



# Safety Data Sheet

Issue Date: 20-Feb-2010

Revision Date: 06-Apr-2015

Version 1

## 1. IDENTIFICATION

### Product Identifier

Product Name

**Quali-Pro Dithiopyr 40 WSB**

### Other means of identification

SDS #

ADAMA-140

Registration Number(s)

EPA Reg. No. 66222-213

### Recommended use of the chemical and restrictions on use

Recommended Use

EPA registered pesticide.

### Details of the supplier of the safety data sheet

#### Manufacturer Address

Makhteshim Agan of North America, Inc. (d/b/a ADAMA)  
3120 Highwoods Blvd., Suite 100  
Raleigh, NC 27604

#### Emergency Telephone Number

Company Phone Number

1-919-256-9300

Emergency Telephone (24 hr)

For fire, spill and/or leak contact INFOTRAC:  
1-800-535-5053 (North America) 1-352-323-3500 (International)  
For medical emergencies and health/safety inquiries, contact PROSAR:  
1-877-250-9291

## 2. HAZARDS IDENTIFICATION

**EMERGENCY OVERVIEW:** This chemical is a product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-EPA registered chemicals. Please see Section 15 for additional EPA information. The product contains no substances which, at their given concentration, are considered to be hazardous to health.

**Appearance** Off-white, gray or tan powder

**Physical State** Solid

**Odor** Characteristic of sulfur-containing compounds

### Classification

This chemical does not meet the hazardous criteria set forth by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200). However, this Safety Data Sheet (SDS) contains valuable information critical to the safe handling and proper use of this product. This SDS should be retained and available for employees and other users of this product.

### Other Hazards

Harmful to aquatic life with long lasting effects

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

The product contains no substances which, at their given concentration, are considered to be hazardous to health. However, additional component information is available in subsequent sections of this SDS.

### 4. FIRST-AID MEASURES

#### First Aid Measures

|                       |   |
|-----------------------|---|
| <b>General Advice</b> | When possible, have the product container or label with you when calling a poison control center or doctor or going for treatment.  |
| <b>Eye Contact</b>    | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a poison control center or doctor for treatment advice.           |
| <b>Skin Contact</b>   | IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Take off contaminated clothing. Call a poison control center or doctor for treatment advice. |
| <b>Inhalation</b>     | Give oxygen if breathing is difficult. If breathing has stopped, call 911, give artificial respiration. Call a poison control center or doctor for further treatment advice.                            |
| <b>Ingestion</b>      | IF SWALLOWED: call a poison control center or physician immediately. Do not induce vomiting, unless directed by medical personnel. Never give anything by mouth to an unconscious person.               |

#### Most important symptoms and effects

|                 |  |
|-----------------|--|
| <b>Symptoms</b> | May cause moderate eye irritation. May cause irritation to the mucous membranes and upper respiratory tract. May cause mild skin irritation. |
|-----------------|--|

#### Indication of any immediate medical attention and special treatment needed

|                           |   |
|---------------------------|---|
| <b>Notes to Physician</b> | Treat symptomatically. Repeated overexposure to the active ingredient of this product may cause kidney effects, liver effects, blood effects, thyroid damage and adrenal effects. |
|---------------------------|---|

### 5. FIRE-FIGHTING MEASURES

#### Suitable Extinguishing Media

Water spray (fog). Carbon dioxide (CO<sub>2</sub>). Dry chemical.

**Unsuitable Extinguishing Media** Not determined.

#### Specific Hazards Arising from the Chemical

Dust can form an explosive mixture with air.

**Hazardous Combustion Products** During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion.

#### Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Prevent runoff from fire control or dilution from entering streams, sewers, or drinking water supply. Use water spray to cool exposed containers.

## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures

|                                  |   |
|----------------------------------|---|
| <b>Personal Precautions</b>      | Wear protective clothing as described in Section 8 of this safety data sheet. Isolate hazard area. Keep unnecessary and unprotected personnel from entering. Avoid creating dust. |
| <b>Environmental Precautions</b> | Prevent from entering into soil, ditches, sewers, waterways and/or groundwater. See Section 12, Ecological Information. See Section 13: DISPOSAL CONSIDERATIONS.                  |

### Methods and material for containment and cleaning up

|                                |   |
|--------------------------------|---|
| <b>Methods for Containment</b> | Prevent further leakage or spillage if safe to do so.   |
| <b>Methods for Clean-Up</b>    | Do not flush to sewer. Collect and place in suitable, properly labeled container for recovery or disposal. Avoid creating dust. |

## 7. HANDLING AND STORAGE

### Precautions for safe handling

|                                |   |
|--------------------------------|---|
| <b>Advice on Safe Handling</b> | Handle in accordance with good industrial hygiene and safety practice. Use personal protection recommended in Section 8. Avoid contact with skin, eyes or clothing. Avoid generation of dust. Dust can form an explosive mixture with air. Wash face, hands, and any exposed skin thoroughly after handling. Wash contaminated clothing before reuse. Use in accordance with product label instructions. Do not breathe dust/fume/gas/mist/vapors/spray. Do not eat, drink, smoke, or apply cosmetics while handling this product. Follow all product label instructions. Use only as directed. |
|--------------------------------|---|

