

# Safety Data Sheet

## TRED OFF SLM

### SECTION 1- PRODUCT IDENTIFICATION

**PRODUCT NAME:**.....TRED OFF SLM  
**SYNONYMS:**.....Product is a mixture: No synonyms are available.  
**PRODUCT USE:**.....Highly Alkaline Material  
**SUPPLIER:** .....**WESMAR CO. INC.**  
**SUPPLIER'S ADDRESS:** .....5720 204<sup>TH</sup> ST SW, Lynnwood, WA 98036 (206) 783-5344  
**EMERGENCY RESPONSE NUMBER:**..PERS: 1-800-633-8253



### SECTION 2 – HAZARD IDENTIFICATION



GHS05 Corrosion

#### PRODUCT CLASSIFICATION:

**SIGNAL WORD:** .....DANGER

**GHS PHYSICAL HAZARD STATEMENT:** H290: May be corrosive to metals.

**GHS HEALTH HAZARD STATEMENT:** H302: Harmful if swallowed.

H314: Causes severe skin burns and eye damage.

H335: May cause respiratory irritation.

**GHS LABEL ELEMENTS:**.....The product is classified and labeled according to the Globally Harmonized System (GHS).

**P STATEMENTS:** .....P101: If medical advice is needed, have product container or label at hand.

P102: Keep out of reach of children.

P103: Read label before use.

P260: Do not breathe dust/fume/gas/mist/vapors/spray.

P264: Wash skin and contaminated clothing thoroughly after handling.

P270: Do not eat, drink or smoke when using this product.

P280: Wear suitable protective gloves/protective clothing/eye protection/face protection.

P303+P361+P353: IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P304 + P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P310: Immediately call a POISON CENTER or doctor/physician.

P330: Rinse mouth if ingested.

P405: Store locked up.

P501: Dispose of contents/container in accordance with local/regional/national/international regulations.

**CLASSIFICATION SYSTEM:** ..... NFPA/HMIS Definitions: 0-Least, 1-Slight, 2-Moderate, 3-High, 4-Extreme.

**NFPA ratings (scale 0-4):** .....Health = 3, Fire = 0, Reactivity = 1

**HMIS ratings (scale 0-5):** .....Health = 3, Fire = 0, Reactivity = 1

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### SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

**Chemical characterization:** .....Mixtures

**Description:** .....Mixture of the substances listed below with nonhazardous additions.

COMPONENT	PERCENT	CAS #	EC #	GHS CLASS
Sodium Hydroxide	10-20	1310-73-2	215-185-5	Skin: Corrosive Category 1
Sodium Metasilicate	10-20	6834-92-0	229-912-9	Skin: Corrosive Category 1
Sodium Tripolyphosphate	10-20	7758-29-4	231-838-7	Skin & Inhalation Irrit. Cat 4
Sodium Carbonate	50-70	497-19-8	207-838-8	Skin Corr: Cat 1C, Eye Corr: Cat 1
Trisodium Phosphate	10-20	10101-89-0	Not Found	Skin Irrit. Cat 2, Eye Irrit. Cat 2A

### SECTION 4 – FIRST AID MEASURES

**EYE CONTACT:**.....Immediately flush eyes with water for at least 15 minutes. Hold eyelids open to ensure adequate flushing. Get immediate medical attention.

**SKIN CONTACT:**.....Remove contaminated clothing and shoes. Wash affected skin area with soap and water. Delayed skin damage is possible if product is not completely washed off. Get immediate medical attention.

**SWALLOWING (INGESTION):**.....If ingested, dilute swallowed material by drinking water. DO NOT INDUCE VOMITING. Never give anything by mouth to an unconscious person. Get immediate medical attention.

**INHALATION:** .....Remove to fresh air. Get immediate medical attention.

**OTHER INSTRUCTIONS:**.....Rescue personnel must wear appropriate protective equipment during removal of victims from contaminated areas. Treat symptomatically and supportively.

### SECTION 5 – FIRE FIGHTING MEASURES

**EXTINGUISHING MEDIA:** .....Dry chemical, foam, water or carbon dioxide.

#### SPECIAL PROTECTIVE EQUIPMENT

**AND PRECAUTIONS FOR FIRE FIGHTERS:** In the event of a fire, wear a NIOSH (USA) or CEN (EU) approved, positive pressure, self-contained breathing apparatus (SCUBA) and full protective clothing. Evacuate all non-essential personnel from the danger area.

