



Spartan Chemical Company, Inc.
Material Safety Data Sheet

SECTION I: PRODUCT INFORMATION

Product Name or Number (as it appears on label):

M*95

Product Number: 7115; 7495

Product Division:

Janitorial

Spartan Chemical Company, Inc.
1110 Spartan Drive
Maumee OH 43537

Product/Technical Information: **1-(800)-537-8990**

Medical Emergency: **1-(888)-314-6171 (24 hours)**

Chemical Leak/Spill Emergency: **CHEMTREC 1-(800) 424-9300 (24 hours)**

Shipping Description: Corrosive liquids, n.o.s., 8, UN 1760, III, (contains hydrochloric (muriatic) acid)

NFPA Ratings:	HMIS Ratings:
Health: 3 - Serious Fire: 0 - Minimal Reactivity: 0 - Minimal	Health: 3 - Serious; Chronic Hazard Fire: 0 - Minimal Reactivity: 0 - Minimal Pers. Prot. Equip.: See Section VIII

SECTION II: HAZARDOUS INGREDIENTS

(Listed when present at 1% or greater, carcinogens at 0.1% or greater) All component chemicals are listed or exempted from listing on the "TSCA Inventory" of chemical substances maintained by the U.S. Environmental Protection Agency.

Chemical Name(s)	%Wt	CAS Registry No.	Table Z-1-A			NTP, IARC or OSHA Carcinogen
			TWA mg/m ³	STEL mg/m ³	CEILING mg/m ³	
*Hydrochloric acid	5-10	7647-01-0	Not Established	Not Established	7 (3 ACGIH)	No

Comment: *This substance is subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 (SARA) and of 40 CFR 372.

SECTION III: PHYSICAL DATA

Boiling Point: 210-212 °F	Vapor Pressure: Undetermined
Vapor Density (AIR = 1): Unknown	Solubility in Water: Complete
pH: < 1	Specific Gravity (H ₂ O=1): 1.04
Evaporation Rate (but.ace.=1): <1	Percent Solid by Weight: < 1-2
Physical State: Liquid	
Appearance & Odor: Opaque green liquid, pine fragrance	

SECTION IV: FIRE & EXPLOSIVE HAZARD DATA

Flash Point: > 212°F	Method Used: ASTM-D56
Flammable Limits: Not Established	Flame Extension: N/A
Extinguishing Media: Product does not support combustion. Use extinguishing media appropriate for surrounding fire.	
Special Fire Fighting Procedures: Wear NIOSH approved self-contained breathing apparatus and protective clothing. Cool fire-exposed containers with water spray.	
Unusual Fire & Explosive Hazards: Combustion products are toxic. Acid action on most metals may release hydrogen, an explosive gas.	

SECTION V: HEALTH HAZARD DATA

Threshold Limit Value: Not Established	Primary Routes of Entry: Inhalation, Skin Contact, Eyes & Oral
Effects of Overexposure- Conditions to Avoid:	CORROSIVE. CAUSES IRREVERSIBLE EYE DAMAGE AND SKIN BURNS: Symptoms may include pain, redness, swelling and tissue damage. Harmful if absorbed through the skin. MAY BE FATAL IF SWALLOWED. Symptoms may include nausea, vomiting, pain and diarrhea. INHALATION OF VAPORS OR MIST MAY CAUSE IRRITATION OR HARM TO THE RESPIRATORY TRACT. Breathing vapors or mist may cause coughing and difficulty breathing. Do not get in eyes on skin or clothing. Do not swallow. Avoid breathing product vapors or mist. Wash thoroughly with soap and water after handling .
Conditions Aggravated by Use:	Use of this product may aggravate preexisting skin; eye and respiratory disorders including asthma and dermatitis.

Emergency & First Aid Procedures:

Eyes:	Flush eyes with water for at least 15 minutes. Remove contact lenses. Get medical attention.
Skin:	Remove contaminated clothing. Rinse skin immediately with plenty of water for at least 15 minutes. Get medical attention if irritation persists. Wash contaminated clothing before reuse.
Ingestion:	Get immediate medical attention. Do not induce vomiting. Drink one or two glasses of water to dilute product. Do not give anything by mouth to an unconscious person.
Inhalation:	Move person to fresh air. Get medical attention if irritation persists.

NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage.

SECTION VI: REACTIVITY DATA

Stability: Stable	Incompatible Materials: Strong alkalis; hypochlorites (bleach) ammonia; cyanides.
Hazardous Decomposition Products: HCL, CO, CO ₂ H	Hazardous Polymerization: Will Not Occur

SECTION VII: SPILL OR LEAK PROCEDURES

Steps to be Taken in Case Material is Released or Spilled:	Small spills of one quart or less may be flushed with plenty of water to sanitary sewer system (if permitted by local sewer regulations). Dike and contain larger spills with inert material and transfer liquid to containers for recovery or disposal.
Waste Disposal Method:	Dispose of in compliance with all federal, state and local laws and regulations.

SECTION VIII: SPECIAL PROTECTION INFORMATION

Respiratory Protection:	Not normally required when good general ventilation is provided. However, if exposure limits (see Section II) are exceeded or respiratory irritation occurs, use of a NIOSH approved respirator suitable for the use-conditions and chemicals in Section II should be considered.
Ventilation:	Provide good general ventilation. Local exhaust ventilation may be necessary for some operations.
Protective Gloves(Specify Type):	Rubber or neoprene gloves are recommended.
Eye Protection(Specify Type):	Splash goggles are recommended to prevent eye contact.
Other Protective Equipment:	Acid resistant aprons and boots are recommended where body or foot contact is likely. Eye wash stations and washing facilities should be readily accessible. See 29 CFR 1910.132-138.

SECTION IX: SPECIAL PRECAUTIONS

Precautions; Handling & Storing:	Do not contaminate water, food or feed by storage or disposal. Keep from freezing. Do not use with other chemicals. Mixtures of this product with other chemicals, particularly those containing chlorine bleach or ammonia may result in the production of toxic gases, fire or explosion.
Other Precautions:	Keep out of reach of children.

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M*95

Ref: 29 CFR 1910.1200 (OSHA)

Name: Ronald T. Cook
Effective Date: 06/01/2010
Changes: General Review

Title: Manager, Regulatory Affairs
Supercedes: 06/01/2007

This document has been prepared using data from sources considered technically reliable. It does not constitute a warranty, express or implied, as to the accuracy of the information contained herein. Actual conditions of use and handling are beyond sellers control. User is responsible to evaluate all available information when using product for any particular use and to comply with all Federal, State and Local laws and regulations.

Informative Bulletin

Market Segment:

Building Service Contractors, Education, Food Processing_Agricultural, General Manufacturing, Government, Healthcare, Lodging_Hospitality, Other, Retail

Product:

M*95

Product Number:

7495

Main Body:**PRODUCT DESCRIPTION:**

M*95 is a 9.5 percent hydrochloric acid cleaner with nonionic detergent. The detergents "wet" the surface, effectively delivering the cleaning power of hydrochloric acid to the soils. The results are quick and effective cleaning.

VERSATILE/ECONOMICAL

Dilutable. M*95 is economical and may be diluted depending on the cleaning requirement and type of surface to be cleaned.

Removes uric acid stains, hard water deposits, verdigris from metal, rust, organic matter, mildew stains

Clean and brightens ceramic tile, porcelain, discolored grout, shower walls, tubs, basins, toilets & urinals, pool tile, drinking fountains, coffee urns, vitreous china, metal (chrome, stainless steel, copper, brass).

WILL NOT HARM ACID-RESISTANT SURFACES

M*95 meets the USDA former "A3" profile "Acid cleaners for use in all departments". M*95 will not harm acid-resistant surfaces when used according to directions.

SENSE OF CLEAN

The nonionic detergent's wetting action coupled with 9.5 percent hydrochloric acid cleans away odor causing soils leaving a fresh outdoor fragrance and a true sense of clean.

DIRECTIONS FOR USE:

Some individuals may be sensitive to ingredients in this product. Before use, read product label and MSD sheet. If questions remain, consult your employer or a physician.

