MATERIAL SAFETY DATA SHEET

RHEIN CHEMIE CORPORATION
145 Parker Court
Chardon, OH 44024

TRANSPORTATION EMERGENCY
CALL CHEMTREC.........: (800) 424-9300
INTERNATIONAL .......: (703) 527-3887

NON-TRANSPORTATION
RCC EMERGENCY PHONE : (440) 285-3547
RCC INFORMATION PHONE: (800) 289-2436

Section 1: Product and Company Identification

Product Name: ADDOCAT® 6135 LIQ 462D
Article Number: 1569248

Section 2: Composition/Information on Ingredients

HAZARDOUS INGREDIENTS

<table>
<thead>
<tr>
<th>Ingredient Name/ CAS Number</th>
<th>Exposure Limits</th>
<th>Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oxazine 6425-39-4</td>
<td>OSHA (PEL): Not Established</td>
<td>95%</td>
</tr>
<tr>
<td></td>
<td>ACGIH (TLV): Not Established</td>
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</table>

Section 3: Hazards Identification

EMERGENCY OVERVIEW

CAUTION! Color: Colorless to Yellow  Form: Liquid  Odor: Pungent odor (Amine like)
May cause eye, skin, and respiratory tract irritation. Use water as fog or mist; solid streams may spread fire. Irritating gases/fumes may be given off during burning or thermal decomposition.

POTENTIAL HEALTH EFFECTS

Route(s) of Entry: Inhalation, Skin Contact, Eye Contact, Ingestion
HUMAN EFFECTS AND SYMPTOMS OF OVEREXPOSURE

Inhalation Hazards
Acute Inhalation Hazards: This product may cause irritation of the respiratory tract and mucous membranes of the nose and throat. Inhalation of vapors from heated product may cause respiratory irritation with symptoms of coughing, sneezing, or dryness of throat.

Chronic Inhalation Hazards: None reported for this product as a whole.

Skin Hazards
Acute Skin Hazards: This product may cause skin irritation.

Chronic Skin Hazards: None reported for this product as a whole.

Eye Hazards
Acute Eye Hazards: This product may cause some irritation with redness, tearing, and pain.

Chronic Eye Hazards: None reported for this product as a whole.

Ingestion Hazards
Acute Ingestion Hazards: Not a likely route of exposure. However, if ingested this product is expected to cause some gastrointestinal distress with nausea and vomiting.

Chronic Ingestion Hazards: None reported for this product as a whole.

Carcinogenic Components:
NTP: None
IARC: None
OSHA: None

Medical Conditions Aggravated by Exposure: None reported

Section 4: First Aid Measures

First Aid for Eye: In case of contact, flush eyes with large quantities of water for at least 15 minutes. The eyelids should be held apart during irrigation to ensure thorough flushing of all eye tissue. Get medical attention if irritation develops or persists.

First Aid for Skin: In case of skin contact, wash affected areas with soap and water. Immediately remove contaminated clothing and shoes. Wash clothing and clean shoes before reuse. Get medical attention if irritation develops or persists.

First Aid for Inhalation: If inhaled, remove to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Seek medical attention if irritation develops or persists.
First Aid for Ingestion: If material is ingested, do not induce vomiting unless directed to do so by medical personnel. Get medical attention.

Section 5: Fire Fighting Measures

Flash Point: Approximately > 294.8 °F (> 146 °C) Tagliabue Closed Cup (ASTM D-56)

Flammable Limits:
- Upper Explosion Limit (UEL %): 3.3
- Lower Explosion Limit (LEL %): 0.6

Auto-ignition Temperature: 410 °F (210 °C)

Extinguishing Media:
- Suitable: Water, Carbon Dioxide, Dry Chemical, Foam

Special Fire Fighting Procedures:
Evacuate non-emergency personnel to a safe area. During a fire, irritating and toxic gases may be generated by thermal decomposition or combustion. Full emergency equipment with self-contained breathing apparatus and full protective clothing should be worn by firefighters.

Section 6: Accidental Release Measures

Spill or Leak Procedures:
Extinguish all ignition sources. Emergency clean-up personnel should wear appropriate protection when entering the spill area for clean-up. Cover the spill with absorbent material such as sand, sweeping com pound or diatomaceous earth. Scoop up solid absorbent for waste disposal. Ventilate area to remove vapors.

Section 7: Handling and Storage

Storage Temperature: Store at ambient conditions

Shelf Life: 24 Months

Special Sensitivity: Heat and sources of ignition.

Handling/Storage Precautions: Handle in accordance with good industrial hygiene and safety practices. Avoid inhalation and skin or eye contact with processing fumes. Use local exhaust ventilation above processing equipment. Avoid contact with eyes and skin. Keep away from heat, sparks and flames. Store in a dry place away from excessive heat. Keep container tightly closed when not in use. Store away from food and beverages. Storage area should be equipped with sprinkler system.

Other Notes: After opening, purge container with nitrogen before closing.
Section 8: Exposure Controls/Personal Protection

**Personal Protection Equipment**

**Eye Protection Requirements:** Chemical safety goggles. In a splash hazard environment chemical goggles should be used in combination with a full face-shield.

**Skin Protection Requirements:** Permeation resistant gloves (neoprene, nitrile, or PVC) and impervious clothing (long sleeve shirts) are recommended.

