



1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: WOLVERINE
PRODUCT NUMBER:
PRODUCT FAMILY: ALKALINE DETERGENT
MANUFACTURED FOR: CHAPPELL SUPPLY & EQUIPMENT
6509 W. RENO RD.
OKLAHOMA CITY, OK 73127
405-495-1722
INFORMATION USE: HEAVY DUTY CLEANER

DATE PREPARED: 1/2/2020
SUPERCEDED DATE: 1/2/2018

EMERGENCY CONTACT:
CHEMTREC 1-800-424-9300

2. HAZARD IDENTIFICATION

DOT HAZARD CLASSIFICATION: CORROSIVE LIQUID
SIGNAL WORD: DANGER!
ROUTE OF EXPOSURE: EYE CONTACT, SKIN CONTACT, INGESTION, INHALATION.
GHS HEALTH CLASSIFICATION: SKIN CORROSIVE 1C
EYE DAMAGE/IRRITATION 1

NFPA



PICTOGRAMS



GHS LABEL H314 - Causes severe skin burns and eye damage.
ELEMENTS: P260 - Do not breathe dust/fume/gas/vapours/spray.
P264 - Wash exposed skin thoroughly after handling.
P280 - Wear protective gloves/clothing/eye protection/face protection.
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.
P351 - Rinse cautiously with water for several minutes.
P363 - Wash contaminated clothing before reuse.
P304+P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310 - Immediately call POISON CENTER or doctor/physician.
P405 - Store locked up.
P501 - Dispose of content/container in accordance with local/national regulations.

3.COMPOSITION IDENTIFICATION

INGREDIENTS:	C.A.S. NUMBER:	PERCENT:
SODIUM HYDROXIDE	1310-73-2	<3.0%
SODIUM PHOSPHATE	7758-29-4	<5.0%
SODIUM METASILICATE	6834-92-0	<3.0%
OCTYL PHENOL ETHOXYLATE	9002-93-1	<10.0%
POLY ALKYL ETHERS, PHOSPHATE	68130-47-2	<4.0%
SODIUM GLUCONATE	527-07-1	<5.0%
SODIUM XYLENESULFONATE	1300-72-7	<5.0%
WATER	7732-18-5	<90.0%

4. FIRST AID MEASURES

EYE CONTACT: RINSE WITH FRESH WATER FOR 15 MINUTES, LIFTING EYELIDS OCCASIONALLY. CALL A PHYSICIAN IMMEDIATELY.

PRODUCT NAME: WOLVERINE

DATE PREPARED: 1/2/2020

PRODUCT NUMBER:

SUPERCEDED DATE:1/2/2018

4. FIRST AID MEASURES - CONTINUED

SKIN CONTACT: RINSE WITH PLENTY OF FRESH WATER AND REMOVE CONTAMINATED CLOTHING IMMEDIATELY. CALL A PHYSICIAN IF IRRITATION PERSISTS.

INGESTION: DO NOT INDUCE VOMITING. CALL A PHYSICIAN IMMEDIATELY. IF CONSCIOUS, GIVE LARGE QUANTITIES OF WATER. DO NOT GIVE ANYTHING BY MOUTH IF UNCONSCIOUS.

INHALATION: IF OVERCOME BY EXPOSURE, REMOVE VICTIM TO FRESH AIR IMMEDIATELY. GIVE OXYGEN OR ARTIFICIAL RESPIRATION AS NEEDED. CALL A PHYSICIAN IMMEDIATELY.

5. FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES: NON FLAMMABLE.

FLASH POINT: DOES NOT FLASH.

SUITABLE EXTINGUISHING MEDIA: DRY CHEMICAL, FOAM OR CARBON DIOXIDE, WATER SPRAY.

UNSUITABLE EXTINGUISHING MEDIA:NOT ESTABLISHED.

SPECIFIC HAZARDS ARISING FROM THE CHEMICAL: NONE KNOWN.

PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIREFIGHTERS: WEAR SELF-CONTAINED BREATHING APPARATUS (PRESSURE DEMAND MSHA/NIOSH APPROVED) AND FULL PROTECTIVE GEAR.

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS: AVOID CONTACT WITH EYES AND SKIN. SPILL AREA MAY BE SLIPPERY. WEAR PROPER PROTECTIVE EQUIPMENT WHEN DEALING WITH RELEASE.

ENVIRONMENTAL PRECAUTIONS: CONTAIN SPILL TO AVOID RELEASE TO THE ENVIRONMENT. KEEP CONTAINER TIGHTLY CLOSED.

METHODS FOR CONTAINMENT AND CLEAN-UP: DIKE AND CONTAIN SPILL. COLLECT LIQUID WITH AN INERT ABSORBENT AND TRANSFER TO CONTAINER FOR REUSE OR DISPOSAL.

7. HANDLING AND STORAGE

HANDLING: HANDLE WITH CARE AND AVOID CONTACT WITH EYES AND SKIN. ALWAYS WEAR PROPER CHEMICAL RESISTANT PROTECTIVE EQUIPMENT 29CFR1910.132-138. WASH THOROUGHLY AFTER HANDLING.

