



# MATERIAL SAFETY DATA SHEET

## Now

MSDS: 2-04

Original Date: 02/26/2006

Revision date: 08/16/2013

### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Chemical Family: Cleaning Compound Liquid    **Molecular Formula:** Mixture    **Molecular Weight:** Not available

#### MANUFACTURER:

Dynacco, Inc  
7461 147<sup>TH</sup> Street S.E  
P O Box 27  
Monroe, WA 98272 USA

INFORMATION PHONE: 360-794-8974  
24-HOUR EMERGENCY: CHEM-TEL 800-255-3924

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

#### OSHA REGULATED COMPONENTS

Component / CAS No.	% (w/w)	OSHA (PEL):	ACGIH (TLV)	Carcinogen
Granular anhydrous sodium metasilicate 94266-47-4	1 – 3	Not established	Not established	-----
Caustic Potash 1310583	45 – 75	2mg/Cubic Meter as a ceiling limit		

### 3. HAZARDS IDENTIFICATION

#### EMERGENCY OVERVIEW

#### APPEARANCE AND ODOR:

Color: Purple  
Appearance: Liquid  
Odor: None

#### STATEMENTS OF HAZARD:

Warning! Causes eyes and skin irritation.

#### POTENTIAL HEALTH EFFECTS

##### EFFECTS OF EXPOSURE:

The acute oral (rat) LD50 and acute dermal (rabbit) LD50 values for this material are >2000 mg/kg, >5000 mg/kg, respectively. Direct contact with this material may cause moderate eye and skin irritation. The toxicological properties of this material have not been fully investigated. Refer to Section 11 for toxicology information on the regulated components of this product.

### 4. FIRST AID MEASURES

**Ingestion:** If swallowed, call a physician immediately. Only induce vomiting at the instruction of a physician. Never give anything by mouth to an unconscious person.

**Skin Contact:** Wash immediately with plenty of water and soap.

**Eye Contact:** Rinse immediately with plenty of water for at least 15 minutes. Obtain medical advice if there are persistent symptoms.

**Inhalation:** Remove to fresh air. If breathing is difficult, give oxygen. Obtain medical advice if there are persistent symptoms.

### 5. FIRE-FIGHTING MEASURES

**Suitable Extinguishing Media:** Use water spray or fog, carbon dioxide or dry chemical.

**Protective Equipment:** Firefighters, and others exposed, wear self-contained breathing apparatus. Wear full firefighting protective clothing. See MSDS Section 8 (Exposure Controls/Personal Protection).

**Special Hazards:** Keep containers cool by spraying with water if exposed to fire.

## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions:** Refer to Section 8 (Exposure Controls/Personal Protection) for appropriate personal protective equipment.

**Methods For Cleaning Up:** Cover spills with some inert absorbent material; sweep up and place in a waste disposal container. Flush spill area with water.

## 7. HANDLING AND STORAGE

**HANDLING:** Avoid contact with eyes, skin and clothing. Avoid breathing vapor. Use with adequate ventilation. Keep container closed. Wash thoroughly after handling.

**Special Handling Statements:** Provide good ventilation of working area (local exhaust ventilation if necessary). During processing and handling of the product, comply with the indicative occupational exposure limit values.

**STORAGE** Store in a cool, dry, well ventilated place and keep container tightly closed. Observe the general rules of industrial fire protection.

**Storage Temperature:** Store at Room temperature

**Reason:** Integrity.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Engineering Measures:

Engineering controls are not usually necessary if good hygiene practices are followed.

### Respiratory Protection:

None recommended

### Eye Protection:

Wear eye/face protection.

### Skin Protection:

Avoid skin contact. Wear impermeable gloves.

### Additional Advice:

Before eating, drinking, or smoking, wash face and hands thoroughly with soap and water.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Color:</b>	Purple
<b>Appearance:</b>	Liquid
<b>Odor:</b>	None
<b>Boiling Point:</b>	200 °F method estimated
<b>Melting Point:</b>	-40 °C Not available
<b>Vapor Pressure:</b>	0.1hPa @ 20 °C
<b>Specific Gravity/Density:</b>	1.022@ 20 °C method estimated
<b>Vapor Density:</b>	1.06g/cm <sup>3</sup> @ 20 °C
<b>Percent Volatile (% by wt.):</b>	Not available
<b>pH:</b>	12.8
<b>Saturation In Air (% By Vol.):</b>	Not available
<b>Evaporation Rate:</b>	Not available
<b>Solubility In Water:</b>	Not available
<b>Volatile Organic Content:</b>	Not available
<b>Flash Point:</b>	170 °F method estimated
<b>Flammable Limits (% By Vol):</b>	Not available
<b>Autoignition Temperature:</b>	Not available
<b>Decomposition Temperature:</b>	Not available
<b>Partition coefficient (n-octanol/water):</b>	Not available
<b>Odor Threshold:</b>	Not available

## 10. STABILITY AND REACTIVITY

<b>Stability:</b>	Stable
<b>Conditions To Avoid:</b>	This product is stable at room temperature and in normal handling conditions. None known
<b>Polymerization:</b>	Will not occur
<b>Conditions To Avoid:</b>	None known
<b>Materials To Avoid:</b>	None Known
<b>Hazardous Decomposition Products:</b>	Carbon monoxide Carbon dioxide smoke aromatic and aliphatic hydrocarbons

## 11. TOXICOLOGICAL INFORMATION

Toxicological information for the product is found under Section 3. HAZARDS IDENTIFICATION. Toxicological information on the regulated components of this product is as follows:

No data available on product.

