SAFETY DATA SHEET

YANTQ® TBHQ

YASHO INDUSTRIES LIMITED

Revision No.: 02 | Date: 15.04.2018

1. IDENTIFICATION

Product: YANTQ® TBHQ

Chemical name: 2-tertiary butylhydroquinone

IUPAC: 2-(1,1-dimethylethyl)-1,4-benzenediol

CAS No.: 1948-33-0 | EC No.: 217-752-2

Uses: Antioxidant for edible oils, confectionery, meat products and citrus oils; polymerisation inhibitor for resins and unsaturated polyester.

Manufacturer: YASHO INDUSTRIES LIMITED, Mumbai, India. Manufacturing site: Plot No. 2514 & 2515, Phase IV, GIDC, Vapi-396195, Gujarat, India.

Emergency telephone: +91-9820644645 (24 hours).

2. HAZARDS IDENTIFICATION

Signal word: Warning.

H302 Harmful if swallowed. H312 Harmful in contact with skin. H315 Causes skin irritation. H317 May cause an allergic skin reaction. H319 Causes serious eye irritation.

3. COMPOSITION

2-tert-butyl hydroquinone, CAS 1948-33-0, minimum 99% by weight.

4. FIRST AID

Inhalation: move victim to a well-ventilated area and seek medical attention.

Skin: wash immediately with soap and plenty of water for 15 minutes; remove contaminated clothing.

Eyes: flush with plenty of water; remove contact lenses if easy; seek medical aid if irritation persists.

Ingestion: do not induce vomiting; seek medical attention if symptoms persist.

5. FIRE FIGHTING

Suitable extinguishing media: dry chemical powder. Do not use water jet. Fine dust clouds may form explosive mixtures with air. Wear full protective equipment including respiratory protection.

6. ACCIDENTAL RELEASE

Wear appropriate PPE, ensure ventilation, remove ignition sources and avoid dust. Prevent entry into waterways and sewers. Collect with inert material such as dry sand or earth and place in labelled chemical-waste container.

7. HANDLING AND STORAGE

Avoid skin/eye contact. Use suitable respiratory protection where ventilation is insufficient. Keep away from flames, hot surfaces and ignition sources. Store tightly closed in a cool, dry, well-ventilated area. Do not store near acids.

8. EXPOSURE / PPE

Dust safety masks are recommended when dust concentration exceeds 10 mg/m³. Use chemical-resistant gloves, safety goggles, protective clothing and suitable respiratory protection.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: white to light tan crystalline powder.

Melting point: 126.5–128.5 °C. Density at 30 °C: 0.806 g/cm³. Boiling point at 960 hPa: 107 °C. Vapour pressure at 25 °C: 0.00112 mmHg. Flash point at 960 hPa: 91 °C. pH at 25 °C: 4.56. Log Pow at 30 °C: 1.929.

10. STABILITY AND REACTIVITY

Stable under normal conditions. Avoid dust creation and ignition sources. Incompatible with peroxides, strong oxidising agents, metals and strong bases. Thermal decomposition may release carbon monoxide and carbon dioxide.

11. TOXICOLOGICAL INFORMATION

Acute toxicity: no adverse effects observed in the assessment stated in the source SDS. Irritation assessment: non-irritant. No data available for several endpoints including sensitisation, carcinogenicity and STOT.

12. ECOLOGICAL INFORMATION

Aquatic toxicity assessment: no adverse effects observed. Not readily biodegradable. Bioaccumulative potential and mobility in soil: not available. No known significant effects or critical hazards.

13. DISPOSAL

Dispose of residual waste, contaminated containers and packaging in accordance with applicable laws, regulations and local standards. Do not discharge into public waters or bury directly.

14. TRANSPORT

UN number: Not regulated. UN proper shipping name, transport hazard class and packing group: Not applicable. Environmental hazards: Not applicable.

15. REGULATORY INFORMATION

Refer to Section 2 for hazard statements. Employment restrictions concerning juveniles must be observed. Chemical safety assessment: no data available.

16. OTHER INFORMATION

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