



COMMONWEALTH OF PENNSYLVANIA
PENNSYLVANIA COMMERCIAL ITEM DESCRIPTION (PCID)

PCID NO. 1093

Herbicides (Non-Selective)

Eff. 12/20/2016

(This Item Description supercedes PCID 1093, eff. 1/24/12)

This Pennsylvania Commercial Item Description covers requirements for various non-selective herbicides to be used in areas where vegetation is to be eliminated. Product shall conform to the following requirements, unless otherwise noted on the request for proposals or invitation for bids.

1.0 Classification - The herbicides shall be of the following types and classes meeting the requirements in section 2.0.

| | | |
|--|--|--|
| Type 1 – Diuron, Dry Flowable (DF) | Type 3 – Bromacil | Type 13 – Bromacil Diuron |
| Type 14 – Hexazinone (DF) | Type 16 – Glyphosate | Type 17 – Oryzalin |
| Type 18 – Sulfometuron methyl | Type 19 – Imazapyr | Type 20 – Prodiamine |
| Type 21 – Pendimethalin | Type 22 – Imazapyr Diuron | Type 23 - Sulfometuron methyl Metsulfuron methyl |
| Type 24 – Hexazinone | Type 25 – Trifluralin Isoxaben | Type 26 – Diuron (XP) |
| Type 27 - Tebuthiuron Formulations | Type 28 - Sulfometuron Methyl and Chlorsulfuron Formulation | |
| Type 29 - Sulfometuron Methyl, Chlorosulfuron, and Sulfentrazone Formulation | Type 30 - Imazapic and Glyphosate | |
| Type 31 – Indaziflam | Type 32 – Indaziflam, Diquat dibromide, Glyphosate formulation | |

2.0 Requirements - The products shall be clean, uniform and free from any defects, which might impair their utility.

2.1 Type 1 – Diuron, Dry Flowable (DF) - containing 80% active as diuron and 20% inert ingredients.

2.2 Type 3 – Bromacil

2.2.1 Class 2 – Water soluble liquid: 21.9% active ingredient as lithium salt of bromacil and 78.1% inert ingredients.

2.3 Type 13- Bromacil Diuron (reference: Krovar 1 DF), dry flowable, 80% active ingredient as 40% bromacil and 40% diuron, and 20% inert ingredients.

2.4 Type 14- Hexazinone (DF), 75% dry flowable hexazinone and 25% inert ingredients.

2.5 Type 16- Glyphosate, Water soluble, containing a minimum of 2.8 lbs. of glyphosate acid per US gallon without a surfactant

2.6 Type 17- Oryzalin, 40.4% active ingredient as oryzalin and 59.6% inert ingredients.

2.7 Type 18- Sulfometuron methyl, Extruded Pellet (XP), 75% active as sulfometuron methyl and 25% inert ingredients.

2.8 Type 19 - Imazapyr

2.8.1 Class 1- Imazapyr liquid, 28.7 active as Imazapyr. Isopropylamine salt equivalent of 28.7% or acid equivalent of 22.6% (2 lbs./gal) and 71.3% inert ingredients

2.8.2 Class 2- Imazapyr liquid, 26.7 active as Imazapyr. Isopropylamine salt equivalent of 26.7% or acid equivalent of 21.8% (2 lbs./gal) and 73.3% inert ingredients.

2.9 Type 20- Prodiamine, water dispersible, 65% active ingredient as prodiamine and 35% inert ingredients.

2.10 Type 21- Pendimethalin emulsifiable concentrate, 37.4% (3.3 lbs.) active ingredient as pendimethalin and 62.6% inert ingredients.

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2.10.1 Class 1 - Pendimethalin emulsifiable concentrate, 38.7% (3.8 lbs.) active ingredient as pendimethalin and 61.3% inert ingredients.

2.11 Type 22 - Imazapyr Diuron, dry flowable, 7.78% active ingredient as imazapyr, 62.22% active ingredient as diuron and 30% inert ingredients.

2.12 Type 23 – Sulfometuron methyl and Metsulfuron methyl Formulation, dispersible granule, shall contain 56.25% Sulfometuron methyl, 15% Metsulfuron methyl, and 28.75% inert ingredients.

2.13 Type 24 – Hexazinone, liquid, shall contain 25% Hexazinone and 75% inert ingredients.

2.14 Type 25 – Trifluralin Isoxaben, granule, 2.0% trifluralin, 0.5% isoxaben, and 97.5% inert ingredients.

2.15 Type 26 - Diuron, Extruded Paste (XP) - containing 80% active as diuron and 20% inert ingredients.

2.16 Type 27 - Tebuthiuron Formulations

2.16.1 Class A - Dry Flowable (DF) (80% Active): Shall contain 80% active ingredient as tebuthiuron with 20% inert ingredients.

