash. | |
| Eyes | : May cause: Irritation with discomfort, pain, redness, or | visual impairment. |
| Carcinogenicity | 4 / 4 4 | |
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| Material Safety | Data | Sheet |
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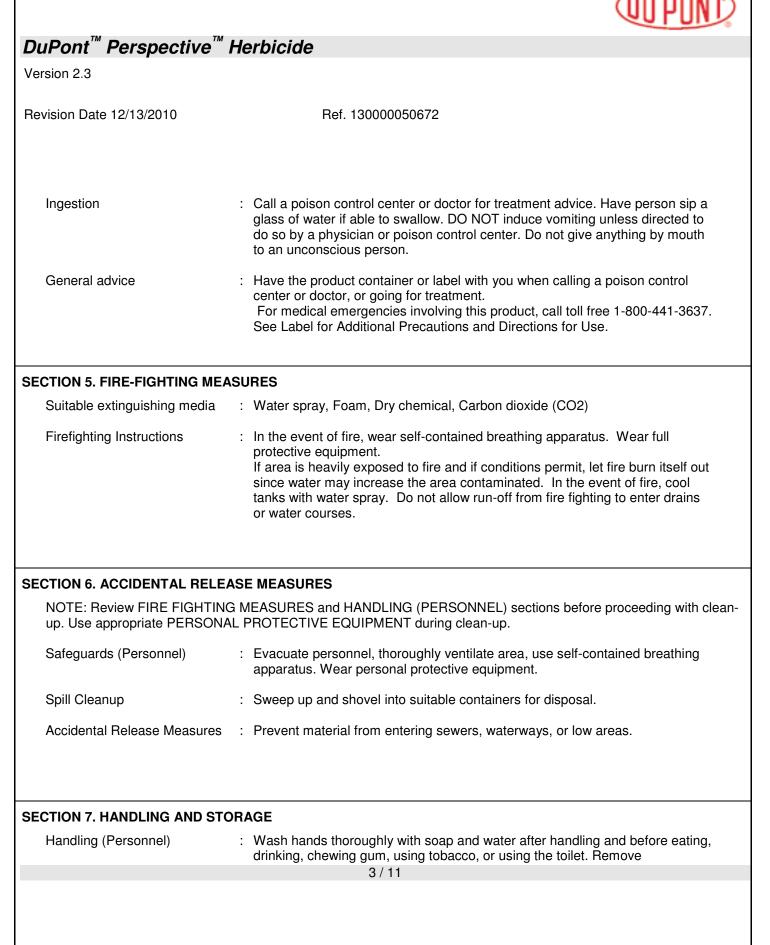
| DuPont [™] | Pers | pective [™] | Herbicide |
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| Material | IARC | NTP | OSHA | |
| Titanium dioxide | 2B | | | |
| CTION 3. COMPOSITION/INI | FORMATION ON IN | GREDIENTS | | |
| | | | | |
| Component | | | CAS-No. | Concentration |
| Component Aminocyclopyrachlor | | | CAS-No. 858956-08-8 | Concentration 39.5 % |
| | | | | |

| Present as an impunity in the clay component of this product: | | |
|---|------|--|
| TItanium Dioxide | <1 % | |
| | | |
| | | |

| Skin contact | : The material is not likely to be hazardous by skin contact, but cleansing the skin after use is advisable. |
|--------------|---|
| Eye contact | : Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice. |
| Inhalation | : No specific intervention is indicated as the compound is not likely to be hazardous. Consult a physician if necessary. |
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| PuPont [™] Perspective [™] | Herbicide | ; | | |
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| | clean clot handling t | hing. Remo his product. | ve personal protec Wash the outside | s inside. Wash thoroughly and put on tive equipment immediately after of gloves before removing. As soon ge into clean clothing. |
| Handling (Physical Aspects) | : Keep awa | ay from heat | and sources of igr | nition. |
| Storage | | | | des, fertilizer, food or feed in storage. ol, dry place. Keep out of the reach of |
| SECTION 8. EXPOSURE CONTR | | IAL PROTE | CTION | |
| Personal protective equipmen Skin and body protection | : Applicator Long slee | ved shirt an resistant glo | handlers must we d long pants oves made of any v | ar: waterproof material |
| Protective measures | heavily co manufact instructior | ontaminated urer's instrue ns for washa | with this product. I ctions for cleaning/ | aterials that have been drenched or Do not reuse them. Follow maintaining PPE. If no such ergent and hot water. Keep and /. |
| Exposure Guidelines Exposure Limit Values Aminocyclopyrachlor AEL * | (DUPONT) | 5 mg/m3 | 8 & 12 hr. TWA | Respirable dust. |
| AEL * | (DUPONT) | 10 mg/m3 | 8 & 12 hr. TWA | Total dust. |
| Chlorsulfuron AEL * | (DUPONT) | 10 mg/m3 | 8 & 12 hr. TWA | Total dust. |
| AEL * | (DUPONT) | 5 mg/m3 | 8 & 12 hr. TWA | Respirable dust. |
| Titanium dioxide PEL: | (OSHA) | 15 mg/m3 | 8 hr. TWA To | tal dust. |
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| TLV | (ACGIH) 10 mg/m3 TWA |
| AEL * | (DUPONT) 10 mg/m3 8 & 12 hr. TWA Total dust. |
| AEL * | (DUPONT) 5 mg/m3 8 & 12 hr. TWA Respirable dust. |
| are lower than the AEL a | otable Exposure Limit. Where governmentally imposed occupational exposure limits which are in effect, such limits shall take precedence. |
| Form Color Odor pH Bulk density Water solubility | : granular : cream, light tan : slight : 5.6 : 0.57 mg/l : dispersible |
| CTION 10. STABILITY AN | D REACTIVITY |
| Stability | : Stable at normal temperatures and storage conditions. |
| Conditions to avoid | : None reasonably foreseeable. |
| Incompatibility | : No materials to be especially mentioned. |
| CTION 11. TOXICOLOGIC | |
| DuPont [™] Perspective [™] H Inhalation 4 h LC | erbicide C50 |
| | : > 5,000 mg/kg , rat |
| Dermal LD50 | |
| Dermal LD50 Oral LD50 | : > 5,000 mg/kg , rat |



