



SAFETY DATA SHEET

SECTION 1 PRODUCT AND COMPANY IDENTIFICATION


PRODUCT NAME: Red Max
PRODUCT IDENTIFIER CODE(S): 105580
PRODUCT RECOMMENDED/INTENDED USE: Industrial Detergent and Cleaner
MANUFACTURER/SUPPLIER: Texas Refinery Corp.
ADDRESS: 500 Airport Drive, Mansfield, TX 76063
GENERAL INFORMATION: 817-332-1161
24 HR. EMERGENCY PHONE NUMBER: CHEMTREC 1-800-424-9300

SECTION 2 HAZARDS IDENTIFICATION

GHS Classification(s):

Health	Physical	Environmental
Skin Irritant- Category 3 Eye Irritant- Category 2B STOT, Single Exposure- Category 3 (Respiratory Irritant)	No known physical hazards.	No known environmental hazards.

GHS Label:

Pictogram(s): 	
Signal Word: Warning! Hazard Statements: Causes eye irritation. Causes mild skin irritation. May cause respiratory irritation.	Precautionary Statements: Avoid breathing dust. Use only outdoors or in a well-ventilated area. Wear protective gloves/protective clothing/eye protection/face protection. Wash hands thoroughly after handling. Keep container tightly closed. Store locked up. Store in a cool, dry, well-ventilated area. Keep away from strong acids and oxidizers. Keep out of reach of children. Dispose of contents and container in accordance with all federal, state and local regulations. Response: FIRST AID: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If irritation persists; get medical attention. IF ON SKIN (or hair): Brush off excess powder and wash skin thoroughly with soap and water. Wash contaminated clothing before reuse. IF SKIN IRRITATION OR RASH OCCURS: Get medical advice/attention. IF SWALLOWED: Do NOT induce vomiting. Rinse mouth and give large quantities of water if victim is conscious. Never give anything by mouth to an unconscious person. If vomiting occurs spontaneously, keep airway open. Call a POISON CENTER or doctor/physician. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. IF EXPOSED OR CONCERNED: Get medical advice/attention. Show this container or label where possible.

SECTION 3 COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS Number	Weight %
Triphosphoric acid, sodium salt	7758-29-4	55-65
Tetrasodium pyrophosphate	7722-88-5	4.0-6.0
Sodium carbonate	497-19-8	5.0-15.0
Nonylphenol, ethoxylated	127087-87-0	5.0-10.0
Dicarboxylic fatty acid	53980-88-4	1.0-2.0
Pontacyl carmine 2B	6625-46-3	0.1-1.0

C.I. Acid Yellow 36	587-98-4	<1.0
Benzenesulfonic Acid, Mono-C10-16-alkyl derivatives, sodium salts	68081-81-2	3.0-5.0
Sodium metasilicate, pentahydrate	6834-92-0	4.0-6.0
Other non-hazardous components or components below reportable levels	N/A	0.1-1.0

SECTION 4

FIRST AID MEASURES

GENERAL: IF EXPOSED OR CONCERNED: Get medical advice/attention. Show this container or label where possible.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If irritation persists; get medical attention.

IF ON SKIN (or hair): Brush off excess powder and wash skin thoroughly with soap and water. Wash contaminated clothing before reuse.

IF SKIN IRRITATION OR RASH OCCURS: Get medical advice/attention.

IF SWALLOWED: Do NOT induce vomiting. Rinse mouth and give large quantities of water if victim is conscious. Never give anything by mouth to an unconscious person. If vomiting occurs spontaneously, keep airway open. Call a POISON CENTER or doctor/physician.

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

MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED: Refer to Section 11- Toxicological information.

INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED: All treatments should be based on observed signs and symptoms of distress in the patient.

OTHER INFORMATION: Call 911 or emergency medical service. Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination.

SECTION 5

FIRE FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA: Product is not flammable or combustible. Use extinguishing media suitable for surrounding fire.

UNSUITABLE EXTINGUISHING MEDIA: None known.

