



Material Safety Data Sheet
(in compliance with 29 CFR 1910.1200)
Identity: STANGARD® TMQ POWDER

Page 1 of 5

Section 1 – Preparation / Product Information

Manufactured for and supplied by: **Harwick Standard Distribution Corporation**
60 South Seiberling Street
P.O. Box 9360
Akron, OH 44305-0360

Telephone no: **(330) 798-9300**

Date prepared: **April 30, 2010**

Preparer: **Health, Safety & Environment**

Product use: Antioxidant

Section 2– Ingredients / Identity Information

Components Chemical identity/CAS#	Exposure limits			Toxicity LD50/LC50	Amount %
	PEL	TLV	OTHER		
2,2,4-Trimethyl-1,2-dihydroquinoline CAS# 26780-96-1				LD50 rat/oral 3190 mg/kg	≥99

Section 3 – Physical / Chemical Characteristics

Boiling point: 300+°C

Freezing point: Not Determined

Vapor pressure (mm Hg): Not Determined

Vapor density (AIR=1): Not Determined

Solubility in water: Negligible

Appearance (physical state) and odor: Amber colored flake or bead. Tan powder. Mild odor.

Specific gravity: 1.1 @ 20° C

pH: Not Determined

Odor threshold (ppm): Not Determined

Coef. water/oil dist.: Not Determined

Evaporation rate: Not Determined

Section 4 – Fire and Explosion Hazard Data

Flash point (method): 525-540°F (COC)

Extinguishing media: Water spray, CO₂, foam, dry chemical.

General Hazard: If heated above its flashpoint in the presence of air, product can support combustion.

Special fire fighting procedures: Wear self-contained breathing apparatus. Fire fighters should wear full protective clothing. Fight fire from a safe distance and from a protected location.

The information and recommendations contained herein are based upon data that are believed to be accurate and reliable. Application and performance information are provided only as a guide, since the conditions of use are beyond the control of Harwick Standard Distribution Corporation. Consequently, Harwick Standard makes no warranties, express or implied, with respect to the goods or use of the goods or the performance of the goods and makes no warranties of fitness for a particular purpose or merchantability. Buyer acknowledges that Harwick Standard will not be liable for consequential, incidental, direct or special damages arising, directly or indirectly, in respect to such goods or the use or failure thereof, whether based on breach of warranty, negligence, strict liability in tort or otherwise.



Unusual fire and explosion hazards: Toxic emissions may result if product is involved in a fire.

Special Exposure hazards: Fight fire from a safe distance and from a protected location. Use water spray to cool fire exposed surfaces. Decomposition in fire may produce toxic gases. Do not allow runoff to enter waterways.

HMIS rating: 1

Hazardous combustion products: Acid dense smoke with carbon dioxide, carbon monoxide, oxides of sulfur and water.

Section 5 – Reactivity Data

Stability **Stable:**
 Unstable:

Conditions to avoid (conditions of reactivity): Avoid ignition sources. Keep away from heat, flame, sparks and static discharge. Avoid contact with strong oxidants such as liquid chlorine and concentrated oxygen. Heat.

Hazardous decomposition or byproducts: Carbon dioxide, carbon monoxide, oxides of sulfur and water.

Hazardous polymerization **May occur:**
 Will not occur:

Materials to avoid: Contact with oxidizing agents. Nitric acid

HMIS rating: 0

Section 6 – Health Hazard Data

Primary routes of exposure

Inhalation **Skin contact** **Eye contact**
Skin absorption **Ingestion**

Emergency Overview: WARNING! Combustible dust - explosion potential. May irritate the eyes. May irritate the skin. May cause allergic skin reaction. Repeated or prolonged skin contact may cause skin irritation or skin sensitization. Molten product will cause burns to skin.

The information and recommendations contained herein are based upon data that are believed to be accurate and reliable. Application and performance information are provided only as a guide, since the conditions of use are beyond the control of Harwick Standard Distribution Corporation. Consequently, Harwick Standard makes no warranties, express or implied, with respect to the goods or use of the goods or the performance of the goods and makes no warranties of fitness for a particular purpose or merchantability. Buyer acknowledges that Harwick Standard will not be liable for consequential, incidental, direct or special damages arising, directly or indirectly, in respect to such goods or the use or failure thereof, whether based on breach of warranty, negligence, strict liability in tort or otherwise.



Carcinogenicity

NTP

IARC

OSHA

Signs and symptoms of exposure: See Health Hazards above.

Medical conditions generally aggravated by exposure: Pulmonary disorders. Dermal ailments. Repeated or prolonged skin contact may cause skin irritation or skin sensitization

HMIS rating: 1

Section 7 – First Aid Measures

Emergency and first aid procedures

Inhalation: Move to fresh air. If not breathing, give artificial respiration. Keep patient warm. Consult a physician.

Ingestion: If ingested call a physician immediately. Only induce vomiting at the instruction of a physician. Never give anything by mouth to an unconscious person.