CONCENTRATE: Apply undiluted M*95 with a sponge, brush or swab mop to discolored grout, heavy soap scum, rust, mildew stains and hard water deposits. Rinse promptly and thoroughly.

DILUTED: Use diluted M*95 with 3 parts water for regular maintenance of ceramic tile, basins, bathtubs, shower stalls, toilet bowls, urinals, steel, pool tile, vitreous china and any other acid-resistant surfaces. Rinse promptly and thoroughly.

IMPORTANT: NEVER ALLOW M*95 TO REMAIN ON METAL SURFACES.

Not recommended for use on marble or terrazzo. Do not use undiluted M*95, except for spot removal of verdigris or hard water deposits on chrome-plated fixtures. Use with adequate ventilation. Some fiberglass such as Sterling's Vikrell is not acid-resistant. Consult manufacturer's warranty. Test in inconspicuous area before use.

SALES TIPS:

M*95 will remove rust found on tools that have been stored in damp areas. Just apply M*95, let set, rub with steel wool, rinse well, and wipe dry. For tools that are stored, spray with Spartan's Lube-All.

M*95 will clean rust from cement sidewalks. Just apply, let set, and hose off. M*95 is often used to wash the outside of cement trucks. The cement companies keep a plastic barrel of an acid-type product next to the cement loading area. Should the loader notice cement on the outside of one of the trucks or the mixing area, he will apply an acid-type cleaner like M*95 and rinse it off.

Rust can be found everywhere; for example: Oftentimes, you will see a brick building that appears rusty. This is caused by hard water used through the sprinkling systems. M*95 does a great job here.

Stainless steel flag poles often have a rusty look from hard water. M*95 will remove the rust.

Rust is heavy in some car wash stalls and, here again, M*95 does a great job of removing all rust.

One of the best places to dramatically demonstrate M*95's effectiveness is on the grout between ceramic wall tiles. M*95 will brighten even grouting that already appeared clean.

Soap and hard water deposits mix to form a scum on ceramic tile and this is a problem, particularly in heavily-used showers. M*95 will clean and brighten tile and grouting with just one application.

The rust which collects around the drain rings of wash basins, tubs, and showers vanishes quickly after using M*95. For the greatest visual impact in your demonstration, clean only half the ring.

In even the cleanest lavatories, the pipes under the sink often become coated with a green oxide called verdigris. Undiluted M*95 will remove the coating, leaving the pipes sparkling bright. Be sure to wear rubber gloves and rinse thoroughly. Never allow M*95 to remain on metal surfaces.

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SPECIFICATION DATA:

Specific Gravity – 1.04 @ 24°C/75°F

pH – <1

Density – 8.66 lbs./gal. @ 24°C/75°F

Color – Opaque green

Stability –

- a. Shelf @ 24°C/75°F – In excess of 1 year
- b. Accelerated @ 49°C/120°F – Minimum 60 days
- c. Freeze/Thaw Cycle – Freezes and thaws with complete clarity

Biodegradable Detergent

Phosphate Free

Meets USDA former "A3" profile for "Acid cleaners for use in all departments"

PACKAGING: M*95 is packaged in 15-gallon drums and quarts, 12 per case. Each drum is equipped with a drum pump and quarts are equipped with a flip-top dispensing closure. One pair of gloves are included with each case. Label copy is available in **English and Spanish.**

GUARANTEE:

Spartan's modern manufacturing and laboratory controls insure uniform quality. If dissatisfied with performance of product, any unused portion may be returned for credit within one year of the date of manufacture. Use product as directed and read all precautionary statements.

Some materials may require special handling or application. Please refer to the appropriate Material Safety Data Sheet, literature and label.

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M*95™

Mild Acid Cleaner

HMS HAZARD RATINGS: Health = 3, Flammability = 0, Reactivity = 0

Contains: Water (CAS #7732-18-5), Hydrochloric acid (CAS #7647-01-0)

Personal Protective Equipment (PPE) Recommendations: Wear splash goggles and impervious gloves.

Follow the complete directions for use on the original container label when applying this product.

Read Material Safety Data Sheet before use.

