

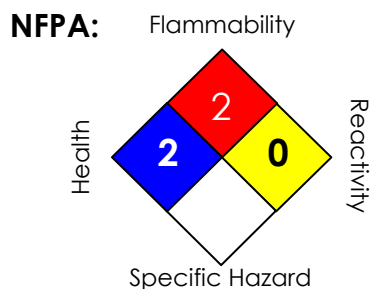
## Material Safety Data Sheet

### Rust Guard pt, qt or gallon

Version 1.2

Revision Date 11/15/2011

Print Date 12/07/2011



#### HMIS III:

<b>HEALTH</b>	<b>2*</b>
<b>FLAMMABILITY</b>	<b>2</b>
<b>PHYSICAL</b>	<b>0</b>

0 = Insignificant, 1 = Slight,  
2 = Moderate, 3 = High, 4 = Extreme

## SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Commercial Product Name : Rust Guard pt, qt or gallon

Product code : 089091905

MSDS-Identcode : 10042432

Product Use Description : technical preservative and anti-corrosion agent

Company : Wurth USA Inc.  
93 Grant St.  
07446 Ramsey, NJ  
USA

Telephone : +1 201 825 27 10

Telefax : +1 201 825 16 43

Responsible/issuing person : prodsafe.wurth@sap.com

Emergency telephone number : +1 800 255 3924

## SECTION 2. HAZARDS IDENTIFICATION

### Emergency Overview

**Regulatory status** : This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

**Signal Word** : WARNING

Form : liquid

Odour : aromatic

Odour - Control parameters : no data available

Hazard Summary : Combustible Liquid

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Irritant  
Sensitiser**Potential Health Effects**

Eyes : May cause eye irritation.

Skin : May cause skin irritation.  
May cause allergic skin reaction.

Inhalation : May cause allergic respiratory reaction.

Target Organs : Eyes  
Skin  
Central nervous systemCarcinogenicity:  
ACGIH : No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP : No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

IARC : No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

OSHA : No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

CA Prop 65 : This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

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**SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**

Component	CAS-No.	Weight percent- Weight percent
methylenediphenyl diisocyanate	26447-40-5	>= 45 - < 50

**SECTION 4. FIRST AID MEASURES**

- General advice : Symptoms of poisoning may only appear several hours later. Call a doctor immediately if allergic signs, particularly in the respiratory tract, are observed. In the case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). First aider needs to protect himself. Move out of dangerous area. Never give anything by mouth to an unconscious person. Take off contaminated clothing and shoes immediately.
- Inhalation : If breathed in, move person into fresh air. Call a physician immediately. Keep patient warm and at rest. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.
- Skin contact : Call a physician immediately. In case of contact, immediately flush skin with soap and plenty of water. Do NOT use solvents or thinners. Wash off with polyethylene glycol and afterwards with plenty of water.
- Eye contact : Protect unharmed eye. If easy to do, remove contact lens, if worn. In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- Ingestion : If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label. If a person vomits when lying on his back, place him in the recovery position.

**SECTION 5. FIREFIGHTING MEASURES**

- Form : liquid
- Flash point : 40 °C (104 °F)
- Lower explosion limit : 1.0 %(V)
- Upper explosion limit : 7.1 %(V)

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- |   |   |  |
|---|---|--|
| Suitable extinguishing media                  | : | Water spray jet<br>Alcohol-resistant foam<br>Dry chemical<br>Carbon dioxide (CO <sub>2</sub> )   |
| Specific hazards during firefighting          | : | Do not use a solid water stream as it may scatter and spread fire.<br>Hazardous decomposition products may be formed under fire conditions (see section 10).<br>Exposure to decomposition products may be a hazard to health.  |
| Special protective equipment for firefighters | : | In the event of fire, wear self-contained breathing apparatus.<br>Use personal protective equipment.   |
| Further information                           | : | Standard procedure for chemical fires.<br>Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.<br>In the event of fire and/or explosion do not breathe fumes.<br>Use water spray to cool unopened containers.<br>Collect contaminated fire extinguishing water separately. This must not be discharged into drains.<br>Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.<br>Pay attention to flashback. |

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**SECTION 6. ACCIDENTAL RELEASE MEASURES**

- |                      |   |   |
|----------------------|---|---|
| Personal precautions | : | Refer to protective measures listed in sections 7 and 8.<br>Use personal protective equipment.<br>Remove all sources of ignition.<br>Avoid contact with skin and eyes.<br>Ensure adequate ventilation, especially in confined areas.<br>Immediately evacuate personnel to safe areas.<br>Avoid inhalation of vapour or mist.<br>Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas. |
|----------------------|---|---|

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- Environmental precautions : Do not flush into surface water or sanitary sewer system. Prevent further leakage or spillage if safe to do so. If the product contaminates rivers and lakes or drains inform respective authorities.
- Methods for cleaning up : Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations. Do not flush with water. Clean contaminated surface thoroughly.

