

# Safety Data Sheet



## 1. Identification

|                             |   |                         |  |
|-----------------------------|---|-------------------------|--|
| <b>Product Name:</b>        | URETHN QT 2PK 9800 ACTIVATOR  | <b>Revision Date:</b>   | 8/6/2018   |
| <b>Product Identifier:</b>  | 9801501   | <b>Supersedes Date:</b> | 7/16/2018  |
| <b>Recommended Use:</b>     | DTM Urethane Mastic/Activator   |                         |  |
| <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 |
|                             | Rust-Oleum Canada (ROCA)<br>200 Confederation Parkway<br>Concord, ON L4K 4T8<br>Canada<br>Emergency Phone: 800-387-3625 |                         |  |
| <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 vapour.         |
| Germ Cell Mutagenicity, category 1B    | H340 | May cause genetic defects.           |
| Carcinogenicity, category 1B           | H350 | May cause cancer.                    |
| STOT, single exposure, category 3, RTI | H335 | May cause respiratory irritation.    |
| Acute Toxicity, Inhalation, category 4 | H332 | Harmful if inhaled.                  |
| Skin Sensitizer, category 1            | H317 | May cause an allergic skin reaction. |

Respiratory Sensitizer, category 1

H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.

**GHS LABEL PRECAUTIONARY STATEMENTS**

|                |   |
|----------------|---|
| P210           | Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.        |
| P280           | Wear protective gloves/protective clothing/eye protection/face protection.                            |
| 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 to extinguish. |
| P403+P235      | Store in a well-ventilated place. Keep cool.  |
| P501           | Dispose of contents/container in accordance with local, regional and national regulations.            |
| P201           | Obtain special instructions before use.   |
| P308+P313      | IF exposed or concerned: Get medical advice/attention.  |
| P405           | Store locked up.  |
| P261           | Avoid breathing dust/fume/gas/mist/vapors/spray.  |
| P271           | Use only outdoors or in a well-ventilated area.   |
| P304+P340      | IF INHALED: Remove person to fresh air and keep comfortable for breathing.                            |
| P312           | Call a POISON CENTER or doctor/physician if you feel unwell.  |
| P403+P233      | Store in a well-ventilated place. Keep container tightly closed.                                      |
| P272           | Contaminated work clothing should not be allowed out of the workplace.                                |
| P302+P352      | IF ON SKIN: Wash with plenty of soap and water.   |
| P333+P313      | If skin irritation or rash occurs: Get medical advice/attention.                                      |
| P321           | For specific treatment see label  |
| P285           | In case of inadequate ventilation wear respiratory protection.  |
| P342+P311      | If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.                       |

**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.%</u> | <u>GHS Symbols</u> | <u>GHS Statements</u>            |
|------------------------------------|----------------|-------------|--------------------|----------------------------------|
| Hexamethylene Diisocyanate Polymer | 28182-81-2     | 87          | GHS07-GHS08        | H317-332-334-335                 |
| Solvent Naphtha, Light Aromatic    | 64742-95-6     | 4.5         | GHS07-GHS08        | H304-332-340-350                 |
| n-Butyl Acetate                    | 123-86-4       | 4.5         | GHS02-GHS07        | H226-336                         |
| 1,2,4-Trimethylbenzene             | 95-63-6        | 3.0         | GHS02-GHS07-GHS08  | H226-304-315-319-332-335         |
| Cumene                             | 98-82-8        | 0.3         | GHS02-GHS07-GHS08  | H226-302-304-332-335-351         |
| Hexamethylene Diisocyanate         | 822-06-0       | 0.2         | GHS06-GHS08        | H302-311-315-317-319-330-334-335 |

### 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. If exposed to fumes or vapors, flush eyes with plenty of water for at least 15 minutes. Get medical attention.

**FIRST AID - SKIN CONTACT:** Wash contaminated clothing and decontaminate footwear before reuse. 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, do not induce vomiting. If victim is conscious and alert, give 2 to 4 cupfuls of water or milk. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person. Treat symptomatically and supportively. If swallowed, get medical attention.

### 5. Fire-Fighting Measures

**EXTINGUISHING MEDIA:** Alcohol Film Forming Foam, Carbon Dioxide, Dry Chemical, Dry Sand

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** THIS IS A FAST-CURE POLYURETHANE COATING. When used in spray finish applications, follow all requirements of OSHA's standard: Spray Finishing Using Flammable and Combustible Liquids, 29 CFR 1910.107. All spray areas should be kept free from accumulation of deposits of combustible residues as practical, with cleaning and filter change-out conducted daily. All discarded filter pads and filter rolls should be immediately removed to a safe, well-detached location to fully cure prior to disposal or placed in a water-filled metal container and disposed of at the close of the day's operation. 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:** Full protective equipment including self-contained breathing apparatus should be used. Evacuate area and fight fire from a safe distance. Use water spray to keep fire-exposed containers cool. Containers may explode when heated.

