

# Safety Data Sheet



## 1. Identification

|                             |                                                                                |                         |                                                                                |
|-----------------------------|--------------------------------------------------------------------------------|-------------------------|--------------------------------------------------------------------------------|
| <b>Product Name:</b>        | ROHPER QT 4PK ADDITV ALKYD ACCELERATOR                                         | <b>Revision Date:</b>   | 5/16/2016                                                                      |
| <b>Product Identifier:</b>  | 239503                                                                         | <b>Supersedes Date:</b> | 2/15/2016                                                                      |
| <b>Product Use/Class:</b>   | Additive/Alkyd Accelerator                                                     |                         |                                                                                |
| <b>Supplier:</b>            | Rust-Oleum Corporation<br>11 Hawthorn Parkway<br>Vernon Hills, IL 60061<br>USA | <b>Manufacturer:</b>    | Rust-Oleum Corporation<br>11 Hawthorn Parkway<br>Vernon Hills, IL 60061<br>USA |
| <b>Preparer:</b>            | Regulatory Department                                                          |                         |                                                                                |
| <b>Emergency Telephone:</b> | 24 Hour Hotline: 847-367-7700                                                  |                         |                                                                                |

## 2. Hazard Identification

### Classification

### Symbol(s) of Product



### Signal Word

Danger

### GHS HAZARD STATEMENTS

|                                        |      |                                                                            |
|----------------------------------------|------|----------------------------------------------------------------------------|
| Flammable Liquid, category 3           | H226 | Flammable liquid and vapor.                                                |
| Skin Sensitizer, category 1            | H317 | May cause an allergic skin reaction.                                       |
| Acute Toxicity, Inhalation, category 4 | H332 | Harmful if inhaled.                                                        |
| Respiratory Sensitizer, category 1     | H334 | May cause allergy or asthma symptoms or breathing difficulties if inhaled. |
| STOT, single exposure, category 3, RTI | H335 | May cause respiratory irritation.                                          |

### GHS LABEL PRECAUTIONARY STATEMENTS

|           |                                                                                                                             |
|-----------|-----------------------------------------------------------------------------------------------------------------------------|
| P210      | Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. NO SMOKING.                              |
| P261      | Avoid breathing dust, fumes, gases, mists, vapors, or spray.                                                                |
| P280      | Wear protective gloves/protective clothing/eye protection/face protection.                                                  |
| P285      | In case of inadequate ventilation wear respiratory protection.                                                              |
| P302+P352 | IF ON SKIN: Wash with plenty of soap and water.                                                                             |
| P304+P341 | IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. |
| P312      | Call a POISON CENTER or doctor/physician if you feel unwell.                                                                |
| P333+P313 | If skin irritation or rash occurs: Get medical advice/attention.                                                            |
| P342+P311 | If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.                                             |
| P403+P233 | Store in a well-ventilated place. Keep container tightly closed.                                                            |
| P271      | Use only outdoors or in a well-ventilated area.                                                                             |
| P272      | Contaminated work clothing should not be allowed out of the workplace.                                                      |

P303+P361+P353

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

P370+P378

In case of fire: use alcohol film forming foam, carbon dioxide, dry chemical, dry sand, or water fog to extinguish.

P235

Keep cool.

P405

Store locked up.

P501

Dispose of contents in accordance with local, state, provincial, and federal regulations.

**GHS SDS PRECAUTIONARY STATEMENTS**

P240

Ground/bond container and receiving equipment.

P241

Use explosion-proof electrical/ventilating/lighting/equipment.

P242

Use only non-sparking tools.

P243

Take precautionary measures against static discharge.

P363

Wash contaminated clothing before reuse.

**3. Composition/Information On Ingredients****HAZARDOUS SUBSTANCES**

| <u>Chemical Name</u>               | <u>CAS-No.</u> | <u>Wt.% Range</u> | <u>GHS Symbols</u> | <u>GHS Statements</u>            |
|------------------------------------|----------------|-------------------|--------------------|----------------------------------|
| Hexamethylene Diisocyanate Polymer | 28182-81-2     | 50-75             | GHS07-GHS08        | H317-332-334-335                 |
| Homopolymer of IPDI                | 53880-05-0     | 10-25             | GHS07              | H317-335                         |
| n-Butyl Acetate                    | 123-86-4       | 10-25             | GHS02-GHS07        | H226-336                         |
| Solvent Naphtha, Light Aromatic    | 64742-95-6     | 2.5-10            | GHS07-GHS08        | H304-332                         |
| Isophorone Diisocyanate            | 4098-71-9      | 0.1-1.0           | GHS06-GHS08        | H302-312-315-317-319-331-334-335 |
| Hexamethylene Diisocyanate         | 822-06-0       | 0.1-1.0           | GHS06-GHS08        | H311-315-317-319-330-334-335     |