**Ventilation Requirements:** Use local exhaust ventilation if dusting is a problem, to maintain air levels below the recommended exposure limit.

**Respirator Requirements:** The specific respirator selected must be based on contamination levels found in the workplace, must not exceed the working limits of the respirator and be jointly approved by the National Institute for Occupational Safety and Health and the Mine Safety and Health Administration (NIOSH-MSHA). Observe OSHA regulations for respirator use (29 CFR 1910.134.)

**Additional Protective Measures:**
- Emergency showers and eye wash stations should be available.
- Employees should wash their hands and face before eating, drinking, or using tobacco products.
- Educate and train employees on the safe use and handling of this product.

Section 9: Physical and Chemical Properties

**Physical Form:** Liquid

**Color:** Colorless to Yellow

**Odor:** Pungent odor (Amine like)

**pH:** 10.4

**Boiling Point:** > 608 °F (> 320 °C)

**Melting/Freezing Point:** -18.4 °F (-28 °C)

**Viscosity:** 29 mPa.s @ 68 °F (20 °C)

**Solubility in Water:** @ 68 °F (20 °C) Miscible

**Specific Gravity:** 1.06

**Bulk Density:** Not Established

**Vapor Pressure:** 5.17 mmHg @ 68 °F (20 °C)

**Vapor Density:** Not Established

Section 10: Stability and Reactivity

**Stability:** Stable

**Hazardous Polymerization:** Will not occur

**Substances to Avoid:** Acids, Isocyanates

**Conditions to Avoid:** Avoid heat, flames, sparks and other sources of ignition.
Decomposition Temperature: Not Established
Decomposition Products: Oxides of carbon, Oxides of nitrogen

Section 11: Toxicological Information

Toxicity Data for ADDOCAT® 6135 LIQ 462D
Toxicity Note: No data available for this product.

Toxicity Data for Oxazine
Acute oral toxicity: LD50 = 2.025 mg/kg (Rat)
Acute dermal toxicity: LD50 = 3.038 mg/kg (Rabbit)

Section 12: Ecological Information

Ecological Data for ADDOCAT® 6135 LIQ 462D
Ecological Note: No data available for this component.

Ecological Data for Oxazine
Ecological Note: No data available for this component.

Section 13: Disposal Considerations

Waste Disposal Method: Disposal must be in compliance with federal, state and local environmental control regulations.
Empty Container Precautions: Recondition or dispose of empty container in accordance with government regulations.
Other Disposal Notes: Rhein Chemie requires that CHEMTREC be immediately notified (800-424-9300) when this product is unintentionally released from its container during its course of distribution, regardless of the amount released. Such notification must be immediate and made by the person having knowledge of the release. Distribution includes transportation, storage incidental to transportation, loading and unloading.

Section 14: Transportation Information

Technical shipping name: Heterocyclic Organic Compound
Product Label: Product Label Established
Domestic Surface Transportation (DOT)
Hazard Class or Division: Non-Regulated

Marine Transportation (IMO / IMDG)
Hazard Class Division Non-Regulated
Number:

Air Transportation (ICAO / IATA)
Hazard Class Division Non-Regulated
Number:

Section 15: Regulatory Information

United States Federal Regulations

OSHA Hazcom Standard Hazardous
Rating:

TSCA Inventory List: On TSCA Inventory

CERCLA Hazardous Substance:
Component(s) None

Reportable Quantity

SARA Title III
SARA Section 302 Extremely Hazardous Substances:
Component(s)/ None
CAS Number

Concentration
Min. Max.

SARA Section 311/312 Hazard Categories:
Immediate Health Hazard

SARA Section 313 Toxic Chemicals:
Component(s)/ None
CAS Number

Reporting
Threshold
Min. Max.

RCRA Status: Under RCRA, it is the responsibility of the product user to determine at the time of disposal, whether a material containing the product or derived from the product, should be classified as a hazardous waste. (40 CFR 261.20-24)

The following chemicals are specifically listed by individual states; other product specific health and safety data in other sections of the MSDS may also be applicable for state requirements. For details on your regulatory requirements you should contact the appropriate agency in your state.

State Right-to-Know Information
Component(s)/
CAS Number Oxazine 6425-39-4 Impurities
State Code PA-N, NJ-N
Concentration
Min. Max. 95% 1% 5%
State Code Translation Table
PA-N = Pennsylvania Non-hazardous
NJ-N = New Jersey Other - includes predominant ingredients

Foreign Chemical Inventory List(s)
EINECS (Europe): Listed
DSL (Canada): Listed
AICS (Australia): Listed
MITI (Japan): Listed
MOE (Korea): Listed
PICCS (Philippines): Listed

Section 16: Other Information

HMIS Rating

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<th>3</th>
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<td>Health</td>
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<td>Flammability</td>
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<td>Reactivity</td>
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0=Minimal 1=Slight 2=Moderate 3=Serious 4=Severe
*=Chronic Health Hazard

RHEIN CHEMIE CORPORATION's method of hazard communication is comprised of Product Labels and Material Safety Data Sheets. HMIS and NFPA ratings are provided by RHEIN CHEMIE CORPORATION as a customer service.

Contact: HES Dept.
Phone: (440) 285-3547
MSDS Number: 00000000843
Version Date: 08/08/2008
MSDS Version: 2.1

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Indicates Relevant Change Made.