**Special Fire and Explosion Hazard (Combustible Dust):** No Information

## 6. Accidental Release Measures

**STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:** Isolate the hazard area and deny entry to unnecessary and unprotected personnel. 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. Remove contaminated clothing and launder before reuse. Use only in a well-ventilated area. Avoid contact with skin and eyes. Wash hands before eating. Use only with adequate ventilation. Follow all SDS and 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.

**STORAGE:** 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. Store in a dry, well ventilated place. Keep container tightly closed when not in use. Avoid excess heat.

**Advice on Safe Handling of Combustible Dust:** No Information

## 8. Exposure Controls / Personal Protection

| Chemical Name                      | CAS-No.    | Weight %<br>Less Than | ACGIH TLV-<br>TWA | ACGIH TLV-<br>STEL | OSHA PEL-<br>TWA | OSHA PEL-<br>CEILING |
|------------------------------------|------------|-----------------------|-------------------|--------------------|------------------|----------------------|
| Hexamethylene Diisocyanate Polymer | 28182-81-2 | 90.0                  | N.E.              | N.E.               | N.E.             | N.E.                 |
| Solvent Naphtha, Light Aromatic    | 64742-95-6 | 5.0                   | N.E.              | N.E.               | N.E.             | N.E.                 |
| n-Butyl Acetate                    | 123-86-4   | 5.0                   | 50 ppm            | 150 ppm            | 150 ppm          | N.E.                 |
| 1,2,4-Trimethylbenzene             | 95-63-6    | 5.0                   | N.E.              | N.E.               | N.E.             | N.E.                 |
| Cumene                             | 98-82-8    | 1.0                   | 50 ppm            | N.E.               | 50 ppm           | 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.

**SKIN PROTECTION:** Use gloves to prevent prolonged skin contact. 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 information regarding personal protective equipment and its application. Refer to safety supervisor or industrial hygienist for further guidance regarding types of personal protective equipment and their applications.

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

**Engineering Measures for Combustible Dust:** No Information

## 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>        | 1.162               | <b>pH:</b>                                     | N.A.        |
| <b>Freeze Point, °C:</b>        | N.D.                | <b>Viscosity:</b>                              | 500 mPa.s   |
| <b>Solubility in Water:</b>     | Water Reactive      | <b>Partition Coefficient, n-octanol/water:</b> | N.D.        |
| <b>Decomposition Temp., °C:</b> | N.D.                | <b>Explosive Limits, vol%:</b>                 | N.A. - N.A. |
| <b>Boiling Range, °C:</b>       | 146 - 537           | <b>Flash Point, °C:</b>                        | 53          |
| <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).

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

**HAZARDOUS DECOMPOSITION:** 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:** Corrosive. Will cause eye burns and permanent tissue damage, including blindness. Substance causes moderate eye irritation.

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

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

**EFFECTS OF OVEREXPOSURE - INGESTION:** Irritating to the nose, throat and respiratory tract. Harmful if swallowed.

**EFFECTS OF OVEREXPOSURE - CHRONIC HAZARDS:** Overexposure may cause lung damage. Contains a Cobalt compound. IARC lists Cobalt and Cobalt compounds as as possible human carcinogens (group 2B). However, there is inadequate evidence of the carcinogenicity of cobalt and cobalt compounds in humans and limited evidence in experimental animals. 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.E.             | N.E.                | 18.5 mg/L Rat     |
| 64742-95-6     | Solvent Naphtha, Light Aromatic    | 8400 mg/kg Rat   | >2000 mg/kg Rabbit  | N.E.              |
| 123-86-4       | n-Butyl Acetate                    | 10768 mg/kg Rat  | >17600 mg/kg Rabbit | > 21 mg/L Rat     |
| 95-63-6        | 1,2,4-Trimethylbenzene             | 3280 mg/kg Rat   | >3160 mg/kg Rabbit  | 18 mg/L Rat       |
| 98-82-8        | Cumene                             | 1400 mg/kg Rat   | 10583 mg/kg Rabbit  | N.E.              |
| 822-06-0       | Hexamethylene Diisocyanate         | 738 mg/kg Rat    | 593 mg/kg Rabbit    | 0.06 mg/L Rat     |

N.E. - Not Established

## 12. Ecological Information

**ECOLOGICAL INFORMATION:** 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. Do not incinerate closed containers.

## 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 Related Material      | Paint related Material | Not Regulated       |
| Hazard Class:         | N.A.                    | 3                           | 3                      | N.A.                |
| Packing Group:        | N.A.                    | III                         | III                    | N.A.                |
| Limited Quantity:     | No                      | Yes                         | Yes                    | 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:

Flammable (gases, aerosols, liquids, or solids), Carcinogenicity, Acute Toxicity (any route of exposure), Respiratory or Skin Sensitization, Specific target organ toxicity (single or repeated exposure), Germ cell mutagenicity

#### 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> |
|----------------------------|----------------|
| 1,2,4-Trimethylbenzene     | 95-63-6        |
| 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: 2    Instability: 1

Volatile Organic Compounds    151 g/L

SDS REVISION DATE:    8/6/2018

### REASON FOR REVISION:

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

The manufacturer 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. The manufacturer 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.