



SAFETY DATA SHEET

Twin Industrial Cleaner 2458-B

Date Prepared : 3/28/2015

SDS No : 172

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Twin Industrial Cleaner 2458-B

GENERAL USE: Industrial cleaner

MANUFACTURER

Twin Specialties Corp.

www.twinoils.com

1730 Walton Road, Ste 207

Blue Bell, PA 19422

Customer Service: (610) 834-7900

E-Mail: sales@gemini-twin.com

24 HR. EMERGENCY TELEPHONE NUMBERS

For Hazardous Materials [or Dangerous Goods] Incident

Spill, Leak, Fire, Exposure, or Accident

Call CHEMTREC Day or Night

Within USA and Canada: 1-800-424-9300

Outside USA and Canada: +1 703-527-3887 (collect calls accepted)

CHEMTREC Customer Number (CCN) 11450

2. HAZARDS IDENTIFICATION

GHS CLASSIFICATIONS

Health:

Skin Corrosion, Category 1

Serious Eye Damage, Category 1

Physical:

Corrosive to Metals, Category 1

GHS LABEL



Corrosion

SIGNAL WORD: DANGER

HAZARD STATEMENTS

H314: Causes severe skin burns and eye damage.

H290: May be corrosive to metals.

H318: Causes serious eye damage.

PRECAUTIONARY STATEMENTS

Prevention:

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

P264: Wash thoroughly after handling.

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

P234: Keep only in original container.

Response:

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

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.

P363: Wash contaminated clothing before reuse.

P304+P340: IF INHALED: Remove 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.

P390: Absorb spillage to prevent material damage.

P308+P313: IF exposed or concerned: Get medical advice/attention.

Storage:

P405: Store locked up.

P406: Store in corrosive resistant container with a resistant inner liner.

Disposal:

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

POTENTIAL HEALTH EFFECTS

EYES: Corrosive, contact causes severe eye burns.

SKIN: Corrosive, contact may causes skin burns.

INGESTION: Ingestion of this product is unlikely. However, if ingested the product may cause burns to mouth, upper airway, esophagus and digestive tract.

INHALATION: Inhalation of vapors or mists may cause burns to the respiratory system.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt.%	CAS
Potassium Hydroxide	1 - 5	1310-58-3
Silicic acid (H ₂ SiO ₃), sodium salt (1:2)	1 - 5	6834-92-0
Surfactant	1 - 5	

COMMENTS:

As per paragraph (i) of 29 CFR 1910.1200, formulation is considered a trade secret and specific chemical identity and exact percentage (concentration) of composition may have been withheld. Specific chemical identity and exact percentage composition will be provided to health professionals, employees, or designated representatives in accordance with applicable provisions of paragraph (i).

4. FIRST AID MEASURES

EYES: Immediately flush eyes with plenty of water. Get immediate medical attention.

SKIN: Wash with soap and water. Get medical attention if irritation develops or persists.

INGESTION: Get immediate medical attention. Give 1-2 glasses of water. Do not induce vomiting unless instructed to do so by poison center or physician.

INHALATION: If mist or vapor of this product is inhaled, remove person immediately to fresh air. Seek medical attention if symptoms develop or persist.

5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA: Use alcohol foam, carbon dioxide, or water spray when fighting fires involving this material.

HAZARDOUS COMBUSTION PRODUCTS: Oxides of carbon may be produced.

OTHER CONSIDERATIONS: Product contains water and will only burn after water is boiled off.

FIRE FIGHTING EQUIPMENT: Wear self-contained breathing apparatus and full protective clothing.

6. ACCIDENTAL RELEASE MEASURES

GENERAL PROCEDURES: Absorb spill with inert material. Collect material into appropriate container for disposal. Dispose of in accordance with Federal, State and local regulations.

SPECIAL PROTECTIVE EQUIPMENT: Wear suitable protective clothing, gloves and eye/face protection. Prevent further leakage or spillage if safe to do so.

7. HANDLING AND STORAGE

HANDLING: Avoid contact with eyes and skin. Wash thoroughly after handling.

STORAGE: Keep container tightly closed and in a cool, well-ventilated place.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE GUIDELINES

OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200)

		EXPOSURE LIMITS			
		OSHA PEL		ACGIH TLV	
Chemical Name		ppm	mg/m ³	ppm	mg/m ³
Potassium Hydroxide	TWA		2		2

ENGINEERING CONTROLS: Provide local and general exhaust ventilation.

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE: Chemical goggles.

SKIN: Chemical resistant protective gloves

RESPIRATORY: If ventilation is not sufficient to prevent buildup of mists and vapors, wear appropriate NIOSH/MSHA respirator.

PROTECTIVE CLOTHING: Use of impervious apron and boots are recommended.

WORK HYGIENIC PRACTICES: Wash hands before breaks and at the end of work.

9. PHYSICAL AND CHEMICAL PROPERTIES

ODOR: Mild

ODOR THRESHOLD: Not determined.

APPEARANCE: Liquid

COLOR: Colorless

pH: 13.8

FLASH POINT AND METHOD: > (212°F) Cleveland Open Cup

Notes: Product contains water.

FLAMMABLE LIMITS: N/D

VAPOR PRESSURE: ~ 13 mm Hg

VAPOR DENSITY: ~ 0.5 Air = 1

BOILING POINT: > (212°F)

FREEZING POINT: ~ (32°F)

THERMAL DECOMPOSITION: Not determined.

SOLUBILITY IN WATER: Soluble

EVAPORATION RATE: Not determined.

SPECIFIC GRAVITY: 1.14

VISCOSITY: Not determined.

10. STABILITY AND REACTIVITY

REACTIVITY: Product reacts with acids.

STABILITY: Stable

CONDITIONS TO AVOID: Oxidizing materials.

POSSIBILITY OF HAZARDOUS REACTIONS: No dangerous reactions known.

HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of carbon.

INCOMPATIBLE MATERIALS: Reacts with aluminum, zinc and tin to form hydrogen gas.

11. TOXICOLOGICAL INFORMATION

EYE EFFECTS: Corrosive, contact causes severe eye burns.

SKIN EFFECTS: Corrosive, contact causes skin burns.

CARCINOGENICITY

IARC: No components listed.

NTP: No components listed.

OSHA: No components listed.

GENERAL COMMENTS: Routes of exposure: skin, inhalation and eyes.

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL DATA: No data available.

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Dispose of in accordance with local, state and federal regulations.

14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)

PROPER SHIPPING NAME: UN 3266, Corrosive liquid, basic, inorganic, n.o.s. (contains potassium hydroxide, sodium metasilicate), 8, PG III

15. REGULATORY INFORMATION

UNITED STATES

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

313 REPORTABLE INGREDIENTS: None above reporting de minimis.

302/304 EMERGENCY PLANNING

EMERGENCY PLAN: None above reporting de minimis.

CERCLA (COMPREHENSIVE ENVIRONMENTAL RESPONSE, COMPENSATION, AND LIABILITY ACT)

Chemical Name	Wt. %	CERCLA RQ
Potassium Hydroxide	1 - 5	1,000

TSCA (TOXIC SUBSTANCE CONTROL ACT)

TSCA REGULATORY: All of the components in this product are either listed on or exempt from the Toxic Substance Control Act (TSCA) chemical substance inventory.

16. OTHER INFORMATION

Date Prepared: 3/28/2015

HMIS RATING

		3
		0
PHYSICAL HAZARD		0
PERSONAL PROTECTION		D

MANUFACTURER DISCLAIMER:

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