**4. First-aid Measures**

**FIRST AID - EYE CONTACT:** Immediately flush eyes with plenty of water for at least 15 minutes holding eyelids open. Get medical attention. Do NOT allow rubbing of eyes or keeping eyes closed.

**FIRST AID - SKIN CONTACT:** Wash skin with soap and water. Remove contaminated clothing. Get medical attention if irritation develops or persists.

**FIRST AID - INHALATION:** Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get immediate medical attention. Do NOT use mouth-to-mouth resuscitation. If you experience difficulty in breathing, leave the area to obtain fresh air. If continued difficulty is experienced, get medical assistance immediately.

**FIRST AID - INGESTION:** If swallowed, get medical attention. Aspiration hazard: Do not induce vomiting or give anything by mouth because this material can enter the lungs and cause severe lung damage. Get immediate medical attention.

**5. Fire-fighting Measures**

**EXTINGUISHING MEDIA:** Carbon Dioxide, Dry Chemical, Dry Sand

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** No unusual fire or explosion hazards noted. Closed containers may explode when exposed to extreme heat due to buildup of steam. Keep containers tightly closed. Combustible liquid and vapor.

**SPECIAL FIREFIGHTING PROCEDURES:** Water may be used to cool closed containers to prevent pressure buildup and possible autoignition or explosion. Evacuate area and fight fire from a safe distance. Use water spray to keep fire-exposed containers cool. Containers may explode when heated.

**6. Accidental Release Measures**

**STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:** Contain spilled liquid with sand or earth. DO NOT use combustible materials such as sawdust. Remove all sources of ignition, ventilate area and remove with inert absorbent and non-sparking tools. Dispose of according to local, state (provincial) and federal regulations. Do not incinerate closed containers.

## 7. Handling and Storage

**HANDLING:** Wash thoroughly after handling. Wash hands before eating. Remove contaminated clothing and launder before reuse. Use only with adequate ventilation. Follow all MSDS/label precautions even after container is emptied because it may retain product residues. Avoid breathing fumes, vapors, or mist. Avoid contact with eyes, skin and clothing. Avoid contact with eyes.

**STORAGE:** Store in a dry, well ventilated place. Keep container tightly closed when not in use. Keep containers tightly closed. Isolate from heat, electrical equipment, sparks and open flame. Do not store above 120 ° F. Store large quantities in buildings designed and protected for storage of NFPA Class II combustible liquids. Keep away from heat, sparks, flame and sources of ignition. Keep container closed when not in use. Avoid excess heat.

## 8. Exposure Controls/Personal Protection

| Chemical Name                      | CAS-No.    | Weight %<br>Less Than | ACGIH TLV-<br>TWA | ACGIH TLV-<br>STEL | OSHA PEL-TWA | OSHA PEL-<br>CEILING |
|------------------------------------|------------|-----------------------|-------------------|--------------------|--------------|----------------------|
| Hexamethylene Diisocyanate Polymer | 28182-81-2 | 60.0                  | N.E.              | N.E.               | N.E.         | N.E.                 |
| Homopolymer of IPDI                | 53880-05-0 | 25.0                  | N.E.              | N.E.               | N.E.         | N.E.                 |
| n-Butyl Acetate                    | 123-86-4   | 15.0                  | 50 ppm            | 150 ppm            | 150 ppm      | N.E.                 |
| Solvent Naphtha, Light Aromatic    | 64742-95-6 | 5.0                   | N.E.              | N.E.               | N.E.         | N.E.                 |
| Isophorone Diisocyanate            | 4098-71-9  | 1.0                   | 0.005 ppm         | N.E.               | N.E.         | N.E.                 |
| Hexamethylene Diisocyanate         | 822-06-0   | 1.0                   | 0.005 ppm         | N.E.               | N.E.         | N.E.                 |

### PERSONAL PROTECTION

**ENGINEERING CONTROLS:** Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Prevent build-up of vapors by opening all doors and windows to achieve cross-ventilation.

