



# MATERIAL SAFETY DATA SHEET

## SECTION 1. CHEMICAL AND COMPANY IDENTIFICATION

**PRODUCT NAME:** TITAN

**PRODUCT USE:** Heavy Duty Cleaner/Degreaser

**MANUFACTURER:** Kess Industrial Products, Inc.

8613 NW 66 Street

Miami, FL. 33166

**INFORMATION CALL:** (305) 592-1850

**PREPARED DATE:** March 31, 2014

## SECTION 2. HAZARDS IDENTIFICATION

**CAUTION:** CAUSES EYE IRRITATION

**ACUTE EFFECTS:**

HEALTH

FLAMMABILITY

REACTIVITY

2

0

0

**EYES:** Causes eye irritation. Characterized by: Redness, watering or itching.

**SKIN:** May cause skin irritation. Characterized by: Itching, scaling or reddening.

**INHALATION:** Harmful if Inhaled.

**INGESTION:** May be harmful if swallowed. Can cause gastrointestinal disturbance.

**CHRONIC EFFECTS:** Repeated episodes of tissue damage may cause scar tissue accumulation.

**CARCINOGENICITY:** No known significant effects or critical hazards.

**THIS PRODUCT IS A HAZARDOUS CHEMICAL AS DEFINED BY THE OSHA HAZARD COMMUNICATION STANDARD, 29 CFR 1910.1200**

## SECTION 3. COMPOSITION AND INFORMATION ON INGREDIENTS

Name	CAS #	% by Weight
Sodium Hydroxide	1310-73-2	< 5
Sodium Metasilicate	6834-92-0	< 5
2-Butoxyethanol	111-76-2	< 5

## SECTION 4. FIRST AID MEASURES

**EYE CONTACT:** Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Seek medical attention

**SKIN CONTACT:** Flush affected skin with plenty of water. Remove contaminated clothing and shoes. Continue to rinse for at least 10 minutes. Wash clothing before reuse. Get medical attention if irritation develops.

**INHALATION:** Move exposed person to fresh air . If irritation persists, get medical attention.

**INGESTION :** Do not induce vomiting Have affected person drink plenty water. Seek medical attention immediately.

## SECTION 5. FIRE FIGHTING MEASURES

**FLAMMABILITY:** Non-combustible.

**FLASH POINT:** None.

**FIRE FIGHTING PROCEDURES:** Use an extinguishing agent suitable for the surrounding fire.

## SECTION 6. ACCIDENTAL RELEASE MEASURES

**SPILL CLEAN UP:** Put on appropriate personal protective equipment. Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble or absorb with an inert dry material and place in an appropriate waste disposal container.

## SECTION 7. HANDLING AND STORAGE

**HANDLING:** After handling, always wash hands thoroughly with soap and water. Avoid breathing vapors or spray mists. Avoid contact with skin and eyes. Keep out of reach of children.

**INCOMPATIBILITY:** Acids.

**STORAGE:** Keep container dry. Keep in a cool place. Corrosive materials should be stored in a separate safety storage cabinet or room.

**KEEP OUT REACH OF CHILDREN.**

**KEEP CONTAINER CLOSED DURING STORAGE.**

## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**EXPOSURE LIMITS:** No exposure limit value known.

**PERSONAL PROTECTION:**

**EYES:** Safety glasses



**BODY:** Recommended neoprene gloves, nitrile gloves or rubber gloves.



**RESPIRATORY:** Good general ventilation should be sufficient to control airborne levels.

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

**PHYSICAL STATE:** Liquid

**COLOR:** Red

**pH:** 13.5-14.0

**ODOR:** Slight Odor

**BOILLING POINT:** 215°F initial

**SPECIFIC GRAVITY:** 1.04 (water =1)

**SOLUBILITY:** Easily soluble in water

**VAPOR PRESSURE:** Not determined

**VAPOR DENSITY:** Not determined

**EVAPOTATION RATE:** 1 (water=1)

**VOC:** 2.1 (in concentrated form)

## SECTION 10. STABILITY AND REACTIVITY DATA

**STABILITY:** Stable

**INCOMPATIBILITY:** Acids

**HAZARDOUS POLYMERIZATION:** Will not occur.

**HAZARDOUS DECOMPOSITION:** Not available.

## SECTION 11. TOXICOLOGICAL INFORMATION

### ROUTES OF ENTRY:

**TOXICITY TO ANIMALS:** Absorbed through skin. Eye contact. Inhalation. Ingestion.

### ACUTE EFFECTS ON HUMANS:

**EYES:** Corrosive to the eyes

**SKIN:** Severe skin irritant. May cause moderate reddening, swelling, and possible skin damage. Cause severe skin burns.

**INHALATION:** Harmful if inhaled.

**INGESTION:** Irritating to mouth, throat and stomach. May cause headache, dizziness, nausea, vomiting and diarrhea.

**CHRONIC EFFECTS ON HUMANS:** Prolonged exposure may result in skin burns and ulcerations. Severe over-exposure can produce lung damage, choking, unconsciousness or death. The amount of tissue damage depends on length of contact.

## SECTION 12. ECOLOGICAL INFORMATION

### INFORMATION ON ECOLOGY:

Not Available

## SECTION 13. DISPOSAL CONSIDERATIONS

**WASTE INFORMATION:** Waste must be disposed of in accordance with federal, state and local environmental control regulations. Consult your local or regional authorities for additional information.

## SECTION 14. TRANSPORT INFORMATION

This product is non-regulated.

See shipping documents for specific transportation information.

## SECTION 15. REGULATORY INFORMATION

**HCS CLASSIFICATION:** Material is irritant.

**OSHA HAZARDS:** This material is hazardous under the criteria of the Federal OSHA Hazard Communication Standard 29CFR 1910.1200

## SECTION 16. OTHER INFORMATION

### HAZARDOUS MATERIAL INFORMATION SYSTEM

HEALTH	FLAMMABILITY	REACTIVITY
2	0	0

The above information is believed to be correct with respect to the formula used to manufacture the product in the country of origin. As data, standards, and regulations change, and conditions of use and handling are beyond our control, NO WARRANTY, EXPRESSED OR IMPLIED, IS MADE AS TO THE COMPLETENESS OR CONTINUING ACCURACY OF THIS INFORMATION.