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**SECTION 7. HANDLING AND STORAGE****Handling**

- Handling : For personal protection see section 8. Use with local exhaust ventilation. Use only in well-ventilated areas. Do not breathe vapours or spray mist. Avoid contact with skin and eyes. Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. Take precautionary measures against static discharges. Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.
- Advice on protection against fire and explosion : Normal measures for preventive fire protection. Vapours are heavier than air and may spread along floors. Vapours may form explosive mixtures with air. Keep away from heat and sources of ignition. Do not smoke. No sparking tools should be used. Electrical equipment should be protected to the appropriate standard.
- Dust explosion class : not applicable

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**Storage**

- Requirements for storage areas and containers : Store in original container.  
Keep containers tightly closed in a dry, cool and well-ventilated place.  
Keep in a well-ventilated place.  
Keep away from heat.  
Keep away from direct sunlight.
- Advice on common storage : Keep away from food, drink and animal feedingstuffs.  
Keep away from oxidising agents, strongly acid or alkaline materials, as well as of amines, alcohols and water.  
Never allow product to get in contact with water during storage.
- Storage period : 6 - 24 Months
- Storage temperature : 10 - 27 °C (50 - 81 °F)
- Other data : No decomposition if stored and applied as directed.

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**SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION****Exposure Guidelines**

Contains no substances with occupational exposure limit values.

- Engineering measures : Provide sufficient air exchange and/or exhaust in work rooms.

- Eye protection : Tightly fitting safety goggles

- Hand protection  
Glove material : butyl-rubber

Choose gloves to protect hands against chemicals depending on the concentration and quantity of the hazardous substance and specific to place of work. For special applications, we recommend clarifying the resistance to chemicals of the aforementioned protective gloves with the glove manufacturer.

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- Skin and body protection : Flame retardant antistatic protective clothing  
Choose body protection according to the amount and concentration of the dangerous substance at the work place.
- Respiratory protection : When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.  
Respirator with combination filter for vapour/particulate (EN 141).  
Respirator with filter type A
- Hygiene measures : Handle in accordance with good industrial hygiene and safety practice.  
General industrial hygiene practice.  
Avoid breathing vapors, mist or gas.  
Avoid contact with skin, eyes and clothing.  
When using do not eat, drink or smoke.  
Wash hands before breaks and at the end of workday.  
Follow the skin protection plan.  
Take off all contaminated clothing immediately.  
Wash contaminated clothing before re-use.

**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

- Form : liquid  
Odour : aromatic  
Flash point : 40 °C (104 °F)
- Thermal decomposition : >204 °C (399 °F)
- Lower explosion limit : 1.0 %(V)
- Upper explosion limit : 7.1 %(V)
- Boiling point/boiling range : 111 °C(232 °F)
- Vapour pressure : no data available
- Relative vapour density : 4.5  
(Air = 1.0)
- Density : 1.6 g/cm3

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Water solubility	: insoluble
Viscosity, dynamic	: 200 - 500 mPa.s at 25 °C (77 °F)
Volatile organic compounds (VOC) content	: 26 %

**SECTION 10. STABILITY AND REACTIVITY**

Conditions to avoid	: Heat, flames and sparks.
Materials to avoid	: Oxidizing agents Water Alcohols Amines Strong bases Strong acids
Hazardous decomposition products	: Carbon oxides nitrogen oxides (NOx) Hydrogen cyanide (hydrocyanic acid) Isocyanates Build-up of dangerous/toxic fumes possible in cases of fire/high temperature.
Thermal decomposition	: >204 °C
Hazardous reactions	: Polymerisation can occur. Vapours may form explosive mixtures with air. Evolution of CO <sub>2</sub> in closed containers causes overpressure and produces a risk of bursting. Reacts violently with water. Mixture reacts slowly with water resulting in evolution of CO <sub>2</sub> .

