Safety Data Sheet

WC-245 CLEANER

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: WC-245 CLEANER
PRODUCT DESCRIPTION: CLEANER

MANUFACTURER

WAYNE CHEMICAL, INC
7114 Homestead Road
Fort Wayne, IN 46814
Emergency Phone: 260-432-1120
Customer Service: 260-432-1120
E-Mail: info@waynechemical.com

24 HR. EMERGENCY TELEPHONE NUMBERS

Poison Control Center (Medical) : (877) 800-5553
CANUTEC (Canadian Transportation) : (613) 996-6666
CHEMTREC (US Transportation) : (800) 424-9300
CHEMTREC Account Number : 24245

2. HAZARDS IDENTIFICATION

GHS CLASSIFICATIONS

Health:

Eye Corrosion
Skin Corrosion
Acute Toxicity (Oral)

GHS LABEL

Corrosion

Skull and crossbones

SIGNAL WORD: DANGER

HAZARD STATEMENTS

H290: May be corrosive to metals.
H300: Fatal if swallowed.
H314: Causes severe skin burns and eye damage.
H332: Harmful if inhaled.

PRECAUTIONARY STATEMENTS

Prevention:

P102: Keep out of reach of children.
P264: Wash thoroughly after handling.
P273: Avoid release to the environment.
P280: Wear protective gloves/protective clothing/eye protection/face protection.

Response:

P301: IF SWALLOWED: Immediately drink large amounts of water. Do NOT induce vomiting. IMPORTANT -- Have patient drink water if patient is vomiting. Do NOT give anything by mouth to an unconscious or convulsing person. SEEK MEDICAL ATTENTION IMMEDIATELY.

P302: IF ON SKIN: Immediately flush skin with large amounts of water for at least 15 minutes while removing contaminated clothing and footwear. Wash contaminated clothing before reuse. Discard footwear that cannot be decontaminated. If irritation persists, SEEK MEDICAL ATTENTION IMMEDIATELY.

P304+P341: IF INHALED: If breathing is difficult, 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 minuts. Remove contact lenses, if present and easy to do. Continue rinsing.

P306+P360: IF ON CLOTHING: rinse immediately contaminated clothing and skin with plenty of water before removing clothes.

P312: Call a POISON CENTER or doctor/physician if you feel unwell.

Storage:

P401: Store out of reach of children.
P402: Store in a dry place.
P403: Store in a well-ventilated place.
P404: Store in a closed container.

Disposal:

P501: Dispose of contents/container to local, regional, national, territorial, provincial, and international regulations.

POTENTIAL HEALTH EFFECTS

EYES: Corrosive to the eyes and may cause severe damage including blindness.

SKIN: Corrosive, causes skin burning.

INGESTION: Acute oral toxicity. Will cause severe chemical burns to the mouth, throat and digestive tract.

INHALATION: Acid vapor or mist can cause extreme irritation tothe respiratory tract.

REPRODUCTIVE TOXICITY

REPRODUCTIVE EFFECTS: No known significant effects.

TERATOGENIC EFFECTS: No known significant effects.

CARCINOGENICITY: No known significant effects.

MUTAGENICITY: No known significant effects.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt.%	CAS
Nitric Acid	< 40	7697-37-2
Citric Acid	< 20	5949-29-1

4. FIRST AID MEASURES

EYES: Immediately flush eyes with large amounts of cool running water. If present, remove contact lenses. Continue flushing for at least 15 minutes while holding eyelids apart to ensure flushing of entire eye surface. SEEK MEDICAL ATTENTION IMMEDIATELY.

SKIN: Immediately flush skin with large amounts of water for at least 15 minutes while removing contaminated clothing and footwear. Wash contaminated clothing before reuse. Discard footwear that cannot be decontaminated. If irritation persists, SEEK MEDICAL ATTENTION IMMEDIATELY.

INGESTION: If swallowed, immediately drink large amounts of water. Do NOT induce vomiting. IMPORTANT -- Readminister water if patient is vomiting. Do NOT give anything by mouth to an unconscious or convulsing person. SEEK MEDICAL ATTENTION IMMEDIATELY.

INHALATION: Remove person to fresh air at once. If breathing is difficult, give oxygen. If breathing has stopped, give mouth-to-mouth resuscitation. SEEK MEDICAL ATTENTION IMMEDIATELY.

SIGNS AND SYMPTOMS OF OVEREXPOSURE

EYES: Corrosive effect. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result.

SKIN: Corrosive to the skin.

INGESTION: Causes immediate burning pain in the mouth, throat and abdomen; severe swelling of the larynx; skeletal muscle paralysis affecting the ability to breath; circulatory shock; and convulsions. May be fatal.

INHALATION: Can be corrosive to mucous membrane.

5. FIRE FIGHTING MEASURES

FLAMMABLE CLASS: Non-flammable

EXTINGUISHING MEDIA: Dry chemical, foam, carbon dioxide or water fog or water (if appropriate for surrounding fire).

HAZARDOUS COMBUSTION PRODUCTS: May react explosively with combustible organics or readily oxidizable materials.

EXPLOSION HAZARDS: Can liberate flammable hydrogen gas upon contact with chemical reactive metals.

FIRE FIGHTING PROCEDURES: In case of fire and/or explosion do not breathe fumes. Use standard firefighting procedures and consider the hazards of other involved materials.

FIRE FIGHTING EQUIPMENT: Self-contained breathing apparatus and protective clothing should always be worn when fighting fires involving chemicals.

HAZARDOUS DECOMPOSITION PRODUCTS: Heating to decomposition may produce toxic, corrosive fumes of nitrogen oxide and hydrogen nitrate.

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILL: Wear personal protective equipment. Mop or wipe up spill and dispose of in DOT approved waste containers.

