

Material Safety Data Sheet

1 Identification of the substance/preparation and of the company/undertaking

.Product details

.Trade name: Resin-Lead Core

.Registration number: Not available

.Application of the substance/the preparation: Stationery

.Manufacturer/Supplier:

Quantum International

908315 5 Star Premier Mechanical Pencil



925028 5 Star Mechanical Pencil 925028

2 Composition/information on ingredients

.Chemical characterization

.Description: Mixture of substances listed below with nonhazardous additions. For the wording of the listed risk phrases refer to section 16

.Dangerous Components:

CAS: 7782-42-5 EINECS No: 231-955-3	graphite	R36 R37.	50-70%
CAS: 108-05-4 EC No:---	vinyl acetate	 F,  Xi; R11 R20-22 R36 R45.	20-50%

.Non-dangerous Components :

CAS: 8002-74-2 EC No: 232-315-6	paraffin wax		5-15%
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.Remark

graphite (7782-42-5)

Synonyms: pyrolitic graphite, PG, HOPG, aerodag G, aquadag, black lead, canlub, Ceylon black lead, C.I. 77265, C.I. pigment black 10, electrographite, fortafil 5Y, grafoil, korobon, mineral carbon, plumbago, chungite, shungite, silver graphite, stove black, Swedish black lead, further trade names

vinyl acetate (108-05-4)

Synonyms: *acetic acid ethenyl ester, acetic acid ethylene ether, acetoxyethene, 1-acetoxyethylene, ethenyl ethanoate, ethenyl acetate, vinyl acetate monomer, acetic acid vinyl ester, vyac, zeset T*

3 Hazards identification

.Hazard description: *Not applicable.*

.Information concerning particular hazards for human and environment:

The product has to be labeled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

.Classification system:

The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

4 First aid measures

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

.After skin contact: *Immediately rinse with water.*

.After eye contact: *Rinse opened eye for several minutes under running water.*

.After Swallowing: *If symptoms persist consult doctor.*

5 Fire-fighting measures

.Flash Points: *Not available*

.Flammable Limits: *Not available.*

.Products of Combustion: *These products are carbon oxides (CO, CO₂).*

.Fire Hazards in Presence of Various Substances: *No specific information is available in our database regarding the flammability of this product in presence of various materials.*

.Explosion Hazards in Presence of Various Substances:

Risks of explosion of the product in presence of mechanical impact: Not available.

Risks of explosion of the product in presence of static discharge: Possible.

Risks of explosion form dust accumulation of this product are possible. See section 7 Handling for more information.

.Special Remarks on Fire Hazards: *Processing or material handling equipment may generate dust of sufficiently small particle size, that when suspended in air may be explosive.*

6 Accidental release measures

.Person-related safety precautions: *Wear protective equipment. Keep unprotected persons away.*

.Measures for environmental protection:

Do not allow product to reach sewage system or any water course.

Inform respective authorities in case of seepage into water course or sewage system.

Do not allow to enter sewers/surface or ground water.

.Measures for cleaning/collection:

Dispose contaminated material as waste according to item 13.

Ensure adequate ventilation.

7 Handling and storage

.Handling:

.Information for safe handling:

Ensure good ventilation/exhaustion at the workplace.

Open and handle receptacle with care.

.Information about fire- and explosion protection:

Keep ignition sources away-Do not smoke.

Protect against electrostatic charges.

Keep respiratory protective device available.

.Storage:

.Requirements to be met by storerooms and receptacles: Keep container dry. Keep in a cool place.

.Information about storage in one common storage facility:

Store away from foodstuffs.

Store away from flammable substances.

.Further information about storage condition: Keep container tightly sealed.

8 Exposure controls/personal protection

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

.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.

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

.Personal protective equipment:

.General protective and hygienic measures:

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing.

Wash hands before breaks and at the end of work.

Avoid contact with the skin.

Avoid contact with the eyes and skin.

.Respiratory protection:

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

.Protection of hands:

.Protective gloves

The glove material has to be impermeable and resistant to the product/the substance/the preparation.

Due to missing tests no recommendation to the glove material can be given for the product /the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.

.Material of gloves

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, As the product is a preparation of several substances, the resistance of the glove material can

not be calculated in advance and has therefore to be checked prior to the application.

.Penetration time of glove material

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

.Eye protection: Goggles recommended during refilling

9 Physical and chemical properties

.General Information	
Form:	Cylinder and Cuboid
Color:	Black
Odor:	odorless
.Change in condition	
Melting point/Melting range:	Undetermined
Boiling point/Boiling range:	Undetermined
.Flash point:	Not applicable
.Self-igniting:	Product is not self-igniting
.Danger of explosion:	Product does not present an explosion hazard.
.Density:	Not determined
.Relative density:	Not determined
.Vapor density:	Not determined
.Evaporation rate	Not determined
.Solubility in/Miscibility with	
Water:	Not miscible or difficult to mix
.PH-Value at 25°C (77°F):	Not determined
.Viscosity:	
Dynamic:	Not applicable

10 Stability and reactivity

.Chemical Stability: Stable under normal temperatures and pressures.