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| Eye irritation | : Moderate eye irritation, rabbit |
| Sensitisation | : Animal test did not cause sensitization by skin contact., mice |
| Aminocyclopyrachlor Carcinogenicity | : Animal testing did not show any carcinogenic effects. |
| Mutagenicity | Evidence suggests this substance does not cause genetic damage in cultured bacterial cells. Evidence suggests this substance does not cause genetic damage in cultured mammalian cells. Evidence suggests this substance does not cause genetic damage in animals. |
| Reproductive toxicity | : No toxicity to reproduction |
| Teratogenicity | : Evidence suggests the substance is not a developmental toxin in animals. |
| Chlorsulfuron | |
| Repeated dose toxicity | The following effects occurred at levels of exposure that significantly exceed those expected under labeled usage conditions. |
| | Inhalation rat Reduced body weight gain, Kidney effects, Spleen effects, Bloody urine, bone marrow changes |
| | Oral rat Reduced body weight gain, altered blood chemistry |
| | Oral dog Abnormal decrease in number of red blood cells |
| Carcinogenicity | : The following effects occurred at levels of exposure that significantly exceed those expected under labeled usage conditions. |
| | A slight increased incidence in tumors was observed in one species, but not in other species. |
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| | Target(s): Leydig cells |
| Mutagenicity | : Did not cause genetic damage in cultured bacterial cells. |
| | Did not cause genetic damage in animals. |
| | Did not cause genetic damage in cultured mammalian cells. |
| Reproductive toxicity | : Animal testing showed no reproductive toxicity. |
| Teratogenicity | : The following effects occurred at levels of exposure that significantly exceed those expected under labeled usage conditions. |
| | Animal testing showed effects on embryo-fetal development at levels equal to or above those causing maternal toxicity. |
| TItanium Dioxide Carcinogenicity | : Based upon all available study results, DuPont scientists conclude that titanium dioxide will not cause lung cancer or chronic respiratory diseases in humans at concentrations experienced in the workplace. |
| SECTION 12. ECOLOGICAL INFORM | ΛΑΤΙΟΝ |
| Aquatic Toxicity Aminocyclopyrachlor | |
| 96 h LC50 | : Oncorhynchus mykiss (rainbow trout) > 122 mg/l |
| 96 h LC50 | : Lepomis macrochirus (Bluegill sunfish) > 120 mg/l |
| 72 h EC50 | : Pseudokirchneriella subcapitata (green algae) > 122 mg/l |
| 72 h EC50 | : Anabaena flos-aquae (cyanobacteria) 7.4 mg/l |
| 96 h EC50 | : Daphnia magna (Water flea) 43 mg/l |
| Chlorsulfuron 96 h LC50 | : Oncorhynchus mykiss (rainbow trout) > 122 mg/l |
| 96 h LC50 | : Lepomis macrochirus (Bluegill sunfish) > 128 mg/l |
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| 96 h LC50 | : Cyprinodon variegatus (sheepshead minnow) > 980 mg/l |
| 120 h EbC50 | : Pseudokirchneriella subcapitata (green algae) 0.05 mg/l |
| 48 h EC50 | : Daphnia magna (Water flea) > 112 mg/l |
| Toxicity to other organisms | |
| Aminocyclopyrachlor LD50 | : Colinus virginianus (Bobwhite quail) > 2,075 mg/kg Oral |
| LC50 | : Colinus virginianus (Bobwhite quail) > 5,620 ppm Dietary |
| LC50 | : Anas platyrhynchos (Mallard duck) > 5,620 ppm Dietary |
| Chlorsulfuron | |
| LD50 | : Anas platyrhynchos (Mallard duck) > 5,000 mg/kg Oral |
| LD50 | : Colinus virginianus (Bobwhite quail) > 5,000 mg/kg Oral |
| 8 d LC50 | : Colinus virginianus (Bobwhite quail) > 5,620 mg/kg Dietary |
| 8 d LC50 | : Anas platyrhynchos (Mallard duck) > 5,620 mg/kg Dietary |
