

Material Safety Data Sheet

C11

HMIS RATING

QU Health: 3
Flammability: 0
Reactivity: 0
Personal Protection:

Distributed By: Eastern Oil Company

590 South Paddock, Pontiac, MI 48341

Emergency Telephone No. 1-248-333-1333

Other Information

Calls 1-248-333-1333

Date Prepared December 2, 2008

Drug Water

Signature of Person Responsible
for Preparation

SECTION 1 - IDENTITY

Common Name: (used on label)
(Trade Name & Synonyms)

FormClean 42359 (Heavy Duty Concentrated Degreaser)

Cas No. N/A

Chemical Name
ALKALINE MIXTURE

Chemical Family
ALKALINE CLEANING COMPOUND

Formula

SECTION 2 - HAZARDOUS INGREDIENTS

Principal Hazardous Component(s) [chemical & common name(s)]	Approx %		Threshold Limit Value (units)
SODIUM METASILICATE	2%-5%	CAS# 6834-92-0	
MONOETHANOLAMINE	2%-5%	CAS# 141-43-5	TWA: 3 ppm
2-BUTOXYETHANOL	2%-5%	CAS# 111-76-2	PEL: 240 mg/m3 TLV: 25ppm

SECTION 3 - PHYSICAL & CHEMICAL CHARACTERISTICS (Fire & Explosion Data)

Boiling Point	APPROX 210°F	Specific Gravity (H ₂ O=1)	1.04
Percent Volatile by volume (%)	5%	Evaporation Rate (WATER=1)	1
Solubility in Water	COMPLETE	Reactivity in Water	STABLE
Appearance and Odor	PURPLE LIQUID / CLEAR. MILD ODOR		

Flash Point	N/A	Flammable limits in Air % by Volume	Lower N/A	Upper N/A	Extinguisher Media	N/A	Auto-Ignition Temperature	N/A
Special fire Fighting Procedure	N/A							

pH of Concentrate 12.4 - 13.0

Unusual Fire and Explosion Hazards N/A

SECTION 4 - PHYSICAL HAZARDS

Stability Unstable ☐ Conditions
Stable ☒ to Avoid

Incompatibility
(Materials to Avoid) **STRONG ACIDS AND OTHER STRONG OXIDIZERS.**

Hazardous
Decomposition Products **OXIDES OF CARBON AND NITROGEN.**

Hazardous May Occur ☐ Conditions
Polymerization Will Not Occur ☒ to Avoid

SECTION 5 - HEALTH HAZARDS

CAUTION: STRONG ALKALINE MATERIAL. AVOID CONTACT WITH EYES & SKIN

Threshold
Limit Value **CORROSIVE LIQUID**

Signs and 1. Acute **INHALATION** if misted; IRRITATING and BURNING SENSATION. **EYE & SKIN CONTACT;**
Symptoms of Exposure Overexposure IRRITATION with possible chemical BURNS. **INGESTION:** HARMFUL - G.I. DISTURBANCES and
IRRITATION.

2. Chronic
Overexposure **N/D**

Medical Conditions Generally
Aggravated by Exposure **N/D**

Route(s)
of Entry: **EYES, SKIN, INGESTION, INHALATION**

Chemical Listed as Carcinogen	National Toxicology	Yes <input type="checkbox"/>	I.A.R.C.	Yes <input type="checkbox"/>	OSHA	Yes <input type="checkbox"/>
Or Potential Carcinogen	Program	No <input checked="" type="checkbox"/>	Monographs	No <input checked="" type="checkbox"/>		No <input checked="" type="checkbox"/>
OSHA Permissible	ACGIH Threshold		Other Exposure			
Exposure Limit	Limit Value	N/D	Limit Used	N/D		

Emergency and
First Aid Procedures

1. Inhalation **REMOVE TO FRESH AIR. CONSULT PHYSICIAN**

2. Eyes **FLUSH WITH WATER 15 MINUTES. CONSULT PHYSICIAN PROMPTLY.**

3. Skin **CONSULT PHYSICIAN. REMOVE CONTAMINATED CLOTHING. WASH WITH SOAP AND WATER.**

4. Ingestion **DRINK MILK OR WATER. CONSULT PHYSICIAN IMMEDIATELY.**

SECTION 6 - SPECIAL PROTECTION INFORMATION

Respiratory Protection
(Specific Type) **RECOMMENDED IF SEVERE VAPORS OR MISTS ARE GENERATED, & VENTILATION IS NOT SUFFICIENT.**

Ventilation Local Exhaust **X** Mechanical Exhaust **X** Special (General) Other
RECOMMENDED IF SEVERE VAPORS OR MISTS ARE GENERATED, & VENTILATION IS NOT SUFFICIENT.

Protective
Gloves **REQUIRED** Eye
Protection **REQUIRED: ANTI-SPLASH SAFETY GLASSES OR GOGGLES.**

Other Protective
Clothing or Equipment **As Required for Alkaline Liquid.**

SECTION 7 - SPECIAL PRECAUTIONS AND SPILL/LEAK PROCEDURES

Precautions to be Taken
in Handling and Storage **DO NOT FREEZE. STORE IN COOL, DRY PLACE. KEEP CONTAINER CLOSED DURING STORAGE.**

Use "CAUTION" When Handling Alkaline Liquids - Avoid Eye Contact!

Other
Precautions **KEEP OUT OF REACH OF CHILDREN.**

Steps to be Taken in Case
Material is Released or Spilled **FLUSH WITH WATER AND MOP DRY.**

Waste Disposal
Methods **SCAVENGER SERVICE OR DILUTE WITH COPIUS AMOUNTS OF WATER AND FLUSH INTO NORMAL PLANT EFFLUENT ALL ACCORDING TO
LOCAL, STATE, AND FEDERAL LAWS.**

SECTION 8 - DISCLAIMER

THE DATA AND INFORMATION PRESENTED HEREIN, WHILE NOT GUARANTEED, IS TO THE BEST OF OUR KNOWLEDGE ACCURATE AND TRUE.
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