LARGE SPILL: Dike well ahead of spill with non-reactive materials such as sand. Spill may be neutralized with soda ash (sodium carbonate) broadcast on surface. Use 1.0 to 1.5 pounds of soda

ash for each gallon of spilled material. The resultant neutralized product will become carbon dioxide and water. Flush material with water and collect for disposal into plastic container. Dispose of in accordance with federal, state, or local laws.

7. HANDLING AND STORAGE

HANDLING: Avoid contact with skin and eyes. Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toliet facilities. Wash thoroughly after work using soap and water.

STORAGE: Store in a cool, dry, well ventilated space and separate from strong alkalis, chlorinated cleaners and hypochlorites. Close container tightly after each use.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE GUIDELINES

OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200)							
		EXPOSURE LIMITS					
		OSHA PEL		ACGIH TLV		Supplier OEL	
Chemical Name		ppm	mg/m³	ppm	mg/m³	ppm	mg/m³
Nitric Acid	TWA	2	5	2	5.2	NL	NL
	STEL			4	10	NL	NL
Citric Acid	TWA	N/E		N/E			

ENGINEERING CONTROLS: Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local ehaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Eye wash facilities and emergency shower must be available when handling this product.

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE: Wear safety goggles or face shield.

SKIN: Wear appropriate chemical resistant gloves. Wear appropriate chemical resistant clothing.

RESPIRATORY: If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn.

PROTECTIVE CLOTHING: Wear appropriate chemical resistant clothing.

WORK HYGIENIC PRACTICES: Always observe good personal hygiene measures, such as washing after handling the material and before eating or drinking. Routinely wash work clothing and protective equipment to remove contaminants.

9. PHYSICAL AND CHEMICAL PROPERTIES

ODOR: Characteristic Odor

APPEARANCE: Clear Liquid

COLOR: Red

pH: ~ 1.75

Notes: pH of a 1% solution

PERCENT VOLATILE: NA = Not Applicable

FLASH POINT AND METHOD: > (212°F)

VAPOR PRESSURE: NA = Not Applicable

VAPOR DENSITY: NA = Not Applicable

SOLUBILITY IN WATER: Completely Miscible

10. STABILITY AND REACTIVITY

STABLE: Yes

HAZARDOUS POLYMERIZATION: No

STABILITY: Material is stable under normal conditions.

POLYMERIZATION: Hazardous polymerization does not occur.

CONDITIONS TO AVOID: Excessive heat or contamination could cause product to become unstable. Contact with incompatibles.

POSSIBILITY OF HAZARDOUS REACTIONS: Contact with chlorine or hypochlorites will release chlorine gas. Contact with bases could result in a violent reaction generating heat.

HAZARDOUS DECOMPOSITION PRODUCTS: Heating to decomposition may produce toxic, corrosive fumes of nitrogen oxide and hydrogen nitrate.

INCOMPATIBLE MATERIALS: Reducing agents, alkalis, chlorinated cleaners, and hypochlorites. Combustibles, such as wood or cloth. Rubber; and active metals such as iron, copper, and their alloys.

11. TOXICOLOGICAL INFORMATION

EYE EFFECTS: Corrosive

SKIN EFFECTS: Corrosive

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL DATA: No data available.

ECOTOXICOLOGICAL INFORMATION: No data available.

BIOACCUMULATION/ACCUMULATION: No data available.

13. DISPOSAL CONSIDERATIONS

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

FOR LARGE SPILLS: Dike well ahead of spill with non-reactive materials such as sand. Spill may be neutralized with soda ash (sodium carbonate) broadcast on surface. Use 1.0 to 1.5 pounds of soda ash for each gallon of spilled material. The resultant neutralized product will become carbon dioxide and water. Flush material with water and collect for disposal into plastic container. Dispose of in accordance with federal, state, or local laws.

EMPTY CONTAINER: Since emptied container may retain product residue, follow label warnings even after container is emptied. Empty container should be taken to an approved waste handling site for recycling or disposal.

14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)

PROPER SHIPPING NAME: Corrosive Liquids, n.o.s. (Contains Nitric Acid)

PRIMARY HAZARD CLASS/DIVISION: 8 (Corrosive)

UN/NA NUMBER: UN 1760

PACKING GROUP: II

15. REGULATORY INFORMATION

UNITED STATES

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

EPCRA SECTION 313 SUPPLIER NOTIFICATION

Chemical Name	Wt.%	CAS
Nitric Acid	< 40	7697-37-2

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

Chemical Name	Wt.%	CERCLA RQ
Nitric Acid	< 40	1,000

TSCA (TOXIC SUBSTANCE CONTROL ACT)

Chemical Name	CAS
Nitric Acid	7697-37-2

CLEAN AIR ACT

Chemical Name	Wt.%	CAS
Nitric Acid	< 40	7697-37-2

16. OTHER INFORMATION

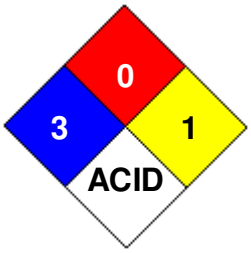
PREPARED BY: Wayne Chemical, Inc.

REVISION SUMMARY: This SDS replaces the 6/26/2014 SDS. Revised: **Section 14:** DOT (DEPARTMENT OF TRANSPORTATION) - UN/NA NUMBER.

HMIS RATING

HEALTH	3
FLAMMABILITY	0
PHYSICAL HAZARD	1
PERSONAL PROTECTION	C

NFPA CODES



MANUFACTURER DISCLAIMER: All information contained in this material is believed to be accurate and is submitted in good faith to assist our prospective users. The information, however, is without quarantee, since conditions and methods of use of our products are beyond our control. Wayne Chemical Inc. will not assume any liability arising out of the use of the products specified herein.