



Safety Data Sheet

Issue Date: 16-Oct-2012

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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 300 Tower Parkway Lincolnshire, IL 60069 www.Acco.com	J. Penner Corp. 17 Weldon Road Doylestown, PA 18901

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.
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Indication of any immediate medical attention and special treatment needed

Notes to Physician	Treat symptomatically.
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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.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

Eye Contact	Avoid contact with eyes.
Skin Contact	Causes mild skin irritation. May cause an allergic skin reaction.
Inhalation	Avoid breathing vapors or mists.
Ingestion	Do not taste or swallow.

Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Petroleum Distillate 64741-65-7	> 7000 mg/kg (Rat)	> 3000 mg/kg (Rat) > 2000 mg/kg (Rabbit)	> 5.04 mg/L (Rat) 4 h
d-Limonene 5989-27-5	-	> 5 g/kg (Rabbit)	-
Polydimethylsiloxane 63148-62-9	> 17 g/kg (Rat)	> 2 g/kg (Rabbit)	-
2, 6-di-tert-butyl-4-methylphenol 128-37-0	= 890 mg/kg (Rat)	-	-

Information on physical, chemical and toxicological effects

Symptoms Please see section 4 of this SDS for symptoms.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Germ cell mutagenicity May cause genetic defects.

Carcinogenicity The table below indicates whether each agency has listed any ingredient as a carcinogen. However, the product as a whole has not been tested.

Chemical Name	ACGIH	IARC	NTP	OSHA
d-Limonene 5989-27-5		Group 3		X
2, 6-di-tert-butyl-4-methylpheno 128-37-0		Group 3		

Legend

*IARC (International Agency for Research on Cancer)
Group 3 IARC components are "not classifiable as human carcinogens"*

Aspiration hazard May be fatal if swallowed and enters airways.

Numerical measures of toxicity

Not determined

Unknown Acute Toxicity 20% of the mixture consists of ingredient(s) of unknown toxicity.

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-methylpheno l 128-37-0	6: 72 h Pseudokirchneriella subcapitata mg/L EC50 0.42: 72 h Desmodemus 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