| Additional ecological information | Environmental Hazards: Do not apply directly to water, or to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not contaminate water when cleaning equipment or disposing of equipment washwaters or rinsate. See product label for additional application instructions relating to environmental precautions. |
| | |
| SECTION 13. DISPOSAL CONSIDE | |
| Waste Disposal | : Do not contaminate water, food or feed by disposal. Wastes resulting from the |
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| Container Dis | disposal faci posal : Container R Refer to the Do not trans | use of this product must be disposed of on site or at an approved waste disposal facility. Container Refilling and Disposal: Refer to the product label for instructions. Do not transport if this container is damaged or leaking. In the event of a major spill, fire or other emergency, call 1-800-441-3637 day or night. | |
| | | | |
| IATA_C | UN number | : 3077 | |
| IMDG | Proper shipping name Class Packing group Labelling No. | Environmentally hazardous substance, solid, n.o.s. (Chlorsulfuron) 9 III 9MI | |
| | UN number Proper shipping name Class | 3077 Environmentally hazardous substance, solid, n.o.s. (Chlorsulfuron) 9 | |
| | Packing group Labelling No. | : 9 : 9 | |
| | Marine pollutant | : yes (Chlorsulfuron) | |
| Not regulated | d as a hazardous material by DOT | | |
| CTION 15. RE | GULATORY INFORMATION | | |
| SARA 313 Chemical(s | | n | |
| Title III haz | ard : Acute Health | n Hazard: Yes | |
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| | | | | | | |
| classification | Chro | nic Health Hazard: No | | | | |
| olassinoation | Fire: | Fire: No | | | | |
| | | tivity/Physical hazard: No sure: No | | | | |
| | | | | | | |
| EPA Reg. No. | : 352-8 In the | 346 e United States this product is reg | ulated by the US Environmental | | | |
| | Prote | ection Agency (EPA) under the Fe | deral Insecticide, Fungicide and | | | |
| | | | on of Federal law to use this product in . . Read and follow all label directions. | | | |
| | This | This product is excluded from listing requirements under EPA/TSCA. | | | | |
| California Prop. 65 | | : WARNING! This product contains a chemical known to the State of California | | | | |
| | to cause birth defects or other reproductive harm.Chlorsulfuron | | | | | |
| PA Right to Know | | Substances on the Pennsylvania Hazardous Substances List present at a concentration of 1% or more (0.01% for Special Hazardous Substances): Kaolin, Sodium sulphate | | | | |
| Regulated Chemical(s) | | | | | | |
| | Subs | | 5 | | | |
| | | | | | | |
| SECTION 16. OTHER INFORMA | | | | | | |
| | | NFPA | HMIS | | | |
| Health | : | 1 | 1 | | | |
| Flammability | : | 1 | 1 | | | |
| Reactivity/Physical hazard | | 0 | 0 | | | |
| neactivity/i hysicai hazaru | • | U | 0 | | | |
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| [™] Trademark of E.I. du Pont | de Nemoui | 's and Company. | | | | |
| [®] Registered trademark of E | I. du Pont o | le Nemours and Company | | | | |
| Contact person | : DuPor | it Crop Protection, Wilmington, DI | E, 19898, Phone: 1-888-638-7668 | | | |
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| The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at | | | | | | |
| the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The | | | | | | |
| information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text. | | | | | | |
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Significant change from previous version is denoted with a double bar.