

4-17-17



Safety Data Sheet

Issue Date: 16-Oct-2012

Revision Date: 18-Nov-2013

Version 1

1. IDENTIFICATION

Product Identifier

Product Name Quartet Board Gear Marker Board Cleaner & Conditioner

Other means of identification

SDS # JPC-003

Product Code 551
UN/ID No UN1993

Recommended use of the chemical and restrictions on use

Recommended Use Marker board cleaner and conditioner.

Details of the supplier of the safety data sheet

| | |
|-------------------------|-----------------------------|
| Supplier Address | Manufacturer Address |
| Acco Brands Corporation | J. Penner Corp. |
| 300 Tower Parkway | 17 Weldon Road |
| Lincolnshire, IL 60069 | Doylestown, PA 18901 |
| www.Acco.com | |

Emergency Telephone Number

Company Phone Number Acco Brands Corporation Phone: 800-541-0094
Fax: 800-247-1317 J. Penner Corp. Phone: 215-340-9700
Fax: 215-340-9704

Emergency Telephone (24 hr) INFOTRAC 1-352-323-3500 (International)
1-800-535-5053 (North America)

2. HAZARDS IDENTIFICATION

Appearance Semi-viscous, creamy white liquid **Physical State** Liquid **Odor** Petroleum citrus

Classification

| | |
|------------------------|-------------|
| Skin sensitization | Category 1 |
| Germ cell mutagenicity | Category 1B |
| Aspiration toxicity | Category 1 |
| Flammable Liquids | Category 3 |

Hazards Not Otherwise Classified (HNOC)

Causes mild skin irritation

Signal Word

Danger

Hazard Statements

May cause an allergic skin reaction
May cause genetic defects
May be fatal if swallowed and enters airways
Flammable liquid and vapor

**Precautionary Statements - Prevention**

Obtain special instructions before use
Do not handle until all safety precautions have been read and understood
Use personal protective equipment as required
Avoid breathing dust/fume/gas/mist/vapors/spray
Contaminated work clothing should not be allowed out of the workplace
Wear protective gloves
Keep away from heat/sparks/open flames/hot surfaces. — No smoking
Keep container tightly closed
Ground/bond container and receiving equipment
Use explosion-proof equipment
Use only non-sparking tools
Take precautionary measures against static discharge

Precautionary Statements - Response

If exposed or concerned: Get medical advice/attention
IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
If skin irritation or rash occurs: Get medical advice/attention
Wash contaminated clothing before reuse
IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician
Do not induce vomiting
IN CASE OF FIRE: Use CO₂, dry chemical, or foam for extinction

Precautionary Statements - Storage

Store locked up
Store in a well-ventilated place. Keep cool.

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

Other Hazards

Toxic to aquatic life with long lasting effects

Unknown Acute Toxicity

20% of the mixture consists of ingredient(s) of unknown toxicity

3. COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical Name | CAS No | Weight-% |
|-----------------------------------|------------|----------|
| Water | 7732-18-5 | >50 |
| Petroleum Distillate | 64741-65-7 | <25 |
| Aluminum silicate | 1302-76-7 | <25 |
| d-Limonene | 5989-27-5 | <10 |
| Polydimethylsiloxane | 63148-62-9 | <10 |
| 2, 6-di-tert-butyl-4-methylphenol | 128-37-0 | <1 |

If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.

4. FIRST-AID MEASURES

First Aid Measures

| | |
|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| General Advice | If exposed or concerned: Get medical advice/attention. |
| Eye Contact | Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Seek immediate medical attention/advice. |
| Skin Contact | Wash with soap and water. Take off contaminated clothing. Wash contaminated clothing before reuse. If skin irritation or rash occurs: Get medical advice/attention. |
| Inhalation | Remove to fresh air. If breathing difficulty does not improve rapidly, get patient to a doctor. |
| Ingestion | Do not induce vomiting. Seek medical attention immediately. Aspiration hazard if swallowed- can enter lungs and cause damage. |

Most important symptoms and effects

| | |
|-----------------|------------------------------------|
| Symptoms | May cause skin and eye irritation. |
|-----------------|------------------------------------|

Indication of any immediate medical attention and special treatment needed

| | |
|---------------------------|------------------------|
| Notes to Physician | Treat symptomatically. |
|---------------------------|------------------------|

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable Extinguishing Media Not determined.