### Conditions for safe storage, including any incompatibilities

|                               |  |
|-------------------------------|--|
| <b>Storage Conditions</b>     | Keep container tightly closed and store in a cool, dry and well-ventilated place. Keep out of the reach of children. Keep/store only in original container. Store at ambient conditions. Do not contaminate water, food, or feed by storage or disposal. Store at temperatures above 32°F. |
| <b>Incompatible Materials</b> | Strong oxidizing agents.   |

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

|                                   |  |
|-----------------------------------|--|
| <b><u>Exposure Guidelines</u></b> | The following information is given as general guidance |
|-----------------------------------|--|

### Appropriate engineering controls

|                             |   |
|-----------------------------|---|
| <b>Engineering Controls</b> | THE FOLLOWING RECOMMENDATIONS FOR EXPOSURE CONTROLS/PERSONAL PROTECTION ARE INTENDED FOR THE MANUFACTURE, FORMULATION, PACKAGING AND USE OF THIS PRODUCT. FOR COMMERCIAL APPLICATIONS AND/OR ON-FARM APPLICATIONS OF END USE PRODUCTS CONTAINING THIS MATERIAL, CONSULT THE SDS OR PRODUCT LABEL FOR THE END USE PRODUCT. |
|-----------------------------|---|

### Individual protection measures, such as personal protective equipment

|                                 |   |
|---------------------------------|---|
| <b>Eye/Face Protection</b>      | Wear safety glasses with side shields (or goggles). Goggles are recommended.  |
| <b>Skin and Body Protection</b> | Wear appropriate clothing to prevent repeated or prolonged skin contact. Wear long-sleeved shirt, long pants, and shoes plus socks. Use chemical resistant gloves, such as P.V.C., butyl-rubber, nitrile-rubber, or neoprene. |

**Respiratory Protection**

NIOSH-approved respirator or mask in the absence of adequate ventilation.

**General Hygiene Considerations**

Handle in accordance with good industrial hygiene and safety practice. Wash face, hands and any exposed skin thoroughly after handling. Take off all contaminated clothing and wash it before reuse. Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. Follow manufacturer's instructions for cleaning and maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Information on basic physical and chemical properties**

|                              |   |                                |   |
|------------------------------|---|--------------------------------|---|
| <b>Physical State</b>        | Solid                                       | <b>Odor</b>                    | Characteristic of sulfur-containing compounds |
| <b>Appearance</b>            | Off-white, gray or tan powder               | <b>Odor Threshold</b>          | Not determined                                |
| <b>Color</b>                 | Off-white, gray or tan                      |                                |   |
| <b><u>Property</u></b>       | <b><u>Values</u></b>                        | <b><u>Remarks • Method</u></b> |   |
| pH                           | 7.31  |                                |   |
| Melting Point/Freezing Point | 55 °C / 131 °F                              |                                |   |
| Boiling Point/Boiling Range  | Not determined                              |                                |   |
| Flash Point                  | Not determined                              |                                |   |
| Evaporation Rate             | Not determined                              |                                |   |
| Flammability (Solid, Gas)    | Not determined                              |                                |   |
| Upper Flammability Limits    | Not determined                              |                                |   |
| Lower Flammability Limit     | Not determined                              |                                |   |
| Vapor Pressure               | Not determined                              |                                |   |
| Vapor Density                | Not determined                              |                                |   |
| Specific Gravity             | Not determined                              |                                |   |
| Water Solubility             | Miscible in water                           |                                |   |
| Solubility in other solvents | Not determined                              |                                |   |
| Partition Coefficient        | Not determined                              |                                |   |
| Auto-ignition Temperature    | Not determined                              |                                |   |
| Decomposition Temperature    | Not determined                              |                                |   |
| Kinematic Viscosity          | Not determined                              |                                |   |
| Dynamic Viscosity            | Not determined                              |                                |   |
| Explosive Properties         | Dust can form an explosive mixture with air |                                |   |
| Oxidizing Properties         | Not determined                              |                                |   |
| Bulk Density                 | 0.266 g/mL                                  |                                |   |

## 10. STABILITY AND REACTIVITY

**Reactivity**

Not reactive under normal conditions.

**Chemical Stability**

Stable under recommended storage conditions.

**Possibility of Hazardous Reactions**

None under normal processing.

**Hazardous Polymerization**

Hazardous polymerization does not occur.

**Conditions to Avoid**

See Sec. 7 Handling &amp; Storage.

**Incompatible Materials**

Strong oxidizing agents.

**Hazardous Decomposition Products**

During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion.