Skin contact: Remove contaminated clothing and launder before reuse. Immediately wash with soap and water and rinse thoroughly. Consult a physician. If molten product contacts skin, cool under a running stream of water. Do not attempt to remove the material from the skin. Removal could result in skin damage. Seek medical attention.

Eye contact: Immediately flush with plenty of water & lift eyelids to ensure thorough flushing for 15 minutes. If irritation develops, consult a physician. If molten product contacts eye, irrigate with water for 15 minutes and seek medical attention immediately.

Notes to Physician: Material should not be forcibly pulled from skin. Mineral oil may be used to loosen the material, then provide treatment for thermal burn. If burn is present, treat as any thermal burn.

The information and recommendations contained herein are based upon data that are believed to be accurate and reliable. Application and performance information are provided only as a guide, since the conditions of use are beyond the control of Harwick Standard Distribution Corporation. Consequently, Harwick Standard makes no warranties, express or implied, with respect to the goods or use of the goods or the performance of the goods and makes no warranties of fitness for a particular purpose or merchantability. Buyer acknowledges that Harwick Standard will not be liable for consequential, incidental, direct or special damages arising, directly or indirectly, in respect to such goods or the use or failure thereof, whether based on breach of warranty, negligence, strict liability in tort or otherwise.



Material Safety Data Sheet
(in compliance with 29 CFR 1910.1200)
Identity: STANGARD® TMQ POWDER

Page 4 of 5

Section 8 – Precautions for Safe Handling and Use

Steps to be taken in case material is released or spilled: Avoid dust generation. Wear protective equipment. Scoop and place into closable container for disposal. Isolate area and remove sources of friction, impact, heat, low level electrical current, and RF energy. Isolate spill and stop leak where safe. Remove ignition sources and work with non-sparking tools. Scoop up and remove. Do NOT spread spilled product with water.

Waste disposal method: In accordance with federal, state, and local regulations. Refer to Section 10.

Precautions to be taken in handling and storing: Avoid generating or breathing dust. Prevent dust accumulation. Avoid ignition sources such as sparks and flame. Avoid contact with eyes, skin and clothing. Close containers of unused product. Wash hands before eating, drinking, and chewing gum, using tobacco or using the toilet. Do not reuse this container. Work clothes should be washed separately at the end of the workday. Disposable clothing should be discarded with material. Store closed containers in a cool, dry, well-ventilated area. Store away from strong acids. Store away from strong oxidizing agents. Avoid high temperatures. Avoid exposure to direct sunlight. Do not double stack.

Other precautions: Avoid contact with eyes, skin, and clothing.

Section 9 – Control Measures

Respiratory protection (specify type): A NIOSH/MSHA approved respirator above PEL or TLV or as necessary.

Ventilation

Local exhaust: Recommended to minimize exposure.
Mechanical (general): Recommended to minimize exposure.

Protective gloves: Chemical resistant protective gloves

Eye protection: Safety glasses or goggles

Other protective clothing or equipment: Work coveralls, eyewash station and safety shower, long sleeves, boots.

Work/hygienic practices: Wash thoroughly after handling and before eating, drinking, smoking or using toilet facilities. Observe good personal hygiene.

The information and recommendations contained herein are based upon data that are believed to be accurate and reliable. Application and performance information are provided only as a guide, since the conditions of use are beyond the control of Harwick Standard Distribution Corporation. Consequently, Harwick Standard makes no warranties, express or implied, with respect to the goods or use of the goods or the performance of the goods and makes no warranties of fitness for a particular purpose or merchantability. Buyer acknowledges that Harwick Standard will not be liable for consequential, incidental, direct or special damages arising, directly or indirectly, in respect to such goods or the use or failure thereof, whether based on breach of warranty, negligence, strict liability in tort or otherwise.



Material Safety Data Sheet
(in compliance with 29 CFR 1910.1200)
Identity: STANGARD® TMQ POWDER

Page 5 of 5

Section 10 – Additional Information

Special shipping information: Not DOT regulated.

TSCA Inventory Status:
Chemical components are listed on the TSCA inventory.

Sara title III

This product contains the following toxic chemical(s) subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986 and of 40 CFR 372:

None known

RCRA status

The following chemical components are listed under (40 CFR 261):

Not a RCRA waste

EPA Hazard Categories (SARA 311, 312): None known.

The information and recommendations contained herein are based upon data that are believed to be accurate and reliable. Application and performance information are provided only as a guide, since the conditions of use are beyond the control of Harwick Standard Distribution Corporation. Consequently, Harwick Standard makes no warranties, express or implied, with respect to the goods or use of the goods or the performance of the goods and makes no warranties of fitness for a particular purpose or merchantability. Buyer acknowledges that Harwick Standard will not be liable for consequential, incidental, direct or special damages arising, directly or indirectly, in respect to such goods or the use or failure thereof, whether based on breach of warranty, negligence, strict liability in tort or otherwise.