



## MATERIAL SAFETY DATA SHEET REMANUFACTURED HP 8767 (96)

### SECTION 1: IDENTIFICATION

**MANUFACTURER:** Clover Technologies **EMERGENCY NUMBER:** (815) 431-8100  
**ADDRESS:** 4200 Columbus St. **INFORMATION NUMBER:** (815) 431-8100  
Ottawa, IL 61350 **DATE OF REVISION:** May 8, 2014

### SECTION 2: PRODUCT COMPONENTS

| INGREDIENTS    | CAS#.    | WT. % |
|----------------|----------|-------|
| 2-Pyrrolidone  | 616-45-5 | 5-15  |
| Diol           | STS108   | 1-10  |
| Glycol Solvent | STS111   | 1-10  |

### SECTION 3: HAZARDS IDENTIFICATION

**EMERGENCY OVERVIEW:** This product is a black liquid with a mild odor.

**CAUTION!** May cause mild eye and skin irritation. Inhalation of vapors or mists may cause irritation, headache, dizziness and other central nervous system effects. Swallowing may cause kidney damage.

See Section 11 for detailed health effects information.

### SECTION 4: EMERGENCY and FIRST AID PROCEDURES

**INGESTION:** Call a poison control center or doctor immediately for treatment advice. If conscious, give one 8 ounce glass of water to dilute. DO NOT induce vomiting unless directed by medical personnel. Do not give anything by mouth to or induce vomiting in a person who is unconscious or convulsing.

**SKIN CONTACT:** Remove contaminated clothing. Wash contact area thoroughly with soap and water. Get medical attention if irritation develops and persists. Launder contaminated clothing before reuse.

**EYE CONTACT:** Flush eyes with water while lifting the upper and lower lids. Get medical attention if irritation persists.

**INHALATION:** Remove victim to fresh air. If breathing has stopped, give artificial respiration. If breathing is difficult have qualified personnel administer oxygen. Get medical attention.

### SECTION 5: FIRE and EXPLOSION HAZARD DATA

**FLASH POINT:** None

**AUTOIGNITION TEMPERATURE:** Not available

**FLAMMABLE LIMITS:** (vol % in air) LEL: Not applicable  
UEL: Not available

**EXTINGUISHING MEDIA:** Use media appropriate to the surrounding fire.

**SPECIAL FIRE FIGHTING PROCEDURES:** Firefighters should wear full emergency equipment and NIOSH approved positive pressure self-contained breathing apparatus. Cool fire exposed containers and structures with water.

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** None known.

**HAZARDOUS COMBUSTION PRODUCTS:** Carbon monoxide, carbon dioxide, tetrahydrofuran and oxides of nitrogen.



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#### SECTION 6: ACCIDENTAL RELEASE MEASURES

**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:** Wear appropriate protective clothing as described in Section 8. Dike spill and absorb with inert material. Collect into closable containers for proper disposal. Flush area with plenty of water. Report spill as required by local and federal regulations.

#### SECTION 7: HANDLING and STORAGE

**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:** Protect containers from physical damage. Store in a cool, dry area away from oxidizers and other incompatible materials.

Avoid contact with eyes, skin and clothing. Avoid breathing vapors. Use with adequate ventilation. Remove and launder contaminated clothing before re-use. Wash thoroughly after handling and before eating, drinking, smoking or using toilet facilities.

**OTHER PRECAUTIONS:** None

#### SECTION 8: EXPOSURE CONTROLS and PERSONAL PROTECTION

| INGREDIENTS    | CAS#.    | EXPOSURE LIMITS  |
|----------------|----------|------------------|
| 2-Pyrrolidone  | 616-45-5 | None Established |
| Diol           | STS108   | None Established |
| Glycol Solvent | STS111   | None Established |

**EXPOSURE LIMITS:** Use in a well ventilated area.

**PERSONAL PROTECTIVE EQUIPMENT:** Select in accordance with OSHA 1910.134 and good Industrial Hygiene practice.

**PROTECTIVE CLOTHING:** Use personal protective equipment to minimize exposure to skin and eye.

#### SECTION 9: PHYSICAL and CHEMICAL PROPERTIES

**BOILING POINT (@760 mmHg):** 200°F

**SPECIFIC GRAVITY (H<sub>2</sub>O=1):** 1.00 – 1.10

**VAPOR PRESSURE:** Not Available

**VAPOR DENSITY (Air=1):** Heavier than air

**SOLUBILITY IN WATER:** Complete

**APPEARANCE AND ODOR:** Black liquid with a mild odor.

**FREEZING POINT:** Not available

**COEFFICIENT of WATER/OIL:** Not available

**EVAPORATION RATE:** > Butyl Acetate

**pH:** 7.0 -8.5

#### SECTION 10: STABILITY and REACTIVITY

**STABILITY:** Stable.

**CONDITIONS TO AVOID:** None known.

**INCOMPATIBILITY:** Strong oxidizing agents, acids and strong hydrogen peroxide.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Thermal decomposition may yield carbon monoxide, carbon dioxide, tetrahydrofuran, and nitrogen oxides.

**HAZARDOUS POLYMERIZATION:** Will not occur.



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**SECTION 11: TOXICOLOGICAL INFORMATION**

None Available

**SECTION 12: ECOLOGICAL INFORMATION**

None Available

**SECTION 13: DISPOSAL INFORMATION**

**WASTE DISPOSAL METHOD:** Dispose of in accordance with all local, state and federal regulations.

**SECTION 14: TRANSPORTATION INFORMATION**

**DOMESTIC TRANSPORTATION**

**DOT SHIPPING NAME:** Not Regulated

**DOT HAZARD CLASSIFICATION:** Not Regulated

**DOT LABELS REQUIRED (49CFR172.101):** Not Applicable

**UN NUMBER:** None

**INTERNATIONAL TRANSPORTATION**

**IMDG SHIPPING NAME:** Not Regulated

**IMDG CLASS:** Not Regulated

**UN NUMBER:** Not Applicable

**IMDG LABEL:** None

**SECTION 15: REGULATORY INFORMATION**

**OSHA HAZARD CLASSIFICATION:** Product not tested. It is not considered to be toxic per 29CFR1910.1200 but is considered to be a skin/eye irritant.

**EPA SARA 311 HAZARD CLASSIFICATION:** Product not listed.

**SARA TITLE 111 SECTION 313 INFORMATION:** This product contains the following chemicals that are regulated under SARA 313:

| COMPONENT | CAS # | WT% |
|-----------|-------|-----|
| None      |       |     |

**NEW JERSEY REPORTABLE COMPONENTS:**

| COMPONENT              | CAS #     |
|------------------------|-----------|
| Water                  | 7732-18-5 |
| 2-Pyrrolidone          | 616-45-5  |
| Diol                   | STS108    |
| Glycol Solvent         | STS111    |
| Carbon Black, Modified | STS100    |

**CERCLA HAZARDOUS SUBSTANCE (40CFR 116):** Not applicable

**REPORTABLE QUANTITY:** Not applicable



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**CALIFORNIA PROPOSITION 65 INFORMATION:** None

|                                      |
|--------------------------------------|
| <b>SECTION 16: OTHER INFORMATION</b> |
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|                                |          |                |
|--------------------------------|----------|----------------|
| <b>NFPA Rating:</b> Health = 1 | Fire = 0 | Reactivity = 0 |
| <b>HMIS Rating:</b> Health = 2 | Fire = 0 | Reactivity = 0 |