**11. TOXICOLOGICAL INFORMATION****Information on likely routes of exposure****Product Information**

|                     |                           |
|---------------------|---------------------------|
| <b>Eye Contact</b>  | Avoid contact with eyes.  |
| <b>Skin Contact</b> | Avoid contact with skin.  |
| <b>Inhalation</b>   | Avoid inhalation of dust. |
| <b>Ingestion</b>    | Do not ingest.            |

**Component Information**

| Chemical Name                     | Oral LD50 | Dermal LD50 | Inhalation LC50                  |
|-----------------------------------|-----------|-------------|----------------------------------|
| Dithiopyr Technical<br>97886-45-8 | -         | -           | > 6 g/m <sup>3</sup> ( Rat ) 4 h |

**Information on physical, chemical and toxicological effects**

|                 |  |
|-----------------|--|
| <b>Symptoms</b> | Please see section 4 of this SDS for symptoms. |
|-----------------|--|

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

|                        |   |
|------------------------|---|
| <b>Carcinogenicity</b> | Based on the information provided, this product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP. |
|------------------------|---|

**Numerical measures of toxicity**

Not determined

**12. ECOLOGICAL INFORMATION****Ecotoxicity**

Harmful to aquatic life with long lasting effects. This product is toxic to fish and highly toxic to other aquatic organisms including oysters and shrimp. Use with care when applying to turf areas adjacent to any body of water. Drift and runoff from treated turf may adversely affect aquatic organisms in adjacent aquatic sites. Do not apply directly to water or to areas where surface water is present, or to intertidal areas below the mean high watermark. Do not apply when weather conditions favor drift from treated areas. Do not contaminate water when disposing of equipment washwaters.

**Persistence/Degradability**

Not determined.

**Bioaccumulation**

Not determined.

**Mobility**

Not determined

**Other Adverse Effects**

Not determined

**13. DISPOSAL CONSIDERATIONS**

**Waste Treatment Methods****Disposal of Wastes**

Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative of the nearest EPA Regional Office for guidance.

**Contaminated Packaging**

Disposal should be in accordance with applicable regional, national and local laws and regulations.

**14. TRANSPORT INFORMATION****Note**

Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.

**DOT**

Not regulated

**IATA**

|                             |   |
|-----------------------------|---|
| <b>UN/ID No</b>             | UN3077  |
| <b>Proper Shipping Name</b> | Environmentally hazardous substances, solid, n.o.s. (dithiopyr) |
| <b>Hazard Class</b>         | 9   |
| <b>Packing Group</b>        | III   |
| <b>Description</b>          | Marine Pollutant  |

**IMDG**

|                             |   |
|-----------------------------|---|
| <b>UN/ID No</b>             | UN3077  |
| <b>Proper Shipping Name</b> | Environmentally hazardous substances, solid, n.o.s. (dithiopyr) |
| <b>Hazard Class</b>         | 9   |
| <b>Packing Group</b>        | III   |
| <b>Marine Pollutant</b>     | Marine Pollutant  |

**15. REGULATORY INFORMATION****International Inventories**

Not determined

**US Federal Regulations****SARA 311/312 Hazard Categories**

|  |     |
|--|-----|
| <b>Acute Health Hazard</b>               | No  |
| <b>Chronic Health Hazard</b>             | Yes |
| <b>Fire Hazard</b>                       | No  |
| <b>Sudden Release of Pressure Hazard</b> | No  |
| <b>Reactive Hazard</b>                   | No  |

**SARA 313**

Not determined

**US State Regulations****California Proposition 65**

This product does not contain any Proposition 65 chemicals.

**U.S. State Right-to-Know Regulations**

Not determined

**EPA Pesticide Registration Number** 66222-213

**EPA Statement**

This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label:

**EPA Pesticide Label**

Signal Word: Caution

Causes eye irritation. Harmful if absorbed through the skin. Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water after handling. Avoid breathing dust. Remove contaminated clothing and wash clothing before reuse.

**Difference between SDS and EPA pesticide label**

|                                   | <b>EPA</b>                           | <b>OSHA</b> |
|-----------------------------------|--------------------------------------|-------------|
| <b>Signal Word</b>                | Caution                              | N/A         |
| Acute toxicity - Dermal           | Harmful if absorbed through the skin | N/A         |
| Serious eye damage/eye irritation | Causes eye irritation                | N/A         |

|                              |
|------------------------------|
| <b>16. OTHER INFORMATION</b> |
|------------------------------|

**NFPA****Health Hazards**

Not determined

**Flammability**

Not determined

**Instability**

Not determined

**Special Hazards**

Not determined

**HMIS****Health Hazards**

Not determined

**Flammability**

Not determined

**Physical Hazards**

Not determined

**Personal Protection**

Not determined

**Issue Date:**

20-Feb-2010

**Revision Date:**

06-Apr-2015

**Revision Note:**

New format

**Disclaimer**

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.

**End of Safety Data Sheet**