#### UNUSUAL FIRE AND

**EXPLOSION HAZARDS:** .....No further relevant information is available.

### SECTION 6 – ACCIDENTAL RELEASE MEASURES

#### PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT

**AND EMERGENCY PROCEDURES:** ...Restrict access to keep out unauthorized or unprotected personnel. Wear protective equipment. Avoid inhalation and direct contact.

**ENVIRONMENTAL PRECAUTIONS:**...Keep spilled material away from sewage/drainage systems and waterways. This product contains a U.S. EPA Reportable Quantity (RQ) substance. If amounts exceeding the Reportable Quantity are released, notification of the National Response Center (800) 424-8802 is required. See section 15 for more information.

#### METHODS AND MATERIALS FOR

**CONTAINMENT AND CLEAN UP:** ....All clean-up personnel must be properly trained. Confine the spill and remove incompatible materials and ignition sources. Ensure adequate ventilation. Secure the source of the leak if conditions are safe. Neutralize spill and collect using an appropriate

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absorbent material such as clay or vermiculite. Place waste in an appropriate container for disposal. Use care during clean-up to avoid exposure to the material and injury from broken containers.

### SECTION 7 – HANDLING AND STORAGE

**PRECAUTIONS FOR SAFE HANDLING:** Use with adequate ventilation. Wear proper protective equipment. Do not mix with water or acids without proper dilution and agitation to prevent a potentially violent reaction.

**CONDITIONS FOR SAFE STORAGE:** Store in closed, properly labeled containers. Protect containers from heat, physical damage, ignition sources and incompatible materials. Have emergency equipment for fires and spills readily available.

### SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

**TLV (THRESHOLD LIMIT VALUE):** ....The TLV in section in section III is the ACGIH/TLV-TWA (threshold limit value/time weighted average concentration for an eight hour work day). The STEL is the short term exposure limit and the (Ceil) is the ceiling limit.

COMPONENT	OSHA PEL – TWA	ACGIH TLV-Ceiling	ACGIH – STEL
Sodium Hydroxide	2 mg/m <sup>3</sup> (Ceiling)	2mg/m <sup>3</sup>	2mg/m <sup>3</sup> (Ceiling)
Sodium Metasilicate	300 ppm (recommended)	300 ppm (recommended)	Not Established
Sodium Tripolyphosphate	Not Established	Not Established	Not Established
Sodium Carbonate	Not Established	Not Established	Not Established
Trisodium Phosphate	Not Established	Not Established	Not Established

**EYE PROTECTION:** .....Wear chemical splash goggles or face shield.

**SKIN PROTECTION:**.....Minimize contact with product. Wear chemical resistant coveralls, boots, gloves, apron and/or suitable long-sleeved clothing.

**RESPIRATORY PROTECTION:** .....In case of brief exposure use respiratory filter device. In case of intensive or longer exposure, use respiratory protective device that is independent of circulating air.

**VENTILATION:**.....Ensure adequate ventilation.

**ADDITIONAL MEASURES:** .....Emergency eyewash and safety shower facilities should be available in the immediate work area.

**REQUIRED WORK/HYGIENE:** .....Wash hands thoroughly after handling. Keep away from all food stuffs, beverages and feed. Do not eat, drink or smoke in work area.

### SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

**APPEARANCE:** .....Orange free flowing powder with pine odor.

**ODOR:** .....Mild odor.

**ODOR THRESHOLD:** .....Not Available

**pH:**.....> 13.0 (1% solution)

**MELTING POINT/FREEZING POINT:** Not available

**BOILING POINT:** .....Not available

**FLASHPOINT:** .....Not applicable

**EVAPORATION RATE:** .....Not Available

**FLAMMABILITY:** .....Non flammable, non combustible

**LOWER FLAMMABILITY LIMIT:** .....Not applicable

**UPPER FLAMMABILITY LIMIT:** .....Not applicable

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VAPOR PRESSURE: .....Not Available  
VAPOR DENSITY (AIR=1): .....Not determined  
RELATIVE DENSITY: .....> 1.0  
SOLUBILITY IN WATER: .....Soluble in water  
PARTITION COEFFICIENT n-OCTANOL/WATER: Not Available  
AUTOIGNITION TEMPERATURE:.....Not Available  
DECOMPOSITION TEMPERATURE: .Not Available

### SECTION 10 – STABILITY AND REACTIVITY

STABILITY:.....Stable under recommended storage conditions.  
HAZARDOUS CONDITIONS TO AVOID: No decomposition if used according to specifications.  
INCOMPATIBLE MATERIALS: .....Keep away from strong acids.  
HAZARDOUS DECOMPOSITION PRODUCTS: No dangerous decomposition products known.