2.16.2 Class B - Pellets (20% Active): Shall contain 20% active ingredient as tebuthiuron with 80% inert ingredients.

2.17 Type 28 – Sulfometuron methyl and Chlorsulfuron Formulation

2.17.1 Class B – Dispersible Granule: Shall contain 50% Sulfometuron methyl, 25% Chlorsulfuron, and 25% inert ingredients.

2.18 Type 29 – Sulfometuron methyl, chlorosulfuron, and sulfentrazone formulation containing 18% sulfometuron methyl, 9% chlorsulfuron, 48% sulfentrazone, and 25% inert ingredients.

2.19 Type 30 - Imazapic and Glyphosate, .75 lbs of Imazapic and 1.5 lbs of Glyphosate per U.S. Gallon labeled for right of way applications.

2.20 Type 31 – Indaziflam Suspension Concentrate, 19.05% active ingredient as Indaziflam and 80.95% inert ingredients.

2.21 Type 32 – Indaziflam, Diquat dibromide, Glyphosate formulation containing 0.089% Indaziflam, 0.890% Diquat dibromide, 20.46% Glyphosate isopropylamine salt, and 78.561% inert ingredients.

3.0 Sampling, Inspection and Testing - Sampling for prior to/post- award testing, if required, will be as defined in the Invitation to Bid Proposal. Inspection may be made at place of manufacture at the option of the Commonwealth after an award has been made. Inspection for final acceptance shall be made at the place of delivery and/or after laboratory testing to determine whether product or service meet the specification requirements. Samples for inspection and after delivery testing shall be selected by simple random sampling. If defects are detected during the course of delivery, or after product has been delivered, the Commonwealth reserves the right to reject the defective product and require replacement at no cost to the Commonwealth, or cancel the contract and surcharge the supplier for any expense incurred by the cancellation of the contract and in securing satisfactory materials, if the supplier fails to apply timely and corrective measures. When necessary, tests shall be made in accordance with the applicable test methods as described in the current edition of the Official Methods of Analysis of the Association of Official Analytical Chemists (A.O.A.C.). (Consideration may be given to the manufacturer's standard test methods.)

4.0 Packaging -Unless otherwise specified, formulations shall be packaged in new containers according to manufacturer's standard commercial practice. Cans shall be of a nature to resist corrosion from the time of delivery to a minimum of 12 months in storage. Liquid and flowable formulations shall be packaged in new, unused, non-returnable, corrosion resistant cans, drums, pails or product-compatible plastics, in the sizes as specified. Wettable powders and granular formulations shall be packaged in sift proof, odor proof, bags, sacks, or fiber drums, in the sizes as specified. Shipping containers shall be standard commercial containers acceptable by all common carriers.

5.0 Marking - Each container shall have a current label, which includes directions for its use. Statements of liquid measure shall be in terms of the United States gallon @ 68 ° F. Each shipping container shall be clearly marked with the name of contents, the amount

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contained, the batch or lot number, the contract or order number or numbers, and the name of the receiving party as shown on the face of the contract or order.

6.0 Registration - The product offered shall be registered with the Federal Government. The EPA registration number must be included with the label submitted by the bidder at bid opening time. The product must also be registered with the Pennsylvania Department of Agriculture.

7.0 Material Masters – This PCID encompasses requirements for the following material masters:

| SAP Material Master | Product Description | SAP Material Master | Product Description |
|---------------------|---|---------------------|---|
| N/A | Diuron, Dry Flowable (DF) Type 1 | 311997 | Pendimethalin, emulsifiable concentrate Type 21 Class 1 |
| N/A | Bromacil Type 3 | N/A | Imazapyr Diuron, dry flowable Type 22 |
| 301458 | Bromacil and Diuron Type 13 Ref: Krovar 1 DF | 312004 | Sulfometuron Methyl and Metsulfuron Methyl Type 23 Ref: Oust Extra In a measurable non-segregating blend |
| 301456 | Hexazinone DF Ref: Velpar DF Type 14 | 301463 | Hexazinone Type 24 Ref: Velpar Liquid |
| N/A | Glyphosate, Water soluble Type 16 | 312033 | Trifluralin Isoxaben Granule Type 25 Ref: Snapshot |
| N/A | Oryzalin Type 17 | 311224 | Karmex XP Type 26 Ref: Karmex XP |
| 312003 | Sulfometuron Methyl Extruded Paste Type 18 Ref: Oust XP | 312035 | Tebuthiuron 20P Type 27, Class B Ref: Spike 20P 5 LB. Container |
| N/A | Imazapyr Type 19, Class 1 | N/A | Sulfometuron methyl and Chlorsulfuron Formulation Type 28 |
| 315056 | Imazapyr Type 19, Class 2 Ref: Arsenal Powerline | 315055 | Sulfometuron Methyl, Clorsulfuron, and Sulfentrazone Type 29 Ref: Throttle XP |
| N/A | Prodiamine, water dispersible Type 20 | 317679 | Imazapic and Glyphosate Type 30 Ref: Journey No Substitution |

8.0 Documents Sources –

Association of Analytical Chemists
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