# Material Safety Data Sheet

**BUTYLATED HYDROXY TOLUENE B.H.T** (RXSOL-60-6604-121)

## 1. Product and Company Identifaction

| | |
|---|---|
| Product Name | **RXSOL-60-6604-121** |
| Product Type | BUTYLATED HYDROXY TOLUENE (B.H.T.) |
| Revised date | |

**Company Details:**

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## 2. Composition / informationon ingredients

**Substance / Preparation :** Butylated hydroxytoluene
CAS No :128-37-0
Substance : Contains no other components or impurities which will influence the classification of the product.

## 3. Hazards Identification

### 3.1. Classification of the substance or mixture

**Classification EC 67/548 or EC 1999/45**
**Classification :** Xn; R22
Xi; R36/38
N; R51-53
**Hazard Class and Category Code(s), Regulation (EC) No 1272/2008 (CLP)**
**Health hazards :** Eye irritation - Category 2A - Warning (CLP : Eye Irrit. 2) H319
Acute toxicity, Oral - Category 4 - Warning (CLP : Acute Tox. 4) H302
Skin irritation - Category 2 - Warning (CLP : Skin Corr. 2) H315
**Environmental hazards :** Hazardous to the aquatic environment - Chronic hazard - Category 2 (CLP : Aquatic Chronic 2) H411

### 3.2. Label elements

**Symbol(s) :** Xn : Harmful
N : Dangerous for the environment
**R Phrase(s) :** R22 : Harmful if swallowed.
R36/38 : Irritating to eyes and skin. R51/53 : Toxic to aquatic organisms, may cause long-term adverse effects in the
aquatic environment.
**S Phrase(s) :** S26 : In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S61 : Avoid release to the environment. Refer to special instructions/Safety data sheets.
**Labelling Regulation EC 1272/2008 (CLP)**

**Hazard pictograms**



**Signal words : Warning**
**Hazard statements :** H302 : Harmful if swallowed.
H319 : Causes serious eye irritation.
H315 : Causes skin irritation.
H411 : Toxic to aquatic life with long lasting effects.
**Precautionary statements**
• **Prevention :** P280: Wear protective gloves, protective clothing, eye protection, face protection.
P273: Avoid release to the environment.
P264: Wash thoroughly after handling.
P270: Do not eat, drink or smoke when using this product.
• **Response :** P302+P352: IF ON SKIN : Wash with plenty of soap and water.
P301+P312: IF SWALLOWED : Call a POISON CENTER or doctor if you feel unwell.
P332+P313: If skin irritation occurs : Get medical advice.
P391: Collect spillage.
P305+P351+P338: IF IN EYES : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P363: Wash contaminated clothing before reuse.
• **Disposal considerations :** P501: Dispose of this material and its container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.
**3.3. Other hazards**
**Other hazards :** The substance does not fulfil the criteria to be identified as PBT substance or vPvB substance according to Annex XIII of Regulation REACH.

## 4. First Aid Measures

**4.1. Description of first aid measures**
**Inhalation :** Assure fresh air breathing. Allow the victim to rest.
**Skin contact :** Wash contaminated clothing before reuse. Wash with plenty of soap and water. If skin irritation occurs : Get medical advice. Specific treatment (see on this label).
**Eye contact :** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists : Get medical advice.
**Ingestion :** Obtain emergency medical attention. Call a POISON CENTER or doctor if you feel unwell. Do NOT induce vomiting. Rinse mouth.
**4.2. Most important symptoms and effects, both acute and delayed**
**Symptoms relating to use :** Swallowing a small quantity of this material will result in serious health hazard. Causes serious eye irritation.Causes skin irritation.
**4.3. Indication of any immediate medical attention and special treatment needed**
**General information :** Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

## 5. Fire-fighting Measures

**5.1. Extinguishing media Suitable**
**extinguishing media :** Foam. Dry powder. Carbon dioxide. Water spray. Sand.
**Unsuitable extinguishing media :** Do not use a heavy water stream.
**Surrounding fires :** Use water spray or fog for cooling exposed containers.
**5.2. Special hazards arising from the substance or mixture**
**Hazardous combustion products :** Under fire conditions, hazardous fumes will be present.
**5.3. Advice for fire-fighters**
**Protection against fire :** Do not enter fire area without proper protective equipment, including respiratory protection.
**Special procedures :** Exercise caution when fighting any chemical fire. Avoid (reject) fire-fighting water to enter environment.

## 6. Accidental Release Measures

**6.1. Personal precautions, protective equipment and emergency procedures**
**For emergency responders :** Equip cleanup crew with proper protection.
Ventilate area.
**For non-emergency personnel :** Evacuate unnecessary personnel.
**6.2. Environmental precautions**
**Environmental precautions :** Prevent entry to sewers and public waters. Notify authorities if product enters sewers or public waters. Avoid release to the environment.
**6.3. Methods and material for containment and cleaning up**
**Clean up methods :** Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.
**6.4. Reference to other sections**
See section 8. Exposure controls/personal protection

## 7. Handling and Storage

**7.1. Precautions for safe handling**
**Handling :** Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Wash thoroughly after handling.
**Technical protective measures :** Provide good ventilation in process area to prevent formation of vapour.
**7.2. Conditions for safe storage, including any incompatibilities**
**Storage :** Keep only in the original container in a cool, well ventilated place. Keep container closed when not in use.
**Storage - away from :** Strong bases. Strong acids. Sources of ignition. Direct sunlight.
**7.3. Specific end use(s)**
**Specific end use(s) :** None.

