

# NATIONAL AUTOMOTIVE CHEMICAL

# MATERIAL SAFETY DATA SHEET

## PRODUCT IDENTIFICATION

### SECTION 1

PRODUCT NAME TITAN

GENERIC NAME LIQUID DETERGENT

SUPPLIERS NAME NATIONAL AUTOMOTIVE CHEMICAL

SUPPLIERS ADDRESS 1000 HIGHLAND AVE. PHONE 800-999-7235  
CAMBRIDGE, OHIO 43725

PROPER SHIPPING NAME LIQUID CLEANING SOLUTIONS

CHEMICAL FAMILY N/A

### HMIS

HEALTH 2

FIRE 0

REACTIVITY 0

PERSONAL

PROTECTION B

## HAZARDOUS INGREDIENTS

### SECTION 2

CHEMICAL NAME	CAS No.	WEIGHT %	PEL	TWA-TLV	CAR
Sodium Metasilicate	6834-92-0	0-10			

## PHYSICAL DATA

### SECTION 3

BOILING RANGE 212 F Initial

SPECIFIC GRAVITY 1.08

VAPOR PRESSURE 20mm Hg@68F

VAPOR DENSITY (AIR=1) >1

%VOLATILE 82.00 +

PH 10.5 to 11.5

SOLUBILITY IN WATER COMPLETE

EVAPORATION RATES (WATER + 1) < 1

PHYSICAL DESCRIPTION Thin green liquid with citrus odor

## FIRE & EXPLOSION HAZARD

### SECTION 4

FLASH POINT N/A

FLAMMABLE LIMITS N/A

EXTINGUISHING MEDIA NONFLAMMABLE

SPECIAL FIRE FIGHTING PROCEDURES N/A

UNUSUAL FIRE & EXPLOSION HAZARDS N/A

## REACTIVITY DATA

### SECTION 5

STABILITY Stable

COMPATIBILITY MATERIALS TO

HAZARDOUS DECOMPOSITION ALKALINE VAPORS IN FIRE

AVOID: STRONG

HAZARDOUS POLYMERIZATION Will Not Occur

ACIDS

## STORAGE & HANDLING

### SECTION 6

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: KEEP OUT OF REACH OF CHILDREN.  
FOR USE BY TRAINED PROFESSIONALS ONLY. KEEP CONTAINER CLOSED DURING STORAGE.  
FOR INDUSTRIAL USE ONLY.

## HEALTH & FIRST AID

### SECTION 7

EFFECTS OF OVEREXPOSURE

**PRIMARY ROUTE OF ENTRY**

EYES: SEVERE EYE IRRITANT. LIQUID AND MISTS MAY DAMAGE THE EYES CAUSING CORNEAL INJURY.

SKIN: MAY CAUSE REDNESS OR SWELLING. PROLONGED OR REPEATED CONTACT MAY CAUSE DERMATITIS.

INHALATION: MAY BE IRRITATING TO THE MUCOUS MEMBRANES TO THE NOSE, THROAT, LUNGS. CHOKING, COUGHING OR HEADACHE MAY OCCUR.

INGESTION: IRRITATION TO THE MOUTH, THROAT AND GASTROINTESTINAL SYSTEM. LARGE AMOUNTS MAY CAUSE VOMITING AND DIARRHEA.

**FIRST AID PROCEDURES**

SKIN: REMOVE CONTAMINATED CLOTHING. FLUSH AFFECTED AREA WITH WATER. SEEK MEDICAL ATTENTION IF IRRITATION PERSISTS.

EYES: FLUSH EYES WITH LARGE QUANTITIES OF WATER. SEEK MEDICAL ATTENTION IF IRRITATION PERSISTS.

INHALATION: GET FRESH AIR. SEEK MEDICAL ATTENTION IF IRRITATION PERSISTS.

INGESTION: DO NOT INDUCE VOMITING. IF PERSON IS CONSCIOUS, DRINK LARGE QUANTITIES OF WATER. CONSULT A PHYSICIAN.

**SPECIAL PROTECTION DATA**

**SECTION 8**

**RESPIRATORY PROTECTION:** USE WITH ADEQUATE VENTILATION.

**VENTILATION:** PROVIDE LOCAL EXHAUST TO KEEP TLV OF SECTION 2 INGREDIENTS BELOW ACCEPTABLE LIMIT.

**PROTECTIVE GLOVES:** WATERPROOF

**EYE PROTECTION:** SAFETY GLASSES

**OTHER PROTECTIVE EQUIPMENT:** N/A

**SPILL OR LEAK PROCEDURE**

**SECTION 9**

**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:** MOP UP OR OTHERWISE ABSORB AND HOLD FOR DISPOSAL.

**WASTE DISPOSAL METHOD:** ANY METHOD IN ACCORDANCE WITH APPLICABLE LAWS.