Specific Hazards Arising from the Chemical

Residue after evaporation of water might be a fire hazard.

Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

- Personal Precautions** Avoid contact with eyes and skin. Use personal protective equipment as required. Remove all sources of ignition. Ensure adequate ventilation.
- Environmental Precautions** See Section 12 for additional Ecological Information.

Methods and material for containment and cleaning up

- Methods for Containment** Prevent further leakage or spillage if safe to do so.
- Methods for Clean-Up** Use a non-combustible material like vermiculite or sand to soak up the product and place into a container for later disposal. Do not hose spills down drains.

7. HANDLING AND STORAGE

Precautions for safe handling

- Advice on Safe Handling** Wash thoroughly after handling. Use personal protection recommended in Section 8. Avoid breathing vapors or mists. Use only in well-ventilated areas. Keep away from heat/sparks/open flames/hot surfaces. — No smoking. Use spark-proof tools and explosion-proof equipment. Ground/bond container and receiving equipment. Take precautionary measures against static discharges. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Contaminated work clothing should not be allowed out of the workplace. Protect container from physical damage.

Conditions for safe storage, including any incompatibilities

- Storage Conditions** Keep containers tightly closed in a dry, cool and well-ventilated place. Store locked up.
- Incompatible Materials** Strong oxidizing agents.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

| Chemical Name | ACGIH TLV | OSHA PEL | NIOSH IDLH |
|-----------------------------------------------|-------------------------------------------------------|-------------------------------------|---------------------------|
| Aluminum silicate 1302-76-7 | TWA: 1 mg/m ³ respirable fraction | - | - |
| 2, 6-di-tert-butyl-4-methylphenol 128-37-0 | TWA: 2 mg/m ³ inhalable fraction and vapor | (vacated) TWA: 10 mg/m ³ | TWA: 10 mg/m ³ |

Appropriate engineering controls

- Engineering Controls** Ventilation systems. Eyewash stations. Showers.

Individual protection measures, such as personal protective equipment

- Eye/Face Protection** Goggles.
- Skin and Body Protection** Wear neoprene gloves. Protective clothing as required by workplace standards.
- Respiratory Protection** No protection is ordinarily required under normal conditions of use and with adequate ventilation.
- General Hygiene Considerations** Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

| | | | |
|-----------------------|-----------------------------------|-----------------------|------------------|
| Physical State | Liquid | Odor | Petroleum citrus |
| Appearance | Semi-viscous, creamy white liquid | Odor Threshold | Not determined |
| Color | Creamy white | | |

| <u>Property</u> | <u>Values</u> | <u>Remarks • Method</u> |
|------------------------------|------------------------|-------------------------|
| pH | Neutral | |
| Melting Point/Freezing Point | Not available | |
| Boiling Point/Boiling Range | 99-107 °C / 210-225 °F | |
| Flash Point | 48.8 °C / 120 °F | |
| Evaporation Rate | Not available | |
| Flammability (Solid, Gas) | n/a-liquid | |
| Upper Flammability Limits | Not available | |
| Lower Flammability Limit | Not available | |
| Vapor Pressure | Not available | |
| Vapor Density | Not available | |
| Specific Gravity | 1.0 | |
| Water Solubility | Miscible in water | |
| Solubility in other solvents | Not determined | |
| Partition Coefficient | Not determined | |
| Auto-ignition Temperature | Not available | |
| Decomposition Temperature | Not determined | |
| Kinematic Viscosity | Not determined | |
| Dynamic Viscosity | Not determined | |
| Explosive Properties | Not determined | |
| Oxidizing Properties | Not determined | |

10. STABILITY AND REACTIVITY

Reactivity

Not reactive under normal conditions.

