



E-Chem

Epsilon Chemicals Ltd.

INDUSTRIAL CLEANING SOLUTIONS



DEGREASERS

EC HOT TANK CLEANER: is a highly effective cleaner and degreaser formulated for cleaning parts in high-pressure wash cabinets and in hot tank soaking processes. It contains special surfactants to enhance removal of oil and grease and contains water softeners to reduce sludging. This product is non-corrosive to most metals when used at the recommended concentration range.

ORANGE ELIMINATOR: A highly effective CITRUS cleaner and degreaser that contains special surfactants to enhance removal of oil and grease. This product is non-corrosive to most metals when used at the recommended concentration range.

ELIMINATOR: A highly effective cleaner and degreaser that contains special surfactants to enhance removal of oil and grease and contains water softeners to reduce sludging. This product is non-corrosive to most metals when used at the recommended concentration range. **Eliminator** can be used for removing carbonized residues, Oils, greases and pipe dope and cleaning transmission components and engine parts.

EC FLOOR SCRUB: A low foaming, concentrated liquid floor cleaner and degreaser. This product is best suited for removing oil, grease and other soils from concrete and tile floors. EC Floor Scrub contains special surfactants to enhance the removal of oil and grease and contains water softeners for use in hard water conditions. This product is non-corrosive to most metals when used at the recommended concentration range.

MANKIND: A concentrated natural solvent based heavy-duty degreaser formulated for a wide variety of industrial cleaning applications, including grease traps, forklift tire marks, grime and dirt from hard surfaces, engines and other machinery, carbon deposits, dirt and grime from vehicle wheels and brake dust

APD CLEANER: is a concentrated natural solvent based heavy-duty degreaser formulated for a wide variety of industrial cleaning applications. This unique organic blend contains a combination of surfactants and orange oil making it very effective when removing oil and grease from most surfaces while leaving a fresh, natural scent. APD Cleaner does not contain phosphates or petroleum solvents.

CITRA GEL: A heavy-duty natural solvent degreaser. Effectively emulsifies tar and asphalt, and removes many adhesives and industrial coatings. Citra-Gel is thickened to provide adherence to vertical surfaces.

HD DEGREASER: A completely water-soluble product for exceptional degreasing and cleaning of a wide variety of surfaces. This product requires no additional solvent and is non-flammable. **HD Degreaser** is ideally suited for degreasing and cleaning engines, "off road" equipment and concrete floors.

CITRACON: is a biodegradable, non-caustic, non-foaming cleaner and degreaser formulated to clean all types of surfaces leaving a pleasant citrus odour. This product works on grease traps, fryers, transportation equipment, engines and tires. At full strength Citracon cleans gum, glue, tape residue, decals, as well as candle & crayon wax (using caution on plastics, fibreglass and or Plexiglas).

GET CLEAN: is a medium foaming, slightly alkaline liquid cleaner and degreaser. It is a top quality all-purpose liquid butyl cleaner and degreaser. It can be used to clean almost any surface.

GR-2000 is a concentrated, non-corrosive solvent-based degreaser that provides high strength cleaning and degreasing power. This product is a special mixture of natural solvents, synthetic hydrocarbons and a proprietary blend of wetting agents. GR-2000 is ideal for removing heavy mechanical greases and oils found on food plant equipment, as well as for use in parts washers and dip tanks.

RBW DEGREASER: a highly effective environmentally friendly cleaner and degreaser that contains biodegradable surfactants and naturally derived solvents to enhance removal of oil, grease and hydrocarbon-based liquids/residues.

HEAVY DUTY DEGREASERS AND RIG WASHES

GREASE CUTTER PLUS: is an economical and unique blend of environmentally friendly, biodegradable surfactants and natural solvents. This product is very effective for removing oil, grease and hydrocarbon-based liquid or residues. Grease Cutter Plus is non-corrosive to most metals.

ENVIRO RIG WASH: a highly effective, environmentally friendly cleaner and degreaser that contains biodegradable surfactants and a natural solvent to enhance removal of oil, grease and hydrocarbon-based liquids/residues. This product is non-corrosive to most metals when used at the recommended concentration range and contains no harmful solvents.