### SECTION 11 – TOXICOLOGICAL INFORMATION

#### TOXICOLOGICAL INFORMATION:

ACUTE TOXICITY: .....LD/LC50 values: Sodium Hydroxide:Oral LD50 = 500 mg/kg (rat). LC50 dermal and inhalation: Not listed.

#### PRIMARY IRRITANT EFFECT:

EYE CONTACT:.....Causes severe eye damage.

SKIN CONTACT:.....Causes skin burns. Onset of symptoms may be delayed following exposure.

INHALATION: .....Corrosive to respiratory tract.

INGESTION:.....May be harmful if swallowed. Ingestion may cause chemical burns, pain, vomiting, difficulty breathing and other gastrointestinal effects.

CARCINOGENICITY: .....The components of this product are not classified as carcinogenic by OSHA, NTP or IARC.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Asthma and other respiratory conditions, skin disorders.

#### TOXICOLOGICAL INFORMATION: ...Sodium Metasilicate

ACUTE TOXICITY: .....LD50 Oral: 1280mg/kg (Rat), 2400mg/kg (mouse)

CHRONIC TOXICITY: .....No data were available regarding chronic exposure, reproductive or teratological effects, or carcinogenicity for sodium metasilicate.

CARCINOGENICITY: ..... This product is not classified as a carcinogen by NTP, IARC or OSHA.

#### TOXICOLOGICAL INFORMATION: ...Sodium Tripolyphosphate

ACUTE TOXICITY: .....Oral - rat LD50 - 5,400 mg/kg; practically non-toxic

Dermal - rabbit LD50 - > 7,940 mg/kg; practically non-toxic

Eye Irritation - rabbit - 3.3/110.0; slightly irritating

Skin Irritation - rabbit - 0-0/8.0 (24-hr exp.); not irritating

Inhalation - LC50 > 0.39 mg/L (rat, 4 hr) (maximum attainable concentration)

#### TOXICOLOGICAL INFORMATION: ...Sodium Carbonate:

ACUTE TOXICITY: .....Not Classified. LD50 values: Oral LD50: 4090mg/kg (rat).

SKIN CORROSION/IRRITATION:.....Causes skin irritation.

SERIOUS EYE DAMAGE/IRRITATION: Causes serious eye irritation.

### SECTION 12 – ECOLOGICAL INFORMATION

#### ECOLOGICAL INFORMATION: .....Sodium Hydroxide

AQUATIC TOXICITY: .....No relevant information available.

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**PERSISTENCE AND DEGRADABILITY:** No relevant information available.

**BIOACCUMULATIVE POTENTIAL:**.....No relevant information available.

**NOTES:**.....Water hazard class 1 (Self assessment): slightly hazardous for water. Do not allow undiluted product or large quantities of this product to reach ground water, water course or sewage system. Must no reach bodies of water or drainage ditch undiluted or un-neutralized. Rinse off larger amounts into drains or the aquatic environment may lead to increased pH-values. A high pH-value harms aquatic organisms.

**ECOLOGICAL INFORMATION:**.....**Sodium Metasilicate**

**ECOTOXICITY (Aquatic Toxicity):** ....This material has exhibited moderate toxicity to aquatic organisms.

**BIODEGRADATION:**.....This material is inorganic and not subject to biodegradation.

**PERSISTENCE:**.....This material is believed to persist in the environment.

**BIOCONCENTRATION:**.....This material is not expected to bio-concentrate in organisms.

### SECTION 13 – DISPOSAL CONSIDERATIONS

**WASTE DISPOSAL:**.....This product must be disposed of in accordance with Federal, state and local environmental regulations. Discarded materials may be considered hazardous waste due to pH/corrosivity. It is the responsibility of the product user to determine at the time of disposal whether a material containing, or derived from this product, should be classified as a hazardous waste.