UNUSAL FIRE AND EXPLOSION HAZARDS: Non-flammable. Non-combustible.

HAZARDOUS COMBUSTION PRODUCTS: Oxides of sodium, oxides of phosphorus and other irritating and/or toxic gases may be evolved due to thermal combustion.

SECTION 6

ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

Personal Precautions: Do not touch or walk through spilled material.

Emergency Procedures: Keep unauthorized personnel away.

ENVIRONMENTAL PRECAUTIONS: Prevent entry into waterways, sewers, basements or confined areas.

METHODS AND MATERIALS FOR CONTAINMENT AND CLEANUP: Avoid generating dust. Small dry spills: With clean shovel place material into a clean, dry, properly labeled container and cover loosely; move containers from spill area. Large spills: Cover powder spill with plastic sheet or tarp to minimize spreading. Clean up residual material by washing area with water. Collect washings for disposal. Decontaminate tools and equipment after cleanup.

SECTION 7

HANDLING AND STORAGE

HANDLING: Keep container tightly closed when not in use. Avoid breathing dust. Avoid contact with eyes, skin and clothing. Do not ingest. Do not use in areas without adequate ventilation.

STORAGE: Store in a tightly closed container. Product is hygroscopic and tends to cake on storage. Store in an area that is cool, dry, well-ventilated and isolated from all toxic and harmful substances.

SECTION 8

EXPOSURE CONTROLS/PERSONAL PROTECTION

OCCUPATIONAL EXPOSURE LIMITS:

Component	OSHA PEL	ACGIH TLV
Triphosphoric acid, sodium salt as Particulates Not Otherwise Classified (PNOC)	15 mg/m ³ TWA (total dust) 5 mg/m ³ TWA (respirable fraction)	10 mg/m ³ TWA (inhalable particles) 3 mg/m ³ TWA (respirable particles)
Tetrasodium pyrophosphate	5 mg/m ³ TWA	-

ENGINEERING CONTROLS/MEASURES: Adequate ventilation systems as needed to control concentrations of airborne contaminants below applicable threshold limit values.

PERSONAL PROTECTIVE EQUIPMENT

Respiratory: For limited exposure use an N95 dust mask. For prolonged exposure use an air-purifying respirator with high efficiency particulate air (HEPA) filters. Follow the OSHA respirator regulations found in 29 CFR 1910.134. Use a NIOSH/MSHA approved respirator if exposure limits are exceeded or symptoms are experienced.

EYE/FACE: Wear chemical safety goggles or safety glasses with side shields.

SKIN/BODY: Wear appropriate chemical-resistant gloves. Additional items such as rubber apron and boots recommended.

GENERAL INDUSTRIAL HYGIENE CONSIDERATIONS: Do not use, and/or consume foods, beverages, tobacco products or cosmetics in areas where this material is stored. Wash hands and face carefully before eating, drinking, using tobacco, applying cosmetics or using toilet facilities.

ENVIRONMENTAL EXPOSURE CONTROLS: Follow best practice for site management and disposal of waste.

SECTION 9

PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE (Color and physical state): Red powder

ODOR: Mild detergent odor

ODOR THRESHOLD: Not determined

pH: 10.5-11.0 (In < 1.0% solution)

MELTING POINT/FREEZING POINT: Not determined

BOILING POINT (°F/C): N/A

FLASH POINT (°F/C): None

AUTOIGNITION TEMPERATURE: Not applicable

DECOMPOSITION TEMPERATURE: Not determined

EXPLOSIVE PROPERTIES: Not an explosive

EVAPORATION RATE (Butyl Acetate =1): N/A

FLAMMABILITY: Non-flammable. Non-combustible.

UPPER/LOWER FLAMMABILITY OR EXPLOSIVE LIMITS: N/A

VAPOR PRESSURE (mm Hg): N/A

VAPOR DENSITY (Air=1): N/A

SOLUBILITY (ies) in water: > 0.5 lbs/gal

SPECIFIC GRAVITY (H₂O=1): Not determined

PARTITION COEFFICIENT (n-octanol/water) (Low Pow): Not determined

SECTION 10

STABILITY AND REACTIVITY

REACTIVITY: No data available.