.Decomposition Products: Products of thermal decomposition can include products related gases (e.g. carbon oxides, and various hydrocarbons). Refer to the NFPA manual for more specific information.

.Materials with which substance is incompatible: None known.

.Hazardous Polymerizations: Will not occur.

.Conditions to Avoid: Avoid exposure or contact to extreme temperatures, incompatible chemicals.

11 Toxicological information

.Please refer to section 3 for hazards identification.

graphite (7782-42-5)

Irritant. Typical TLV 2 mg/m³.

vinyl acetate (108-05-4)

.Toxicity to Animals:

.WARNING: THE LC50 VALUES HEREUNDER ARE ESTIMATED ON THE BASIS OF A 4-HOUR EXPOSURE.

Acute oral toxicity (LD50): 1613 mg/kg [Mouse].

Acute dermal toxicity (LD50): 2335 mg/kg [Rabbit].

Acute toxicity of the gas (LC50): 2828.4 ppm 4 hour(s) [Rat].

Acute toxicity of the vapor (LC50): 1550 ppm 4 hour(s) [Mouse].

.Chronic Effects on Humans:

CARCINOGENIC EFFECTS: Classified + (PROVEN) by OSHA. Classified A3 (Proven for animal.) by ACGIH, 2B (Possible for human.) by IARC.

.Other Toxic Effects on Humans:

Very hazardous in case of skin contact (irritant), of inhalation (lung irritant).

Hazardous in case of ingestion.

Slightly hazardous in case of skin contact (permeator).

Special Remarks on Toxicity to Animals: Not available.

Special Remarks on Chronic Effects on Humans: Not available.

Special Remarks on other Toxic Effects on Humans: Not available.

12 Ecological information

.Ecotoxicological effects: None Established

.General notes:

Do not allow product to reach ground water, water course or sewage system.

Danger to drinking water if even quantities leak into the ground.

Also poisonous for fish and plankton in water bodies.

Ecotoxicity: Not available.

BOD5 and COD: Not available.

.Biodegradable/OECD: Not available.

.Mobility: Not available.

13 Disposal considerations

·Product:

Recommendation

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

·Uncleaned packaging:

Recommendation: Disposal must be made according to official regulations.

Recommended cleansing agent: Water, if necessary with cleansing agents.

14 Transport information

.International transport regulation

.DOT: Not Classified

.LATA: Not Classified

.IMDG: Not Classified

15 Regulatory information

Graphite (7782-42-5)

·Federal and State Regulations:

TSCA 8(b) inventory: Graphite

Other Regulations: EINECS: This product is on the European Inventory of Existing Commercial Chemical Substances.

·Other Classifications:

WHMIS (Canada): CLASS D-2A: Material causing other toxic effects (VERY TOXIC).

·DSCL (EEC):

This product is not classified according to the EU regulations: Not applicable.

HMIS (U.S.A.):H=1;F=1;R= 0

Personal Protection: E

National Fire Protection Association (U.S.A.):H=1;F=1;R= 0

vinyl acetate (108-05-4)

·Federal and State Regulations:

TSCA 8(b) inventory: Vinyl acetate

SARA 302/304/311/312 extremely hazardous substances: Vinyl acetate

SARA 313 toxic chemical notification and release reporting: Vinyl acetate

CERCLA: Hazardous substances. Vinyl acetate: 5000 lbs. (2268 kg)

·Other Regulations:

OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200).

EINECS: This product is on the European Inventory of Existing Commercial Chemical Substances.

·Other Classifications:

WHMIS (Canada):

CLASS B-2: Flammable liquid with a flash point lower than 37.8°C (100°F).

CLASS D-1B: Material causing immediate and serious toxic effects (TOXIC).

CLASS D-2B: Material causing other toxic effects (TOXIC).

DSCL (EEC):

R11- Highly flammable.

R20- Harmful by inhalation.

R37/38- Irritating to respiratory system and skin.

R41- Risk of serious damage to eyes.

R45- May cause cancer.

HMIS (U.S.A.):H=2;F=3;R=0

Personal Protection: H

National Fire Protection Association (U.S.A.):H=2;F=3;R=2

16 Other information

The contents and format of this MSDS/SDS are in accordance with REGULATION (EC) No 1907/2006, EU Commission Directive 1999/45/EC, 1967/548/EEC.

DISCLAIMER OF LIABILITY

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