DANGER: Corrosive. Causes irreversible eye damage and skin burns. May be fatal if swallowed. Inhalation of vapors or mist may cause irritation or harm to the respiratory tract. Contains hydrochloric acid. Do not mix with hypochlorite-type bleach or other household chemicals as hazardous vapors or gases may be produced.

Do not get in eyes, on skin or clothing. Do not swallow. Avoid breathing product vapors or mist. Wash thoroughly with soap and water after handling.

See first aid statement on original container label.

DO NOT MIX WITH OTHER CHEMICALS. MEDICAL EMERGENCY: 888-314-6171. FOR INSTITUTIONAL AND INDUSTRIAL USE ONLY. KEEP OUT OF REACH OF CHILDREN



M*95™

Limpiador de Ácido Suave

ÍNDICE DE PELIGROS HMS: Salud = 2, Inflamabilidad = 0, Reactividad = 0

Contiene: Agua (No. CAS 7732-18-5), Ácido clorhídrico (No. CAS 7647-01-0)

Recomendaciones para Equipo de Protección Personal (PPE): Use guantes resistentes a salpicaduras y cuentes impermeables.

Siga las instrucciones completas para el uso en la etiqueta del recipiente original cuando aplica este producto.

Lea la hoja de datos sobre la seguridad de materiales antes de usar.

PELIGRO: Corrosivo. Causa daño irreversible a los ojos y quemaduras a la piel. Puede ser mortal si es ingerido. La inhalación de vapores o neblina puede causar irritación o daño a las vías respiratorias. Contiene ácido hidroclórico. No mezcle con lejía de tipo hipoclorito ni otras sustancias químicas domésticas debido a que pueden producir vapores o gases peligrosos. Evite el contacto con los ojos, la piel o la ropa. No lo ingiera. Evite respirar el vapor o la neblina del producto. Lávese bien con agua y jabón después de manipular.

Vea la declaración de primeros auxilios en la etiqueta del envase original.

NO MEZCLE CON OTRAS SUSTANCIAS QUÍMICAS.

EMERGENCIA MÉDICA: 888-314-6171 PARA USO INSTITUCIONAL E INDUSTRIAL SOLAMENTE. MANTENGA LEJOS DEL ALCANCE DE LOS NIÑOS

M*95™

Nettoyant Acide Doux

ÉVALUATION DES RISQUES HMS: Santé = 3, Feu = 0, Réactivité = 0

Contenu: Eau (N° CAS 7732-18-5), Acide chlorhydrique (N° CAS 7647-01-0)

Recommandations pour l'utilisation d'équipement de Protection Individuelle (PPE): Porter des lunettes de protection contre les éclaboussures et des gants imperméables.

Consulter les instructions intégrales figurant sur l'étiquette du récipient d'origine lors de l'application de ce produit.

Avant toute utilisation, lire la fiche signalétique du produit.

DANGER: Corrosif. Provoque des dommages irréversibles des yeux et des brûlures de peau. Risque d'être nocif en cas d'ingestion. Toute inhalation de vapeurs ou de brouillard risque de provoquer une irritation des voies respiratoires ou de les endommager. Contient de l'acide chlorhydrique. Ne pas mélanger de produit à blanchir de type hypochlorite ou tout autre produit chimique pour la maison en raison des vapeurs ou gaz nocifs qui peuvent être générés. Éviter tout contact avec les yeux, la peau ou les vêtements. Ne pas avaler. Ne pas respirer de vapeurs ou de brouillards. Laver abondamment avec à l'eau et au savon après toute manipulation.

Consulter les directives de premiers soins figurant sur l'étiquette du récipient d'origine.

NE PAS MÉLANGER AVEC D'AUTRES PRODUITS CHIMIQUES.

URGENCE MÉDICALE: 888-314-6171

POUR COLLECTIVITÉS ET UTILISATION INDUSTRIELLE UNIQUEMENT.

CONSERVER HORS DE LA PORTÉE DES ENFANTS

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SPARTAN CHEMICAL COMPANY, INC., 1110 Spartan Drive, Maumee, OH 43537 / 1-800-537-8990 / www.spartanchemical.com