**RESPIRATORY PROTECTION:** A respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use. A NIOSH/MSHA approved air purifying respirator with an organic vapor cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits.

Protection provided by air purifying respirators is limited. Use a positive pressure air supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or in any other circumstances where air purifying respirators may not provide adequate protection.

**SKIN PROTECTION:** Use gloves to prevent prolonged skin contact. Use impervious gloves to prevent skin contact and absorption of this material through the skin. Nitrile or Neoprene gloves may afford adequate skin protection.

**EYE PROTECTION:** Use safety eyewear designed to protect against splash of liquids.

**OTHER PROTECTIVE EQUIPMENT:** Refer to safety supervisor or industrial hygienist for further guidance regarding types of personal protective equipment and their applications. Refer to safety supervisor or industrial hygienist for further information regarding personal protective equipment and its application.

**HYGIENIC PRACTICES:** Wash thoroughly with soap and water before eating, drinking or smoking. Remove contaminated clothing immediately and launder before reuse.

## 9. Physical and Chemical Properties

|                                 |                     |                                                     |           |
|---------------------------------|---------------------|-----------------------------------------------------|-----------|
| <b>Appearance:</b>              | Liquid              | <b>Physical State:</b>                              | Liquid    |
| <b>Odor:</b>                    | Solvent Like        | <b>Odor Threshold:</b>                              | N.E.      |
| <b>Relative Density:</b>        | 1.094               | <b>pH:</b>                                          | N.A.      |
| <b>Freeze Point, °C:</b>        | N.D.                | <b>Viscosity:</b>                                   | N.D.      |
| <b>Solubility in Water:</b>     | Negligible          | <b>Partition Coefficient, n-octanol/<br/>water:</b> | N.D.      |
| <b>Decomposition Temp., °C:</b> | N.D.                | <b>Explosive Limits, vol%:</b>                      | 1.0 - 7.5 |
| <b>Boiling Range, °C:</b>       | 160 - 166           | <b>Flash Point, °C:</b>                             | 38        |
| <b>Flammability:</b>            | Supports Combustion | <b>Auto-ignition Temp., °C:</b>                     | N.D.      |
| <b>Evaporation Rate:</b>        | Slower than Ether   | <b>Vapor Pressure:</b>                              | N.D.      |
| <b>Vapor Density:</b>           | Heavier than Air    |                                                     |           |

(See "Other information" Section for abbreviation legend)

## 10. Stability and Reactivity

**CONDITIONS TO AVOID:** Avoid temperatures above 120°F (49°C). Avoid contact with strong acid and strong bases. Avoid all possible sources of ignition.

**INCOMPATIBILITY:** Incompatible with strong oxidizing agents, strong acids and strong alkalis.

**HAZARDOUS DECOMPOSITION:** By open flame, carbon monoxide and carbon dioxide. When heated to decomposition, it emits acrid smoke and irritating fumes. Contains solvents which may form carbon monoxide, carbon dioxide, and formaldehyde.

**HAZARDOUS POLYMERIZATION:** Will not occur under normal conditions.

**STABILITY:** This product is stable under normal storage conditions.

## 11. Toxicological information

**EFFECTS OF OVEREXPOSURE - EYE CONTACT:** Causes eye irritation. Substance causes moderate eye irritation.

**EFFECTS OF OVEREXPOSURE - SKIN CONTACT:** Substance may cause slight skin irritation. May cause skin irritation. Causes skin irritation. Allergic reactions are possible. May cause skin sensitization, an allergic reaction, which becomes evident upon re-exposure to this material.

**EFFECTS OF OVEREXPOSURE - INHALATION:** Harmful if inhaled. High gas, vapor, mist or dust concentrations may be harmful if inhaled. Avoid breathing fumes, spray, vapors, or mist. May cause headaches and dizziness. High vapor concentrations are irritating to the eyes, nose, throat and lungs. Prolonged or excessive inhalation may cause respiratory tract irritation. May cause allergic respiratory reaction.

**EFFECTS OF OVEREXPOSURE - INGESTION:** Irritating to the nose, throat and respiratory tract. Harmful if swallowed. Aspiration hazard if swallowed; can enter lungs and cause damage.

**EFFECTS OF OVEREXPOSURE - CHRONIC HAZARDS:** Overexposure may cause lung damage. Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage.