CHEMICAL STABILITY: Stable under ambient temperature and pressure conditions.

INCOMPATIBILITY WITH OTHER MATERIALS: Strong acids and strong oxidizing agents.

CONDITIONS TO AVOID: Dusting conditions, extreme heat and humidity. Protect from moisture.

HAZARDOUS DECOMPOSITION PRODUCTS: None known.

HAZARDOUS REACTION/ POLYMERIZATION: Will not occur.

SECTION 11

TOXICOLOGICAL INFORMATION

ACUTE TOXICITY VALUES: There is no data available for this product as a whole.

Component Data:

Component	Oral LD ₅₀	Dermal LD ₅₀	Inhalation LC ₅₀
Tetrasodium pyrophosphate	>300 to <2000 mg/kg (Rat)	7940 mg/kg (Rabbit)	No data available
Sodium carbonate	2800 mg/kg (Rat)	>2000 mg/kg (Rabbit)	2.3 mg/L (Rat)
Dicarboxylic fatty acid	6176 mg/kg (Rat)	No data available	No data available
Benzenesulfonic acid, Mono C10-16-alkyl derivatives, sodium salts	1080 mg/kg (Rat)	>2000 mg/kg (Rat)	No data available
Sodium metasilicate, pentahydrate	1280 mg/kg (Rat)	No data available	No data available

SKIN CORROSION/IRRITATION: Skin Irritant. Symptoms may include irritation, redness, itchiness.

SERIOUS EYE DAMAGE/IRRITATION: Eye Irritant. Symptoms may include irritation, redness, watering eyes, itchiness.

INHALATION: Acute: May cause respiratory irritation. Nuisance dust may affect the lungs but reactions are typically reversible. Symptoms may include irritation, coughing and/or wheezing.

INGESTION: Low acute oral toxicity. Ingestion of large quantities of this material may cause abdominal pain, abdominal cramps, nausea, vomiting, diarrhea.

SENSITIZATION: Not expected to be a skin or respiratory sensitizer.

MUTAGENICITY: Not classified. No available data to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

CARCINOGENICITY: Not classified. No components present in this product at 0.1% or greater are listed as to being carcinogens by IARC, ACGIH, NTP or OSHA.

REPROTOXICITY/TERATOGENICITY: Not classified. This product is not expected to cause reproductive or developmental effects.

STOT, Single Exposure: May cause respiratory irritation.

STOT, Repeated Exposure: Not classified

ASPIRATION HAZARD: Not classified.

SECTION 12 ECOLOGICAL INFORMATION

ECOTOXICITY: There is no data available for this product as a whole.

Component Data:

Component	Toxicity to Fish	Toxicity to Invertebrates	Toxicity to Algae
Tetrasodium pyrophosphate	LC ₅₀ = 1380 mg/L;48H (Fish)	EC ₅₀ = 391 mg/L;96H (Daphnia)	No data available
Sodium carbonate	LC ₅₀ = 300 mg/L;96H (Bluegill sunfish)	EC ₅₀ = 200-227 mg/L;48H (Ceriodaphnia)	No data available
Benzenesulfonic acid, Mono C10-16-alkyl derivatives, sodium salts	LC ₅₀ = 1.67 mg/L;96H (Bluegill) NOEC= 0.23 mg/L;72d (Rainbow trout)	EC ₅₀ = 2.9 mg/L;48H (Daphnia) NOEC= 1.41 mg/L;21d (Daphnia)	EC ₅₀ = 29 mg/L;96H (Algae) NOEC= 3.1 mg/L;15d (Algae)

INFORMATION ON ELIMINATION (PERSISTENCE AND DEGRADABILITY)

BIODEGRADABILITY: Sodium carbonate: Biodegradability does not pertain to inorganic substances.

Sodium metasilicate pentahydrate: Inorganic and not subject to biodegradation. This material is believed to persist in the environment.