STORAGE: AVOID RELEASE TO THE ENVIRONMENT. STORE IN LOCKED STORAGE USING CORROSIVE RESISTANT CONTAINERS. KEEP OUT OF REACH OF CHILDREN.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS: NONE REQUIRED UNDER NORMAL USE.

EYE / FACE PROTECTION: CHEMICAL SAFETY GOGGLES AND FULL FACE SHIELD.

SKIN PROTECTION: CHEMICAL RESISTANT GLOVES AND IMPERVIOUS APRON AND BOOTS.

THRESHOLD LIMIT VALUE (TLV):SODIUM HYDROXIDE, 2 MG/M³

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: LIQUID.

APPEARANCE: CLEAR DARK BROWN LIQUID.

ODOR: NO SCENT.

BOILING POINT: NOT ESTABLISHED.

FREEZING POINT: 34 F

SPECIFIC GRAVITY: 1.09

pH (1%): 11.5-12.0

EVAPORATION RATE: LESS THAN 1.

FLASH POINT: DOES NOT FLASH.

LOWER FLAMMABILITY/EXPLOSIVE LIMIT: NOT ESTABLISHED.

UPPER FLAMMABLE/EXPLOSIVE LIMIT: NOT ESTABLISHED.

AUTO-IGNITION TEMPERATURE: NOT ESTABLISHED.

VISCOSITY: NOT ESTABLISHED.

REALITIVE DENSITY:9.1 LBS./GL.

SOLUBILITY: APPRECIABLE.

VAPOR PRESSURE: NOT ESTABLISHED.

VAPOR DENSITY: NOT ESTABLISHED.

DECOMPOSITION TEMPERATURE: NOT ESTABLISHED.

PARTICAL COEFFICIENTNOT ESTABLISHED.
N-OCTANOL/WATER

PRODUCT NAME: WOLVERINE

DATE PREPARED: 1/2/2020

PRODUCT NUMBER:

SUPERCEDED DATE:1/2/2018

10. STABILITY AND REACTIVITY

CHEMICAL STABILITY: STABLE.

CONDITIONS TO AVOID: NO UNUSUAL CONDITIONS.

INCOMPATIBLE MATERIALS: SOFT METAL AND ACID.

HAZARDOUS DECOMPOSITION PRODUCTS: CARBON MONOXIDE AND DIOXIDE FROM THERMAL DECOMPOSITION.

11. TOXICOLOGICAL INFORMATION

EYE IRRITATION/CORROSION: SERIOUS EYE DAMAGE/ EYE IRRITATION

EFFECTS OF SHORT-TERM EXPOSURE: CAUSES BURNS TO EYES, SKIN AND MOUTH.

INGESTION: MAY CAUSE BURNS TO MOUTH, THROAT AND STOMACH.

LD-50: NOT ESTABLISHED.

CARCINOGENICITY: NOT CONSIDERED A CARCINOGEN BY IARC, ACGIH, NTP, OR OSHA

12.ECOLOGICAL IDENTIFICATION

ECOTOXICITY: NOT ESTABLISHED.

PERSISTENCE AND DEGRADABILITY: BIODEGRADABLE

BIOACCUMULATION/ACCUMULATION: NOT ESTABLISHED.

13.DISPOSAL CONDITIONS

THIS MATERIAL WHEN DISCARDED IS A HAZARDOUS WASTE DEFINED BY 40 CFR 261. MATERIALS ARE TO BE DISPOSED OF IN ACCORDANCE WITH ALL FEDERAL, STATE AND LOCAL REGULATIONS.

14. TRANSPORTATION INFORMATION

GROUND SHIPPING INFORMATION:

UN1824,SODIUM HYDROXIDE SOLUTION,8,PGIII

MARITIME SHIPPING INFORMATION:

UN1824,SODIUM HYDROXIDE SOLUTION,8,PGIII

AIR SHIPPING INFORMATION:

UN1824,SODIUM HYDROXIDE SOLUTION,8,PGIII

NOTE:

15. REGULATORY INFORMATION

US FEDERAL REGULATIONS:

TSCA (TOXIC SUBSTANCE CONTROL ACT) ALL COMPONENTS LISTED ON TSCA INVENTORY.

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT):

313 REPORTABLE INGREDIENTS

CAS NUMBER:

PERCENT:

NOT APPLICABLE.

STATE REGULATION

INTERNATIONAL REGULATIONS: CLASS E CORROSIVE UNDER CANADIAN WHMIS

SECTION 15 NOTES: NONE.

16. OTHER INFORMATION

PHONE NUMBER: 405-495-1722

DATE PREPARED: 1/2/2020

This document is generated for the purpose of distributing health, safety and environmental data. It is not a specification sheet nor should any displayed data be construed as a specification. The information provided in this Safety Data Sheet has been compiled from experience and data presented in various technical publications. It is the user's responsibility to determine the suitability of this information for the adoption of safety precautions as may be necessary. We reserve the right to revise Safety Data Sheets at any time as new technical information becomes available. The information contained herein is furnished without warranty of any kind.