### SECTION 14 – TRANSPORTATION INFORMATION

**DOT/IMDG/ IATA PROPER SHIPPING NAME:** Sodium Hydroxide, Solution

**HAZARD CLASS AND LABEL:** .....8 (Corrosive)

**UN NUMBER:**.....1824

**PACKAGING GROUP:**.....PG-II

**EPA REPORTABLE QUANTITY (RQ):** 1000 LBS. (454 KG) as Sodium Hydroxide 100%.

**MARINE POLLUTANT:** .....Not listed.

**EMERGENCY RESPONSE GUIDE:** .....154



### SECTION 15 – REGULATORY INFORMATION

**U.N. GHS CLASSIFICATION & LABELING INFORMATION:**

**CLASSIFICATION:**.....Corrosive 1B, TOST – single exposure Category 3.

**SIGNAL WORD:** .....Danger

**H STATEMENTS:** .....H290: May be corrosive to metals.

H302: Harmful if swallowed.

H314: Causes severe skin burns and eye damage.

H335: May cause respiratory irritation.

H290: May be corrosive to metals.

**P STATEMENTS:** .....P101: If medical advice is needed, have product container or label at hand.

P102: Keep out of reach of children.

P103: Read label before use.

P260: Do not breathe dust/fume/gas/mist/vapors/spray.

P264: Wash skin and contaminated clothing thoroughly after handling.

P270: Do not eat, drink or smoke when using this product.

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P280: Wear suitable protective gloves/protective clothing/eye protection/face protection.

P303+P361+P353: IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P304 + P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P310: Immediately call a POISON CENTER or doctor/physician.

P330: Rinse mouth if ingested.

P405: Store locked up.

P501: Dispose of contents/container in accordance with local/regional/national/international regulations.

### HAZARD PICTOGRAMS:.....



### U.S. FEDERAL REGULATORY INFORMATION:

LISTED CARCINOGEN:.....Not listed.

TSCA STATUS: .....The ingredients of this product are listed on TSCA inventory (40CFR 710.)

SARA SECTION 302:.....None

SARA SECTION 312:.....Acute health hazard.

SARA SECTION 313:.....Not listed

NFPA HEALTH: .....3

NFPA FLAMMABILITY:.....0

NFPA REACTIVITY:.....1

### EUROPEAN UNION REGULATORY INFORMATION:

EC CLASSIFICATION: .....C: Corrosive, Xn: Harmful.

DSD/DPD RISK (R) PHRASES: .....R34: Causes severe burns.

R22: Harmful if swallowed.

DSD/DPD SAFETY (S) PHRASES: .....S1/2: Keep locked up and out of reach of children.

S18: Handle and open containers with care.

S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S36/S37/39: Wear suitable protective clothing, gloves and eye/face protection.

S45: In case of accidents or if you feel unwell, seek medical advice immediately. Show label where possible.

S61: Avoid release to the environment.

S62: If swallowed, do not induce vomiting.

S64: If swallowed, rinse mouth with water if victim is conscious.

DSD/DPD HAZARD SYMBOL: .....C: Corrosive, Exclamation Mark

### CANADIAN REGULATORY INFORMATION:

WHMIS CATEGORY: .....Class E: Corrosive

DOMESTIC SUBSTANCES LIST (DSL): Listed

INGREDIENT DISCLOSURE LIST: .....Listed



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<b>SECTION 16 – OTHER INFORMATION</b>
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**REFERENCES:** .....The information contained herein has been compiled from sources believed to be reliable and accurate to the best of our knowledge at this date. It is provided without warranty, expressed or implied, as to the results of use of this information or to the product to which it relates. Wesmar Co. assumes no responsibility for injury to any person or property resulting from any use of the material. Each user assumes the risk in their use of this product and should review the data and recommendations in the specific context of their intended use.

**FOOT NOTES:**

**IMDG:** .....International Maritime Code for Dangerous Goods  
**DOT:** .....US Department of Transportation  
**IATA:** .....International Air Transportation Association  
**ACGIH:** .....American Conference of Governmental Industrial Hygienists  
**NFPA:** .....National Fire Protection Association (USA)  
**HMIS:** .....Hazardous Materials Identification System (USA)  
**LC50:** .....Lethal concentration, 50 percent  
**LD50:** .....Lethal dose, 50 percent  
**TOST:** .....Target Organ Systemic Toxicity  
**DATE PREPARED:** .....JAN 12, 2011  
**DATE REVISED:** .....JAN 12, 2011