BIOACCUMULATION: Sodium carbonate: Does not bioaccumulate.

Sodium metasilicate pentahydrate: This material is not expected to bioconcentrate in organisms.

SOIL MOBILITY: Sodium carbonate: Dissociates into ions.

FURTHER INFORMATION ON ECOLOGY: Sodium metasilicate pentahydrate: Moderately toxic to aquatic organisms.

Sodium metasilicate pentahydrate: This material has exhibited slight toxicity to terrestrial organisms.

Do not allow to contaminate the soil, waterways or waste water.

SECTION 13 DISPOSAL CONSIDERATIONS

DISPOSAL CONSIDERATIONS: Dispose of contents and container in accordance with all federal, state and local regulations.

SECTION 14 TRANSPORT INFORMATION

U.S. DEPARTMENT OF TRANSPORTATION (DOT) SHIPPING DESCRIPTION: Non-regulated material.

INTERNATIONAL MARITIME ORGANIZATION (IMDG) SHIPPING DESCRIPTION: Non-regulated material.

FREIGHT CLASSIFICATION: Cleaning, Scouring or Washing Compound, NOI (NMFC48580 SUB 3 CLASS 55)

SECTION 15 REGULATORY INFORMATION

TOXIC SUBSTANCES CONTROL ACT (TSCA): All hazardous components of this product are listed on or exempted from the TSCA inventory.

TSCA Chemical Action Plans: Listed Substance

Nonylphenol, ethoxylated (CAS# 127087-87-0), Nonylphenol (NP) and Nonylphenol Ethoxylates (NPEs) Action Plan

CERCLA: This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional or state level pertaining to releases of this material.

CLEAN WATER ACT (CWA): If spilled into waters of the U.S., this product may be reportable under the Clean Water Act.

CLEAN AIR ACT (CAA): This product is not considered a hazardous substance under the Clean Air Act.

SARA 302: No SARA Hazard

SARA 304: No SARA Hazard

SARA 313: No SARA Hazard

SARA 311/312 Hazard Classifications:

Acute Health Hazard	Yes
Chronic Health Hazard	No
Fire Hazard	No
Pressure Hazard	No
Reactivity Hazard	No

California Prop. 65: Not listed.

NATIONAL AND INTERNATIONAL INVENTORIES:

Triphosphoric acid, sodium salt: Canada DSL: Yes, Canada NDSL: No, China: Yes, EU EINECS: Yes, EU ELINCS: No, New Zealand: Yes, Philippines PICCS: Yes, US TSCA: Yes

Tetrasodium pyrophosphate: US TSCA: Yes, DSCL (EEC): Yes

SECTION 16

OTHER INFORMATION

REVISION INDICATOR: New SDS compliant with GHS AND OSHA.

DATE OF REVISION: 05/18/2017

SUPERSEDES: 03/30/2016

DISCLAIMER: THIS INFORMATION IS BEING SUPPLIED TO YOU UNDER OSHA "RIGHT TO KNOW" REGULATION 29 CFR 1910.1200 AND IS OFFERED IN GOOD FAITH. THE INFORMATION CONTAINED HEREIN IS BASED ON THE DATA AVAILABLE TO US AND IS BELIEVED TO BE TRUE AND ACCURATE TO THE BEST OF OUR KNOWLEDGE. TEXAS REFINERY CORP. MAKES NO WARRANTY, EXPRESSED OR IMPLIED, REGARDING THE ACCURACY OF THIS DATE, THE HAZARDS CONNECTED WITH THE USE OF THE MATERIAL, OR THE RESULTS TO BE OBTAINED FROM THE USE THEREOF. TEXAS REFINERY CORP. MAKES NO WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, CONCERNING THE SAFE USE OF THIS MATERIAL IN YOUR PROCESS OR IN COMBINATION WITH OTHER SUBSTANCES. TEXAS REFINERY CORP. ASSUMES NO RESPONSIBILITY FOR DAMAGE OR INJURY FROM THE USE OF THE PRODUCT DESCRIBED HEREIN.