**PRIMARY ROUTE(S) OF ENTRY:** Eye Contact, Ingestion, Inhalation, Skin Absorption, Skin Contact

### ACUTE TOXICITY VALUES

The acute effects of this product have not been tested. Data on individual components are tabulated below:

| <u>CAS-No.</u> | <u>Chemical Name</u>               | <u>Oral LD50</u> | <u>Dermal LD50</u>       | <u>Vapor LC50</u> |
|----------------|------------------------------------|------------------|--------------------------|-------------------|
| 28182-81-2     | Hexamethylene Diisocyanate Polymer | N.I.             | N.I.                     | 18.5 mg/L Rat     |
| 123-86-4       | n-Butyl Acetate                    | 10768 mg/kg Rat  | >17600 mg/kg Rabbit      | > 21 mg/L Rat     |
| 64742-95-6     | Solvent Naphtha, Light Aromatic    | 8400 mg/kg Rat   | >2000 mg/kg Rabbit       | N.I.              |
| 4098-71-9      | Isophorone Diisocyanate            | 1097 mg/kg Rat   | 1060 - 4780 mg/kg Rabbit | N.I.              |
| 822-06-0       | Hexamethylene Diisocyanate         | N.I.             | 593 mg/kg Rabbit         | 0.06 mg/L Rat     |

N.I. - No Information

## 12. Ecological Information

**ECOLOGICAL INFORMATION:** Product is a mixture of listed components. Product is a mixture of listed components.

## 13. Disposal Information

**DISPOSAL INFORMATION:** Dispose of material in accordance to local, state, and federal regulations and ordinances. Do not allow to enter waterways, wastewater, soil, storm drains or sewer systems.

## 14. Transport Information

|                       | <u>Domestic (USDOT)</u> | <u>International (IMDG)</u> | <u>Air (IATA)</u> | <u>TDG (Canada)</u> |
|-----------------------|-------------------------|-----------------------------|-------------------|---------------------|
| UN Number:            | N.A.                    | 1263                        | 1263              | N.A.                |
| Proper Shipping Name: | Not Regulated           | Paint                       | Paint             | Not Regulated       |
| Hazard Class:         | N.A.                    | 3                           | 3                 | N.A.                |
| Packing Group:        | N.A.                    | III                         | III               | N.A.                |
| Limited Quantity:     | No                      | Yes, >5L No                 | Yes, >5L No       | No                  |

## 15. Regulatory Information

### U.S. Federal Regulations:

#### CERCLA - SARA Hazard Category

This product has been reviewed according to the EPA 'Hazard Categories' promulgated under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories:

Fire Hazard, Acute Health Hazard, Chronic Health Hazard

#### Sara Section 313:

This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40 CFR part 372:

| <u>Chemical Name</u>       | <u>CAS-No.</u> |
|----------------------------|----------------|
| Isophorone Diisocyanate    | 4098-71-9      |
| Hexamethylene Diisocyanate | 822-06-0       |

#### Toxic Substances Control Act:

This product contains the following chemical substances subject to the reporting requirements of TSCA 12(b) if exported from the United States:

No TSCA 12(b) components exist in this product.

## 16. Other Information

#### HMIS RATINGS

Health: 2\*      Flammability: 2      Physical Hazard: 1      Personal Protection: X

#### NFPA RATINGS

Health: 2      Flammability: 3      Instability: 0

VOLATILE ORGANIC COMPOUNDS, g/L: 188

SDS REVISION DATE: 5/16/2016

REASON FOR REVISION: Substance and/or Product Properties Changed in Section(s):  
08 - Exposure Controls/Personal Protection  
11 - Toxicological Information  
Substance Hazard Threshold % Changed  
Statement(s) Changed

Legend: N.A. - Not Applicable, N.E. - Not Established, N.D. - Not Determined

Rust-Oleum Corporation believes, to the best of its knowledge, information and belief, the information contained herein to be accurate and reliable as of the date of this safety data sheet. However, because the conditions of handling, use, and storage of these materials are beyond our control, we assume no responsibility or liability for personal injury or property damage incurred by the use of these materials. Rust-Oleum Corporation makes no warranty, expressed or implied, regarding the accuracy or reliability of the data or results obtained from their use. All materials may present unknown hazards and should be used with caution. The information and recommendations in this material safety data sheet are offered for the users' consideration and examination. It is the responsibility of the user to determine the final suitability of this information and to comply with all applicable international, federal, state, and local laws and regulations.

