

# SAFETY DATA SHEET



**Date Prepared :** 04/19/2010  
**MSDS No :** 1257  
**Date Revised :** 03/30/2015  
**Revision No :** 2

## Otto Klean II

### 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** Otto Klean II  
**GENERAL USE:** Cleaner  
**PRODUCT CODE:** 1257

#### MANUFACTURER

Detco Industries, Inc.  
 PO Box 430  
 Conway, AR 72033  
**Product Stewardship:** (800) 282-2133

#### 24 HR. EMERGENCY TELEPHONE NUMBERS

**CHEMTREC (US Transportation) :**(800) 424 - 9300

### 2. HAZARDS IDENTIFICATION

#### GHS CLASSIFICATIONS

##### Health:

Skin Corrosion, Category 1B  
 Serious Eye Damage, Category 1

#### GHS LABEL



Corrosion

**SIGNAL WORD:** DANGER

#### HAZARD STATEMENTS

H314: Causes severe skin burns and eye damage.

#### PRECAUTIONARY STATEMENT(S)

##### Prevention:

P264: Wash hands thoroughly after handling.  
 P280: Wear protective gloves/protective clothing/eye protection/face protection.

##### Response:

P301+P330+P331: IF SWALLOWED: rinse mouth. Do NOT induce vomiting.  
 P303+P361+P353: IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.  
 P363: Wash contaminated clothing before reuse.  
 P304+P340: IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.  
 P310: Immediately call a POISON CENTER or doctor/physician.  
 P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

##### Storage:

P405: Store locked up.

##### Disposal:

P501: Dispose of contents/container in accordance with federal, state and local regulations.

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### 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt. %	CAS
Water	to 100%	7732-18-5
Potassium Hydroxide	10 - 15%	1310-58-3
Sodium Hydroxide	2 - 5%	1310-73-2
Monoethanolamine	2 - 5%	141-43-5
D-gluconic Acid, Monosodium Salt	2 - 5%	527-07-1

### 4. FIRST AID MEASURES

**EYES:** Flush eyes with water for at least 15 minutes. If pain and/or irritation persists, get medical attention.

**SKIN:** Flush affected area with water for 15 minutes. Remove contaminated clothing. If pain and/or irritation persists, get medical attention. Launder clothes before reusing.

**INGESTION:** Do not induce vomiting. Give 2 glasses of water. Get immediate medical attention.

**INHALATION:** Remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Seek immediate medical attention.

### 5. FIRE FIGHTING MEASURES

**GENERAL HAZARD:** None.

**EXTINGUISHING MEDIA:** Carbon dioxide, water, foam or dry chemical.

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

### 6. ACCIDENTAL RELEASE MEASURES

**SMALL SPILL:** Contain spill. Neutralize with a dilute acid solution. Absorb liquid and place in sealed container for disposal.

### 7. HANDLING AND STORAGE

**STORAGE:** Store in a tightly closed container.

### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

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### EXPOSURE GUIDELINES

OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200)							
		EXPOSURE LIMITS					
		OSHA PEL		ACGIH TLV		Supplier OEL	
Chemical Name		ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>
Sodium Hydroxide	TWA	[1]	2 [1]			NL	NL
	STEL	[2]	[2]			NL	NL
Monoethanolamine	TWA	3 ppm [1]	6 mg/m <sup>3</sup> [1]	3 ppm	7.5 mg/m <sup>3</sup>	NL ppm	NL mg/m <sup>3</sup>
	STEL	ppm	mg/m <sup>3</sup>	6 ppm	15 mg/m <sup>3</sup>	NL ppm	NL mg/m <sup>3</sup>

**Footnotes:**  
 1. NL = Not Listed  
 2. C = Ceiling

### PERSONAL PROTECTIVE EQUIPMENT

**EYES AND FACE:** Wear safety glasses with side shields (or goggles).

**SKIN:** Wear rubber or nitrile gloves.

**RESPIRATORY:** None.

**PROTECTIVE CLOTHING:** Synthetic apron.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

**PHYSICAL STATE:** Liquid

**ODOR:** Slight

**COLOR:** Amber

**pH:** 13.5

**FLASHPOINT AND METHOD:** Not Flammable

**FLAMMABLE LIMITS:** N/D to N/D

**VAPOR PRESSURE:** Not Determined

**VAPOR DENSITY:** Not Determined

**BOILING POINT:** Not Determined

**FREEZING POINT:** Not Determined

**SOLUBILITY IN WATER:** Soluble

**EVAPORATION RATE:** Not Determined

**SPECIFIC GRAVITY:** 1.18 to 1.185

**(VOC):** < 0.100 %

**COEFF. OIL/WATER:** Not Determined

### 10. STABILITY AND REACTIVITY

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**HAZARDOUS POLYMERIZATION:** Will not occur.

**STABILITY:** Stable.

**CONDITIONS TO AVOID:** None.

**HAZARDOUS DECOMPOSITION PRODUCTS:** None known.

**INCOMPATIBLE MATERIALS:** Strong acids, organic materials.

### 11. TOXICOLOGICAL INFORMATION

#### CARCINOGENICITY

**Notes:** None.

### 12. ECOLOGICAL INFORMATION

**ECOTOXICOLOGICAL INFORMATION:** Not available.

### 13. DISPOSAL CONSIDERATIONS

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

### 14. TRANSPORT INFORMATION

#### DOT (DEPARTMENT OF TRANSPORTATION)

**PROPER SHIPPING NAME:** Corrosive Liquid N.O.S

**TECHNICAL NAME:** (Potassium Hydroxide, Sodium Hydroxide)

**PRIMARY HAZARD CLASS/DIVISION:** 8

**UN/NA NUMBER:** 1760

**PACKING GROUP:** II

### 15. REGULATORY INFORMATION

#### UNITED STATES

#### DOT LABEL SYMBOL AND HAZARD CLASSIFICATION



Corrosive

#### CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)

Chemical Name	Wt. %	CERCLA RQ
Potassium Hydroxide	10 - 15%	1,000
Sodium Hydroxide	2 - 5%	1,000 lbs.

### 16. OTHER INFORMATION

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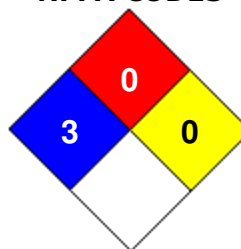
**PREPARED BY:** E. Spicer      **Date Revised:** 03/30/2015

**REVISION SUMMARY:** This MSDS replaces the 03/10/2015 MSDS. Revised: **Section 9:** COEFF. OIL/WATER.

### HMIS RATING

<b>HEALTH</b>	<input type="checkbox"/>	<b>3</b>
<b>FLAMMABILITY</b>		<b>0</b>
<b>PHYSICAL HAZARD</b>		<b>0</b>
<b>PERSONAL PROTECTION</b>		<b>C</b>

### NFPA CODES



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