Chemical Stability

Stable under recommended storage conditions.

Possibility of Hazardous Reactions

None under normal processing.

Hazardous Polymerization

Hazardous polymerization does not occur.

Conditions to Avoid

Keep out of reach of children.

Incompatible Materials

Strong oxidizing agents.

Hazardous Decomposition Products

Carbon oxides.

12. ECOLOGICAL INFORMATION

Ecotoxicity

Toxic to aquatic life with long lasting effects.

| Chemical Name | Algae/aquatic plants | Fish | Toxicity to microorganisms | Crustacea |
|--------------------------------------------------|---------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|----------------------------|---------------------------------------|
| Petroleum Distillate 64741-65-7 | 30000: 72 h Pseudokirchneriella subcapitata mg/L EC50 | | | 2: 48 h Mysidopsis bahia mg/L LC50 |
| d-Limonene 5989-27-5 | | 0.619 - 0.796: 96 h Pimephales promelas mg/L LC50 flow-through 35: 96 h Oncorhynchus mykiss mg/L LC50 | | |
| 2, 6-di-tert-butyl-4-methylphenol 128-37-0 | 6: 72 h Pseudokirchneriella subcapitata mg/L EC50 0.42: 72 h Desmodesmus subspicatus mg/L EC50 | 5: 48 h Oryzias latipes mg/L LC50 | | |

Persistence/Degradability

Not determined.

Bioaccumulation

Not determined.

Mobility

| Chemical Name | Partition Coefficient |
|-----------------------------------------------|-----------------------|
| 2, 6-di-tert-butyl-4-methylphenol 128-37-0 | 4.17 |

Other Adverse Effects

Not determined

13. DISPOSAL CONSIDERATIONS

Waste Treatment Methods

- Disposal of Wastes** Disposal should be in accordance with applicable regional, national and local laws and regulations.
- Contaminated Packaging** Disposal should be in accordance with applicable regional, national and local laws and regulations.

California Hazardous Waste Status

| Chemical Name | California Hazardous Waste Status |
|-------------------------|-----------------------------------|
| d-Limonene 5989-27-5 | Toxic |

14. TRANSPORT INFORMATION

Note Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances. This may be non-regulated in non-bulk packages for DOT ground only per 49 CFR 173.150(f).

DOT
 UN/ID No UN1993
 Proper Shipping Name Flammable liquids, n.o.s. (Petroleum distillates, D-limonene)
 Hazard Class 3
 Packing Group III

IATA
 UN/ID No UN1993
 Proper Shipping Name Flammable liquid, n.o.s. (Petroleum distillates, D-limonene)
 Hazard Class 3
 Packing Group III

IMDG
 UN/ID No UN1993
 Proper Shipping Name Flammable liquid, n.o.s. (Petroleum distillates, D-limonene)
 Hazard Class 3
 Packing Group III
 Marine Pollutant This material may meet the definition of a marine pollutant

15. REGULATORY INFORMATION

International Inventories
 Not determined

US Federal Regulations

SARA 313
 Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

US State Regulations

U.S. State Right-to-Know Regulations

| Chemical Name | New Jersey | Massachusetts | Pennsylvania |
|-----------------------------------------------|------------|---------------|--------------|
| 2, 6-di-tert-butyl-4-methylphenol 128-37-0 | X | X | X |

16. OTHER INFORMATION

| | | | | |
|--------------------|-----------------------------------------|---------------------------------------|--------------------------------------|------------------------------------------|
| <u>NFPA</u> | Health Hazards Not determined | Flammability Not determined | Instability Not determined | Special Hazards Not determined |
| <u>HMIS</u> | Health Hazards 1 | Flammability 0 | Physical Hazards 0 | Personal Protection None |

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Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet