1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: DJC-201 PS II AEROSOL  
Product Code: 5600  
Recommended use: Cleaning agent  
Chemical nature: alcohol solution  
Information on Manufacturer: MANTEK, DIVISION OF NCH CORP.  
Emergency Telephone Number:  
CHEMTREC® 800-424-9300  
Telephone inquiry: 972-579-2477  
Issuing Date: 08/01/2016  
Supercedes Date: 02/26/2016

2. HAZARD IDENTIFICATION

Color: Colorless  
Physical state: Liquid  
Odor: Alcohol

GHS Classification

Physical Hazards:  
- Flammable Aerosols: Category 2  
- Gases under pressure: Liquefied gas

Health Hazard:  
- Serious Eye Damage/Eye Irritation: Category 2A
- Specific target organ systemic toxicity (single exposure): Category 3

Other hazards: None

Labeling

Signal Word: DANGER

Hazard statements:  
H223 - Flammable aerosol  
H336 - May cause drowsiness or dizziness  
H319 - Causes serious eye irritation  
H280 - Contains gas under pressure; may explode if heated

Precautionary Statements:  
P210 - Keep away from heat, sparks, open flames or hot surfaces.  
P211 - Do not spray on an open flame or other ignition source  
P251 - Pressurized container. Do not pierce or burn, even after use  
P261 - Avoid breathing vapors, mist or gas  
P271 - Use in a well-ventilated area  
P280 - Wear protective gloves, protective clothing and eye protection  
P264 - Wash face, hands and any exposed skin thoroughly after handling  
P304 + P340 - If INHALED: Remove person to fresh air and keep at rest in a position comfortable for breathing.  
P312 - Call a physician if unwell.  
P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P337 + P313 - If eye irritation persists, get medical attention.  
P403 - Store in a well-ventilated place  
P410 + P412 - Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F  
P501 - Dispose of contents and container in accordance with applicable local regulations.

3. COMPOSITION / INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS No.</th>
<th>Weight %</th>
</tr>
</thead>
<tbody>
<tr>
<td>ETHANOL</td>
<td>64-17-5</td>
<td>60-100</td>
</tr>
<tr>
<td>Methyl acetate</td>
<td>79-20-9</td>
<td>10-30</td>
</tr>
</tbody>
</table>

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4. FIRST AID MEASURES

General advice
Do not breathe vapors or spray mist. Do not get in eyes, on skin or on clothing.

Eye Contact
Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get medical attention immediately.

Skin Contact
Wash off immediately with soap and plenty of water. Get medical attention if irritation develops and persists. Remove and wash contaminated clothing before re-use.

Inhalation
If inhaled, remove to fresh air. In case of shortness of breath, give oxygen. If breathing has stopped, apply artificial respiration. Get medical attention immediately.

Ingestion
Drink 1 or 2 glasses of water. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth.

Notes to physician
Aspiration hazard if swallowed - can enter lungs and cause damage. May be fatal if swallowed and enters airways.

5. FIRE-FIGHTING MEASURES

Flash Point 55 °F / 13 °C
Method: Seta closed cup

Flammability Limits in Air %: Solvent mixture.
Upper: 36
Lower: 1.2

Suitable Extinguishing Media
Water spray. Carbon dioxide (CO2). Alcohol-resistant foam. Dry chemical. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Specific hazards arising from the chemical
Flammable. Solvent vapors are heavier than air and may spread along floors. Vapors may ignite and explode. Flame extension: 18 inches / 45 cm and Burnback: 6 inch / 15 cm.

Protective Equipment and Precautions for Firefighters
As in any fire, wear self-contained breathing apparatus pressure-demand, NOHSC (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions
Use personal protective equipment. Remove all sources of ignition. Ensure adequate ventilation. Material can create slippery conditions. Take precautionary measures against static discharges.

Environmental Precautions
Do not flush into surface water or sanitary sewer system.

Methods for Containment
Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13).

Methods for Cleaning Up
Use clean non-sparking tools to collect absorbed material. Pick up and transfer to properly labeled containers.

Neutralizing Agent
Not applicable.

7. HANDLING AND STORAGE

Handling
Keep away from open flames, hot surfaces and sources of ignition. Do not breathe vapors or spray mist. Do not get in eyes, on skin or on clothing.

Storage
Keep away from heat and sources of ignition. Keep in a dry, cool and well-ventilated place.

Storage Temperature
Minimum 35 °F / 2 °C
Maximum 120 °F / 49 °C

Storage Conditions
Indoor X Outdoor Heated Refrigerated

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

<table>
<thead>
<tr>
<th>Component</th>
<th>ACGIH TLV</th>
<th>OSHA PEL</th>
<th>NIOSH</th>
</tr>
</thead>
<tbody>
<tr>
<td>ETHANOL</td>
<td>STEL: 1000 ppm</td>
<td>TWA: 1000 ppm</td>
<td>3300 ppm</td>
</tr>
<tr>
<td></td>
<td>TWA: 1900 mg/m³</td>
<td>TWA: 1000 ppm</td>
<td>TWA: 1900 mg/m³</td>
</tr>
<tr>
<td>Methyl acetate</td>
<td>TWA: 200 ppm</td>
<td>TWA: 200 ppm</td>
<td>3100 ppm</td>
</tr>
<tr>
<td></td>
<td>STEL: 250 ppm</td>
<td>TWA: 610 mg/m³</td>
<td>STEL 250 ppm</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>STEL 760 mg/m³</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>TWA: 200 ppm</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>TWA: 610 mg/m³</td>
</tr>
<tr>
<td>Carbon dioxide</td>
<td>TWA: 5000 ppm</td>
<td>TWA: 5000 ppm</td>
<td>40000 ppm</td>
</tr>
</tbody>
</table>
### Engineering Measures
Ensure adequate ventilation, especially in confined areas. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction.

### Personal Protective Equipment

#### Eye/Face Protection
Tightly fitting safety goggles.

#### Skin Protection
Wear suitable protective clothing, Impervious gloves.

#### Respiratory Protection
In case of inadequate ventilation wear respiratory protection. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

### General Hygiene Considerations
Wear protective gloves/clothing. Ensure that eyewash stations and safety showers are close to the workstation location. Remove and wash contaminated clothing before re-use.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical state</td>
<td>Liquid</td>
</tr>
<tr>
<td>Color</td>
<td>Colorless</td>
</tr>
<tr>
<td>Odor Threshold</td>
<td>Not applicable</td>
</tr>
<tr>
<td>pH</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Evaporation Rate</td>
<td>124.7 (Butyl acetate=1)</td>
</tr>
<tr>
<td>VOC Content (%)</td>
<td>73</td>
</tr>
<tr>
<td>Vapor Pressure</td>
<td>3782 mmHg @ 70°F</td>
</tr>
<tr>
<td>Melting Point/Range</td>
<td>No data available</td>
</tr>
<tr>
<td>Boiling Point/Range</td>
<td>151 °F / 66 °C</td>
</tr>
<tr>
<td>Flash Point</td>
<td>55 °F / 13 °C</td>
</tr>
<tr>
<td>Autoignition Temperature</td>
<td>No information available</td>
</tr>
<tr>
<td>Flammability Limits in Air %:</td>
<td>Upper: 36 Lower: 1.2</td>
</tr>
<tr>
<td>Viscosity</td>
<td>Non viscous</td>
</tr>
<tr>
<td>Odor</td>
<td>Alcohol</td>
</tr>
<tr>
<td>Appearance</td>
<td>Transparent</td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>0.68</td>
</tr>
<tr>
<td>Vapor Density</td>
<td>1.5 (Air = 1.0)</td>
</tr>
<tr>
<td>n-Octanol/Water Partition</td>
<td>No data available</td>
</tr>
<tr>
<td>Decomposition Temperature</td>
<td>No data available</td>
</tr>
<tr>
<td>Method</td>
<td>Seta closed cup</td>
</tr>
<tr>
<td>Vapor Pressure</td>
<td></td>
</tr>
<tr>
<td>VOC Content (g/L)</td>
<td>496</td>
</tr>
<tr>
<td>Solubility</td>
<td></td>
</tr>
<tr>
<td>Evaporation Rate</td>
<td>124.7 (Butyl acetate=1)</td>
</tr>
<tr>
<td>VOC Content (%)</td>
<td>73</td>
</tr>
<tr>
<td>Melting Point/Range</td>
<td>No data available</td>
</tr>
<tr>
<td>Boiling Point/Range</td>
<td>151 °F / 66 °C</td>
</tr>
<tr>
<td>Flash Point</td>
<td>55 °F / 13 °C</td>
</tr>
<tr>
<td>Autoignition Temperature</td>
<td>No information available</td>
</tr>
<tr>
<td>Flammability Limits in Air %:</td>
<td>Upper: 36 Lower: 1.2</td>
</tr>
<tr>
<td>Viscosity</td>
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</tr>
<tr>
<td>Odor</td>
<td>Alcohol</td>
</tr>
<tr>
<td>Appearance</td>
<td>Transparent</td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>0.68</td>
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<td>Vapor Density</td>
<td>1.5 (Air = 1.0)</td>
</tr>
<tr>
<td>n-Octanol/Water Partition</td>
<td>No data available</td>
</tr>
<tr>
<td>Decomposition Temperature</td>
<td>No data available</td>
</tr>
<tr>
<td>Method</td>
<td>Seta closed cup</td>
</tr>
<tr>
<td>Vapor Pressure</td>
<td></td>
</tr>
<tr>
<td>VOC Content (g/L)</td>
<td>496</td>
</tr>
<tr>
<td>Solubility</td>
<td></td>
</tr>
</tbody>
</table>

### 10. STABILITY AND REACTIVITY

**Chemical Stability**
Stable. Hazardous polymerization does not occur.

**Conditions to Avoid**
Keep away from open flames, hot surfaces, and sources of ignition.

**Incompatible Products**
Strong oxidizing agents, Strong acids.

**Decomposition Temperature**
No data available

**Hazardous Decomposition Products**
Carbon oxides.

**Possibility of Hazardous Reactions**
None under normal processing.

### 11. TOXICOLOGICAL INFORMATION

#### Product Information
No information available.

The following values are calculated based on chapter 3.1 of the GHS document

**Oral LD50**
No information available

**Dermal LD50**
No information available

**Inhalation LC50**
Gas
No information available
Mist
No information available
Vapor
No information available

**Principle Route of Exposure**
Inhalation, Skin contact, Eye contact.

**Primary Routes of Entry**
Skin contact, Skin Absorption.

**Acute Effects:**

- **Eyes:** Severe eye irritant.
- **Skin:** May cause slight irritation.
- **Inhalation:** May cause irritation of respiratory tract. Inhalation of vapors in high concentration can cause narcotic effects and metabolic acidosis. Inhalation may cause central nervous system effects. May cause central nervous system depression. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness.
- **Ingestion:** Ingestion may cause irritation to mucous membranes. Causes headache, drowsiness or other effects to the central nervous system. Lowered blood pressure. May be fatal or cause blindness if swallowed.

**Chronic Toxicity**
May cause damage to the kidneys/liver/eyes/brain/digestive system/central nervous system through prolonged or repeated exposure if swallowed. Repeated and prolonged exposure to solvents may cause brain and nervous system damage. Contains a known or suspected carcinogen.

**Target Organ Effects**
Blood, Central nervous system, Gastrointestinal tract, Liver, Reproductive System, Respiratory system, Eyes, Heart, Kidney, Skin, Spleen, Pancreas.

**Aggravated Medical Conditions**
Heart, Liver disorders, Neurological disorders, Skin disorders, Respiratory disorders, Kidney
disorders, Blood disorders, Cardiovascular.

**Component Information**

**Acute Toxicity**

<table>
<thead>
<tr>
<th>Component</th>
<th>Oral LD50</th>
<th>Dermal LD50</th>
<th>Inhalation LC50</th>
<th>Draize Test</th>
<th>Other</th>
</tr>
</thead>
<tbody>
<tr>
<td>ETHANOL 64-17-5</td>
<td>No data available</td>
<td>no data available</td>
<td>= 124.7 mg/L (Rat) 4 h</td>
<td>No data available</td>
<td>No data available</td>
</tr>
<tr>
<td>Methyl acetate 79-20-9</td>
<td>&gt; 5000 mg/kg (Rat)</td>
<td>&gt; 5 g/kg (Rabbit)</td>
<td>= 16000 ppm (Rat) 4 h</td>
<td>No data available</td>
<td>No data available</td>
</tr>
</tbody>
</table>

**Component**

**Mutagenicity**

<table>
<thead>
<tr>
<th>Component</th>
<th>Mutagenicity</th>
<th>Sensitization</th>
<th>Developmental Toxicity</th>
<th>Reproductive Toxicity</th>
<th>Target Organ Effects</th>
</tr>
</thead>
<tbody>
<tr>
<td>ETHANOL 64-17-5</td>
<td>No data available</td>
<td>No data available</td>
<td>No data available</td>
<td>No data available</td>
<td>Blood Skin Central nervous system Eyes Respiratory system Reproductive System Liver</td>
</tr>
<tr>
<td>Methyl acetate 79-20-9</td>
<td>No data available</td>
<td>No data available</td>
<td>No data available</td>
<td>No data available</td>
<td>Skin Central nervous system Eyes Respiratory system</td>
</tr>
<tr>
<td>Carbon dioxide 124-38-9</td>
<td>No data available</td>
<td>No data available</td>
<td>No data available</td>
<td>No data available</td>
<td>Respiratory system Cardiovascular system</td>
</tr>
</tbody>
</table>

**Carcinogenicity**

The table below indicates whether each agency has listed any ingredient as a carcinogen.

<table>
<thead>
<tr>
<th>Component</th>
<th>ACGIH</th>
<th>IARC</th>
<th>NTP</th>
<th>OSHA</th>
<th>Other</th>
</tr>
</thead>
<tbody>
<tr>
<td>ETHANOL 64-17-5</td>
<td>A3</td>
<td>Group 1</td>
<td>not applicable</td>
<td>X</td>
<td>not applicable</td>
</tr>
</tbody>
</table>

(1) IARC classification for Ethyl alcohol is intended for use in alcoholic beverage use only. This product is not intended for this use.

**12. ECOLOGICAL INFORMATION**

**Product Information**

No information available.

**Component Information**

<table>
<thead>
<tr>
<th>Component</th>
<th>Toxicity to Algae</th>
<th>Toxicity to Fish</th>
<th>Microtox</th>
<th>Crustacea</th>
<th>Partition coefficient</th>
</tr>
</thead>
<tbody>
<tr>
<td>ETHANOL</td>
<td>No information available</td>
<td>LC50 12.0 - 16.0 mL/L Oncorhynchus mykiss 96 h</td>
<td>LC50 &gt; 100 mg/L Pimephales promelas 96 h</td>
<td>LC50 13400 - 15100 mg/L Pimephales promelas 96 h</td>
<td>No information available</td>
</tr>
<tr>
<td>Methyl acetate</td>
<td>EC50 &gt; 120 mg/L Desmodesmus subspicatus 72 h</td>
<td>LC50 295 - 348 mg/L Pimephales promelas 96 h</td>
<td>LC50 250 - 350 mg/L Brachydanio rerio 96 h</td>
<td>EC50 = 6000 mg/L 16 h EC50 = 6100 mg/L 30 min</td>
<td>1026.7: 48 h Daphnia magna mg/L EC50</td>
</tr>
</tbody>
</table>

**Persistence and Degradability**

No information available.

**Bioaccumulation**

No information available.

**Mobility**

No information available.

**13. DISPOSAL CONSIDERATIONS**

**Product Disposal**

Dispose of in accordance with local regulations.

**Container Disposal**

Contents under pressure. Do not puncture. Empty remaining contents. Empty containers should be taken for local recycling, recovery, or waste disposal.

**14. TRANSPORT INFORMATION**

**DOT**

- **Proper Shipping Name**: DOT
- **Hazard Class**: Consumer commodity
- **Description**: ORM-D

**TDG**

- **Proper shipping name**: Aerosols
- **Hazard Class**: 2.1
- **UN-No**: UN1950
- **Description**: UN1950, AEROSOLS, 2.1, LTD QTY

**ICAO**

- **Proper Shipping Name**: DO NOT SHIP AIR

**IATA**
Proper Shipping Name: Aerosols

Hazard Class: 2.1

UN-No: UN1950

EmS No.: F-D, S-U

Description: UN1950, Aerosols.2.1 LTD. QTY.

15. REGULATORY INFORMATION

Inventories
TSCA: Complies
DSL: Complies

U.S. Federal Regulations
SARA 313
Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS No.</th>
<th>Weight %</th>
<th>SARA 313 - Threshold Values</th>
</tr>
</thead>
<tbody>
<tr>
<td>Methyl alcohol</td>
<td>67-56-1</td>
<td>0.1-1</td>
<td>1.0</td>
</tr>
</tbody>
</table>

SARA 311/312 Hazardous Categorization

<table>
<thead>
<tr>
<th>Acute Health Hazard</th>
<th>Chronic Health Hazard</th>
<th>Fire Hazard</th>
<th>Sudden Release of Pressure Hazard</th>
<th>Reactive Hazard</th>
</tr>
</thead>
<tbody>
<tr>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>No</td>
</tr>
</tbody>
</table>

CERCLA

16. OTHER INFORMATION

Prepared By: Samantha Purvis
Supercedes Date: 02/26/2016
Issuing Date: 08/01/2016
Reason for Revision: No information available.
Glossary: No information available.
List of References: No information available.

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