**SECTION 11. TOXICOLOGICAL INFORMATION**

Carcinogenicity	: No data is available on the product itself.
Reproductive toxicity	: No data is available on the product itself.
Teratogenicity	: No data is available on the product itself.
Further information	: Even the smallest quantities that enter into the lung due to swallowing or subsequent vomiting can lead to a



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pulmonary oedema or pneumonia.  
Persons allergic to isocyanates, and particularly those suffering from asthma or other respiratory conditions, should not work with isocyanates.  
Aspiration hazard if swallowed - can enter lungs and cause damage.

**Component:**methylenediphenyl  
diisocyanate

26447-40-5

Acute oral toxicity: LD50 rat  
Dose: 4,300 mg/kgAcute dermal toxicity: LD50 rat  
Dose: > 2,150 mg/kgAcute inhalation toxicity: LC50 rat  
Dose: 8.5 mg/l Exposure time: 4 hSkin irritation: Classification: Irritating to skin.  
Result: Skin irritationEye irritation: Classification: Irritating to eyes.  
Result: Eye irritationSensitisation: May cause sensitization by inhalation.  
May cause sensitization by skin contact.**SECTION 12. ECOLOGICAL INFORMATION**Volatile organic  
compounds (VOC)  
content : 26 %Additional ecological  
information : The product should not be allowed to enter drains, water  
courses or the soil.**SECTION 13. DISPOSAL CONSIDERATIONS**Adequate disposal : In accordance with local and national regulations.  
Do not dispose of waste into sewer.  
Do not dispose of together with household waste.**SECTION 14. TRANSPORT INFORMATION**

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**DOT 49 CFR**

ID No : UN 1263  
Proper shipping name : Paint  
Class : 3  
Packing group : III  
Labels : 3  
Emergency Response : 128  
Guidebook Number

**TDGR**

ID No : UN 1263  
Proper shipping name : PAINT  
Class : 3  
Packing group : III  
Labels : 3

**ICAO/IATA-DGR**

ID No : UN 1263  
Proper shipping name : Paint  
Class : 3  
Packaging group : III  
ICAO-Labels : 3  
Packing instruction (cargo aircraft) : 366  
Packing instruction (passenger aircraft) : 355  
Packing instruction (passenger aircraft) : Y344  
Environmentally hazardous : no

**IMDG-Code**

ID No : UN 1263  
Description of the goods : PAINT  
  
Class : 3  
Packaging group : III  
IMDG-Labels : 3  
EmS Number 1 : F-E  
EmS Number 2 : S-E  
  
Marine pollutant : no

**SECTION 15. REGULATORY INFORMATION**

**OSHA Hazards** : Combustible Liquid

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Respiratory sensitiser  
Skin sensitiser  
Moderate skin irritant  
Moderate eye irritant

**SARA 311/312 Hazards** : Fire Hazard  
Acute Health Hazard

**EPCRA\_313** US. EPA Emergency Planning and Community Right-To-Know Act (EPCRA) SARA Title III Section 313 Toxic Chemicals (40 CFR 372.65) - Supplier Notification Required

SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

**EPCRA\_302** US. EPA Emergency Planning and Community Right-To-Know Act (EPCRA) SARA Title III Section 302 Extremely Hazardous Substance (40 CFR 355, Appendix A)

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

**PENN RTK** US. Pennsylvania Worker and Community Right-to-Know Law (34 Pa. Code Chap. 301-323)

<u>Components</u>	<u>CAS-No.</u>
methylenediphenyl diisocyanate	26447-40-5
Naphtha (petroleum), heavy coker; Kerosine - unspecified	68333-23-3
Resin with pigments and extenders	

**MASS RTK** US. Massachusetts Commonwealth's Right-to-Know Law (Appendix A to 105 Code of Massachusetts Regulations Section 670.000)

No components are subject to the Massachusetts Right to Know Act.

**NJ RTK** US. New Jersey Worker and Community Right-to-Know Act (New Jersey Statute Annotated Section 34:5A-5)

<u>Components</u>	<u>CAS-No.</u>
methylenediphenyl diisocyanate	26447-40-5
Naphtha (petroleum), heavy coker; Kerosine - unspecified	68333-23-3
additive	
Resin with pigments and extenders	

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**SECTION 16. OTHER INFORMATION****Further information**

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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Revision Date : 11/15/2011

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