BITUMEN REMOVER M: a highly effective, environmentally friendly degreaser that contains a proprietary blend of biodegradable surfactants and a natural solvent to enhance removal of oil, grease and hydrocarbon-based liquids/residues, including bitumen.

CITRA BLAST RW: a heavy duty organic cleaner and degreaser that provides excellent cleaning power with a mild pine scent. Citra Blast RW has been formulated with natural solvents and wetting agents that do not have the toxicity and strong odours associated with petroleum based solvents. Citra Blast RW can be used for removing carbonized residues, oils, greases and pipe dope, and bitumen

ECO SMART RIG WASH: a highly effective, environmentally friendly cleaner and degreaser that contains biodegradable surfactants and a naturally derived solvent from fatty acids to enhance removal of oil, grease and hydrocarbon-based liquids/residues. This product is non-corrosive to most metals when used at the recommended concentration range and contains no harmful solvents.

HFP PREMIUM DEGREASER: is a concentrated, organic heavy duty degreaser that provides high strength cleaning power. It is an environmentally friendly blend of natural solvents and wetting agents formulated to remove bitumen deposits, oils, grease, pipe dope and other carbonized residues.

NS DEGREASER CONCENTRATE: is a concentrated, organic heavy duty degreaser. NS Degreaser Concentrate is an environmentally friendly blend of methyl esters and natural wetting agents formulated to remove bitumen deposits, oils, grease, pipe dope and other carbonized residues.

RIG WASH CONCENTRATE: a very heavy duty organic cleaner and degreaser that provides high strength cleaning power with a mild pine scent. This product is a mixture of natural solvents that will eliminate the toxicity and strong odours associated with petroleum based solvents. Rig Wash Concentrate can be used for removing carbonized residues, oils, greases and pipe dope, and bitumen

BR-1000 is a concentrated solvent-based degreaser that provides high strength cleaning and degreasing power. This product is a special blend of natural solvents, synthetic hydrocarbons and a proprietary blend of wetting agents. **BR-1000** does not have the toxicity and strong odours associated with petroleum based solvents.

BITUMEN REMOVER HD: a concentrated, organic cleaner and degreaser formulated to provide high-strength cleaning with a mild pine scent. This mixture of natural solvents also contains a proprietary blend of wetting agents and is very effective in the removal of carbonized residues as well as bitumen.

METAL CLEANERS

PA CLEANER: a highly concentrated, moderately foaming liquid acid cleaner. This product has been specifically formulated to effectively remove dirt, rust, mineral deposits, oxides and other inorganic matter from stainless steel, aluminum and other types of metal surfaces.

PA INHIBITED is a highly concentrated, moderately foaming liquid acid cleaner containing an environmentally safe, proprietary blend of acid **corrosion inhibitors** that provide multi-metal protection. This product has been specifically formulated to effectively remove dirt, rust, mineral deposits, oxides and other inorganic matter from stainless steel, aluminum and other types of metal surfaces.

SAS METAL CLEANER is a highly concentrated, moderately foaming liquid acid cleaner containing an environmentally safe, proprietary blend of acids and corrosion inhibitors that provide multi-metal protection. This product has been specifically formulated to effectively remove dirt, rust, mineral deposits, oxides and other inorganic matter from stainless steel, aluminum and other types of metal surfaces.

POLI-BRIGHT: A concentrated, **foaming** liquid acid cleaner and brightener for polished aluminum trailers or other exterior unpainted aluminum or stainless steel surfaces.

EC GREEN CHROME CLEAN is a highly effective, environmentally friendly metal cleaner, degreaser and brightener. It removes oxidation from metal surfaces leaving a shining surface.

CS 2010 is a foaming, liquid aluminum brightener with hydrofluoric acid replacement technology

SPECIALTY PRODUCTS

CONCRETE BUDDY: A biodegradable blend of acids and surfactants formulated to remove the white chalky powder found on concrete and masonry surfaces (efflorescence salts). It is designed for use on concrete, brick, masonry, Saltillo tile and other surfaces not harmed by acid solutions.

