

Sovchem[®] TMQ

| 1. CHEMICAL PRODUCT & COMPANY IDENTIFICATION | |
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| Manufacturer Sovereign Chemical Company 4040 Embassy Parkway, Suite 190 Akron, OH 44333 | Emergency Contact Chemtrec: 1-800-424-9300 (USA) (1)330-542-8400 (outside USA) |
| Trade Name(s): Sovchem [®] TMQ Flakes, Granules, Powder, Prills, Pastilles, Sovchem [®] TMQ HP | Chemical Name: Quinoline, 1,2-dihydro-2,2,4-trimethyl, homopolymer |
| Relevant identified uses of the substance or mixture and uses advised against: No further relevant information available. | Application of the substance/the preparation: Chemical for synthesis. |
| Issued By: Sovereign Chemical Company According to 1907/2006/EC (REACH), 1272/2008/EC (CLP), and GHS | Date of Issue: May 1, 2023 |

| 2. HAZARDS IDENTIFICATION |
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| 2.1 Classification of the substance or mixture Information in accordance with US 29 CFR 1910.1200 (Hazcom 2012) and Regulation (EC) No 1272/2008 The substance is not classified according to the Globally Harmonized System (GHS). The substance is not classified according to the CLP regulation. Information concerning hazards for human and environment: Not applicable. |
| 2.2 Label elements Hazard pictograms: N/A Signal word: N/A Hazard statements: N/A |
| 2.3 Other hazards Results of PBT and vPvB assessment PBT: Not applicable. vPvB: Not applicable. |

| 3. COMPOSITION/INFORMATION ON INGREDIENTS | | | | |
|---|------------|-----------|----------|----------------|
| 3.1 Substance | | | | |
| Chemical Name | CAS No | EC No | Weight % | Classification |
| 2, 2, 4-trimethyl-1, 2-dihydroquinoline polymer | 26780-96-1 | 500-051-3 | ≥97% | N/A |

The remaining unspecified ingredients are impurities and are not hazardous.

4. FIRST AID MEASURES

4.1 Description of first aid measures

General information: No special measures required.

After inhalation: Supply fresh air; consult doctor in case of complaints.

After skin contact

Clean with water and soap.

If skin irritation continues, consult a doctor.

After eye contact

Remove contact lenses if worn.

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

After swallowing

Rinse out mouth and then drink plenty of water.

Do not induce vomiting; call for medical help immediately.

4.2 Most important symptoms and effects, both acute and delayed: Gastric or intestinal disorders

Hazards: No further relevant information available.

4.3 Indication of any immediate medical attention and special treatment needed: Treat skin and mucous membrane with antihistamine and corticoid preparations.

5. FIRE FIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing agents

Fire-extinguishing powder

Foam

Carbon dioxide

Gaseous extinguishing agents

Water haze or fog

For safety reasons, unsuitable extinguishing agents: Water with full jet

5.2 Special hazards arising from the substance or mixture: No further relevant information available.

5.3 Advice for firefighters

Protective equipment

Wear self-contained respiratory protective device.

Wear fully protective suit.

Additional information: No further relevant information available.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Wear protective equipment. Keep unprotected persons away.

Ensure adequate ventilation.

Avoid formation of dust.

6.2 Environmental precautions: Do not allow to enter sewers/ surface or ground water.

6.3 Methods and material for containment and cleaning up

Pick up mechanically.

Send for recovery or disposal in suitable receptacles.

6.4 Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Prevent formation of dust.

Ensure good ventilation/exhaustion at the workplace.

Information about fire and explosion protection: No special measures required.

7.2 Conditions for safe storage, including any incompatibilities

Storage

Requirements to be met by storerooms and receptacles

Store in a cool location.

Avoid storage near extreme heat, ignition sources or open flame.

Information about storage in one common storage facility

Store away from foodstuffs.

Store away from oxidizing agents.

Further information about storage conditions

Store in cool, dry conditions in well-sealed receptacles.

Store receptacle in a well-ventilated area.

7.3 Specific end use(s): No further relevant information available.

8. EXPOSURE CONTROLS - PERSONAL PROTECTION

Additional information about design of technical facilities: No further data; see item 7.

8.1 Control parameters

Ingredients with limit values that require monitoring at the workplace

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

DNELs: No further relevant information available.

PNECs: No further relevant information available.

Additional information: The lists valid during the making were used as basis.

8.2 Exposure controls

Personal protective equipment

General protective and hygienic measures

Wash hands before breaks and at the end of work.

Do not inhale dust / smoke / mist.

Avoid close or long-term contact with the skin.

Avoid contact with the eyes.

Vacuum clean contaminated clothing. Do not blow or brush off contamination.

Respiratory protection

Not required under normal conditions of use.

Use suitable respiratory protective device when high concentrations are present.

Protection of hands

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.

Material of gloves

Neoprene gloves

Nitrile rubber, NBR

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

Penetration time of glove material:

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye protection



Safety glasses

Body protection: Light weight protective clothing.