### Acute effects

This product has not been tested. However, on the basis of its degree of alkalinity, it is regarded as irritant to the skin and eyes.

## 12. ECOLOGICAL INFORMATION

The ecological properties of this material have not been fully investigated. An assessment has been initiated to determine possible environmental effects.

**DEGRADATION :** biodegradability

## 13. DISPOSAL CONSIDERATIONS

The information on RCRA waste classification and disposal methodology provided below applies only to the product, as supplied. If the material has been altered or contaminated, or it has exceeded its recommended shelf life, the guidance may be inapplicable. Hazardous waste classification under federal regulations (40 CFR Part 261 et seq) is dependent upon whether a material is a RCRA `listed hazardous waste` or has any of the four RCRA `hazardous waste characteristics.` Refer to 40 CFR Part 261.33 to determine if a given material to be disposed of is a RCRA `listed hazardous waste`; information contained in Section 15 of this MSDS is not intended to indicate if the product is a `listed hazardous waste.` RCRA Hazardous Waste Characteristics: There are four characteristics defined in 40 CFR Section 261.21-61.24: Ignitability, Corrosivity, Reactivity, and Toxicity. To determine Ignitability, see Section 9 of this MSDS (flash point). For Corrosivity, see Sections 9 and 14 (pH and DOT corrosivity). For Reactivity, see Section 10 (incompatible materials). For Toxicity, see Section 2 (composition). Federal regulations are subject to change. State and local requirements, which may differ from or be more stringent than the federal regulations, may also apply to the classification of the material if it is to be disposed. The Company encourages the recycle, recovery and reuse of materials, where permitted, as an alternate to disposal as a waste. The Company recommends that organic materials classified as RCRA hazardous wastes be disposed of by thermal treatment or incineration at EPA approved facilities. The Company has provided the foregoing for information only; the person generating the waste is responsible for determining the waste classification and disposal method.

## 14. TRANSPORT INFORMATION

This section provides basic shipping classification information. Refer to appropriate transportation regulations for specific requirements.

**US DOT** Proper Shipping Name: Compounds, Cleaning, Liquid, (Caustic Potash), 8, NA-1760, PG III

Hazardous Substances: Caustic Potash

**TRANSPORT CANADA**

Proper Shipping Name: Compounds, Cleaning Liquid , (Caustic Potash), 8, UN-1760, PGIII

**ICAO / IATA**

Proper Shipping Name: Not applicable/Not regulated

Packing Instructions/Maximum Net Quantity Per Package:

Passenger Aircraft: -

Cargo Aircraft: -

**IMO**

Proper Shipping Name: Not applicable/Not regulated

**15. REGULATORY INFORMATION****INVENTORY INFORMATION**

**United States (USA):** All components of this product are included on the TSCA Chemical Inventory or are not required to be listed on the TSCA Chemical Inventory.

**Canada:** All components of this product are included NOT the Domestic Substances List (DSL).

**European Union (EU):** All components of this product are NOT included on the European Inventory of Existing Chemical Substances (EINECS).

**Australia:** One or more components of this product have NOT yet been included in the Australian Inventory of Chemical Substances (AICS) or assessed by NICNAS.

**China:** All components of this product are NOT included on the Chinese inventory.

**Japan:** All components of this product are NOT included on the Japanese (ENCS) inventory.

**Korea:** All components of this product are NOT included on the Korean (ECL) inventory.

**Philippines:** All components of this product are NOT included on the Philippine (PICCS) inventory.

**OTHER ENVIRONMENTAL INFORMATION**

The following components of this product may be subject to reporting requirements pursuant to Section 313 of CERCLA (40 CFR 372), Section 12(b) of TSCA, or may be subject to release reporting requirements (40 CFR 307, 40 CFR 311, etc.) See Section 13 for information on waste classification and waste disposal of this product.

This product does not contain any components regulated under these sections of the EPA

**PRODUCT HAZARD CLASSIFICATION UNDER SECTION 311 OF SARA**

- Acute

**16. OTHER INFORMATION****NFPA Hazard Rating (National Fire Protection Association)**

Health: 3 - Materials that, under emergency conditions, can cause significant irritation.

Fire: 0 - Materials that must be preheated before ignition can occur.

Reactivity: 0 - Materials that in themselves are normally stable, even under fire exposure conditions.

**Reasons For Issue:**

New Format

**DISCLAIMER**

This information is given without any warranty or representation. We do not assume any legal responsibility for same, nor do we give permission, inducement, or recommendation to practice any patented invention without a license. It is offered solely for your consideration, investigation, and verification. Before using any product, read its label.