CS CONCRETE REMOVER is an environmentally responsible, unique blend of chemical agents that effectively work together to remove concrete from trucks, tools, construction equipment, etc. **CS Concrete Remover** is water soluble, non-fuming, non-flammable and easy to use.

TURBO TECH a high quality, non-hazardous oil used in cutting, forming, tapping, drawing and threading applications. This water soluble lubricant with an effective antimicrobial component will provide cooling to the tool and work piece, while extending the life of the cutting tool and decreasing time for maintenance.

FOAMING CONCRETE REMOVER A unique blend of biodegradable chemical agents that work together to remove concrete from trucks, tools, construction equipment, etc. This product creates a dense foam, allowing it to stick to surfaces longer for more effective cleaning.

DUST CONTROL 1243 An eco-friendly, cost-effective dust suppressant that is blended with water and applied topically to roads using a variety of application methods. This product creates a safer traveling environment by improving visibility, stabilizing the aggregate surface and reducing pot holing. The end result of a treated area is cleaner air which promotes better health & fewer complaints

TRANSPORTATION

CONCENTRATES: The **MIRA** line of Epsilon concentrates are unique, **environmentally friendly** vehicle cleaners that have been specifically formulated for application at **very high dilutions**. Advantages include: Less inventory required on site as product will last up to **3 times longer** than traditional products; Lower order frequency required; Freight savings; No drums to dispose of, reducing an operations carbon footprint in terms of packaging; All of our concentrates are nonyl/octyl phenol ethoxylate and phosphate free.

MIRA-WASH: A very highly concentrated wand wash, pre-soak and tire cleaner that effectively penetrates, loosens and removes road film, leaving a clean and shiny painted surface. When applied at slightly lower dilutions, **Mira-Wash** is also a very effective pre-soak, tire cleaner and engine degreaser. It contains emulsifiers for degreasing and loosening heavy soil deposits leaving a clean surface.

MIRA-LUBE: A very highly concentrated white brush lubricant formulated for use in tunnel and wand washes.

MIRA-GLOSS: A very highly concentrated non-mineral oil clear coat protectant. This product provides high shine protection from road grime and weather elements.

MIRA-QUEST: A slightly alkaline high foaming liquid detergent formulation for use in car and truck washes.

MIRA-CON: A very highly concentrated, high foaming, cationic clear coat conditioner.

MIRA-HIB: A very highly concentrated, highly effective rust protectant for use in car washes to help protect under bodies of automobiles. This product helps prevent oxidation of undercoats and protects exposed metal from corrosion,

MIRA-SUDS: A very highly concentrated blend of detergents formulated for hand-mitting or manual washing. This product can be used through many types of dispensers, including: foam arches, foam units and hand mixers.

POWER POWDER: A concentrated, slightly alkaline, high-foaming granular detergent that rapidly cuts through road grim and effectively removes road film.

TANGO: A slightly alkaline, high foaming liquid detergent that effectively penetrates, loosens and removes road film.

SE PLUS: A moderately alkaline, premium liquid detergent formulation for use in touch-less vehicle washes and tunnel wash pre sprays. It effectively penetrates, loosens and removes road film, leaving a clean and shiny painted surface.

WASTEWATER TREATMENT

The Environmental Group of Epsilon Chemicals Ltd. specialises in the study and treatment of wastewater streams. Its objective is to identify and develop innovative new products and optimised approaches to effluent treatment so that plants meet government standards and operate within permit compliance. Products and services include:

- **Flocculants, coagulants, metal scavengers, pH control systems, TSS Monitors** and other instrumentation.
- **Soil erosion Gel Polymer Blocks.** When applied at the site, gel blocks will flocculate fine particles, improve drainage, reduce turbidity, erosion, and fines' carryover to the sediment pond.
- PLC controlled turnkey wastewater treatment systems with remote monitoring capabilities.
- Roller Presses specifically designed for reducing water content of wastewater sludge.
- Full service laboratory for completing water and chemical analyses.



E-Chem's Envirofloc™ Technology has been recognized in the scientific community:

- 1995 Alberta Science and Technology Award For Excellence in Industrial Research
- 1998 Emerald Environmental Award