Limitation and supervision of exposure into the environment: No further relevant information available.

Risk management measures

See Section 7 for additional information.

No further relevant information available.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

General Information

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| Appearance Form: Granulate, Powder, Prills. Color: Amber. | Change in Condition Melting Point/Melting Range: Undetermined. Boiling Point/Boiling Range: Undetermined. |
| Odor: Characteristic. | Octanol/Water Partition Coefficient: Not determined. |
| Odor threshold: Not determined. | pH Value: Not applicable. |
| Vapor pressure: Not applicable. | Flash point: Not applicable. |
| Density at 20 °C: 1.05 g/cm ³ . | Flammability (solid, gaseous): Product is not flammable. |
| Relative density: Not determined. | Ignition temperature: Not determined. |
| Vapor density: Not applicable. | Decomposition temperature: Not determined. |
| Evaporation rate: Not applicable. | Self-igniting: Not determined. |
| Solubility in / Miscibility with water: Insoluble. | Danger of explosion: Product does not present an explosion hazard. |
| Viscosity Dynamic: Not applicable. Kinematic: Not applicable. Organic solvents: Not determined. | Explosion limits Lower: Not determined. Upper: Not determined. |
| Solids content: Not determined. | |

9.2 Other information: No further relevant information available.

10. STABILITY AND REACTIVITY

10.1 Reactivity

10.2 Chemical stability

Thermal decomposition/conditions to be avoided: No decomposition if used and stored according to specifications.

10.3 Possibility of hazardous reactions

Reacts with strong oxidizing agents.

As the product is supplied it is not capable of dust explosion; however, enrichment with fine dust causes risk of dust explosion.

10.4 Conditions to avoid

Keep away from heat and direct sunlight.

Store away from oxidizing agents.

10.5 Incompatible materials: No further relevant information available.

10.6 Hazardous decomposition products

Carbon monoxide and carbon dioxide

Nitrogen oxides

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity

Primary irritant effect

On the skin: Slight irritant effect on skin and mucous membranes.

On the eye: Slight irritant effect on eyes.

Sensitization: No sensitizing effects known.

12. ECOLOGICAL INFORMATION

12.1 Toxicity

Aquatic toxicity: No further relevant information available.

12.2 Persistence and degradability: Not easily biodegradable.

12.3 Bioaccumulative potential: No further relevant information available.

12.4 Mobility in soil: No further relevant information available.

Ecotoxicological effects

Remark: Due to mechanical actions of the product (e.g. agglutinations) damages may occur.

Additional ecological information

General notes

This statement was deduced from products with a similar structure or composition.

Avoid transfer into the environment.

Due to available data on eliminability/decomposition and bioaccumulation potential prolonged term damage of the environment cannot be excluded.

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

12.5 Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

12.6 Other adverse effects: No further relevant information available.

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Recommendation

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

Can be

burned with household garbage after consulting with the waste disposal facility operator and the pertinent authorities and adhering to the necessary technical regulations.

Un-cleaned packaging

Recommendation: Disposal must be made according to official regulations.

14. TRANSPORTATION INFORMATION

14.1 UN-Number

DOT, ADR, ADN, IMDG, IATA N/A

14.2 UN proper shipping name:

DOT, ADR, ADN, IMDG, IATA N/A

14.3 Transport hazard class(es)

DOT, ADR, ADN, IMDG, IATA
Class N/A

14.4 Packing group

DOT, ADR, IMDG, IATA N/A

14.5 Environmental hazards

Marine pollutant No

14.6 Special precautions for user

Not applicable.

14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: Not applicable.

UN "Model Regulation" -

15. REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

United States (USA)

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| SARA Section 355 (extremely hazardous substances) | Substance is not listed. |
| SARA Section 313 (Specific toxic chemical listings) | Substance is not listed. |
| TSCA (Toxic Substances Control Act) | Substance is listed. |
| Proposition 65 (California) | |
| Chemicals known to cause cancer | Substance is not listed. |
| Chemicals known to cause reproductive toxicity for females | Substance is not listed. |
| Chemicals known to cause reproductive toxicity for males | Substance is not listed. |

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| Chemicals known to cause developmental toxicity | Substance is not listed. |
| Carcinogenic Categories | |
| EPA (Environmental Protection Agency) | Substance is not listed. |
| IARC (International Agency for Research on Cancer) | Substance is not listed. |
| TLV (Threshold Limit Value established by ACGIH) | Substance is not listed. |
| NIOSH-Ca (National Institute for Occupational Safety and Health) | Substance is not listed. |
| OSHA-Ca (Occupational Safety & Health Administration) | Substance is not listed. |
| Canada | |
| Canadian Domestic Substances List (DSL) | Substance is listed. |
| Canadian Ingredient Disclosure list (limit 0.1%) | Substance is not listed. |
| Canadian Ingredient Disclosure list (limit 1%) | Substance is not listed. |

15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

16. OTHER INFORMATION

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.