## 8. Exposure controls and personal protection

**8.1. Exposure controls**
**Personal protection :** Avoid all unnecessary exposure.
• **Respiratory protection :** Wear approved mask.
• **Hand protection :** Wear protective gloves.
• **Skin protection :** Wear suitable protective clothing.
• **Eye protection :** Chemical goggles or safety glasses.

• **Others :** When using, do not eat, drink or smoke.
**8.2. Control parameters**
**Occupational Exposure Limits :** No data available.

## 9. Physical and chemical properties

**9.1. Information on basic physical and chemical properties**
**Physical state at 20 °C :** Solid.
**Odour :** Characteristic odour
**Odour threshold :** No data available.
**pH value :** No data available.
**Melting point [°C] :** 68 - 71 °C
**Decomposition point [°C] :** N/A
**Critical temperature [°C] :** N/A
**Auto-ignition temperature [°C] :** 470 °C
**Flammability (solid, gas) :** N/A
**Flash point [°C] :** 127°C
**Boiling point [°C] :** 265 °C
**Initial boiling point [°C] :** N/A
**Final boiling point [°C] :** N/A
**Evaporation rate :** N/A
**Vapour pressure [20°C] :** 0.01 mm Hg @ 200C
**Vapour pressure mm/Hg :** 0.01 mm Hg @ 200C
**Vapour density :** 7.6
**Density [g/cm3] :** 1.048
**Relative density, gas (air=1) :** N/A
**Relative density, liquid (water=1) :** N/A
**Solubility in water [% weight] :** Insoluble in water
**Solubility in water :** N/A
**Log Pow octanol / water at 20°C :** No data available.
**Solubility :** N/A
**Viscosity at 40°C [mm2/s] :** N/A
**9.2. Other information**
**Explosive properties :** N/A
**Explosion limits - upper [%] :** N/A
**Explosion limits - lower [%] :** N/A
**Oxidising properties :** No data available.

## 10. Stability and reactivity

**10.1. Reactivity**
**Reactivity :** Not established.
**10.2. Chemical stability**
**Chemical stability :** Stable under recommended storage conditions.
**10.3. Possibility of hazardous**
**reactions Hazardous reactions :** Not established.
**10.4. Conditions to avoid**
**Conditions to avoid :** Direct sunlight. Extremely high or low temperatures.
**10.5. Incompatible materials**
**Materials to avoid :** Strong acids. Strong bases.
**10.6. Hazardous decomposition products**

**Hazardous decomposition products :** Fumes. Carbon monoxide. Carbon dioxide.

## 11. Toxicological information

**11.1. Information on toxicological effects**
**Acute toxicity**
• **Inhalation :** Based on available data, the classification criteria are not met.
• **Dermal :** Based on available data, the classification criteria are not met.
• **Ingestion :** Harmful if swallowed.
**Corrosion :** Based on available data, the classification criteria are not met.
**Irritation :** Causes serious eye irritation.
Causes skin irritation.
**Sensitization :** Based on available data, the classification criteria are not met.
**Mutagenicity :** Based on available data, the classification criteria are not met.
**Carcinogenicity :** Based on available data, the classification criteria are not met.
**Toxic for reproduction :** Based on available data, the classification criteria are not met.
**STOT-single exposure :** Based on available data, the classification criteria are not met.
**STOT-repeated exposure :** Based on available data, the classification criteria are not met.
**Aspiration hazard :** Based on available data, the classification criteria are not met.

## 12. Ecological information

**12.1. Toxicity**
**Toxicity information :** Toxic to aquatic life with long lasting effects.
**12.2. Persistence - degradability**
**Persistence - degradability :** May cause long-term adverse effects in the environment.
**12.3. Bioaccumulative potential**
**Bioaccumulative potential :** Not established.
**12.4. Mobility in soil**
**Mobility in soil :** Not established.
**12.5. Results of PBT and vPvB assessment**
**Results of PBT and vPvB assessment :** The substance does not fulfil the criteria to be identified as PBT substance or vPvB substance according to Annex XIII of Regulation REACH.
**12.6. Other adverse effects**
**Environmental precautions :** Avoid release to the environment.

## 13. Disposal considerations

**13.1. Waste treatment methods**
**General :** Avoid release to the environment. Dispose in a safe manner in accordance with local/national regulations.
Dispose of this material and its container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation

## 14. Transport information

**14.1. Land transport (ADR-RID)**
**General information :** Not regulated.

**14.2. Sea transport (IMDG) [English only]**
**General information :** Not regulated.
**14.3. Air transport (ICAO-IATA) [English only]**
**General information :** Not regulated.

## 15. Regulatory information

**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**
**Safety, health and environmental :** Ensure all national/local regulations are observed.
**regulations/legislation specific for the substance or mixture**
**REACH Restrictions - Annex XVII :** The components of this product are not subject to restrictions.
**REACH Authorisation - Annex XIV :** The components of this product are not subject to authorization.
**15.2. Chemical Safety Assessment**
**Chemical Safety Assessment :** It has not been carried out.

## 16. Other information

**Abbreviations and acronyms :** PBT: persistent, bioaccumulative and toxic.
vPvB: very persistent and very bioaccumulative
**Sources of key data used :** REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006
**Further information :** None.
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