SAFE CARE®
Industrial Cleaners, Solvents & Specialty Products

SC-MaxiSolv™ Safety Solvent

ENVIRONMENT: The ecotoxicity of ***SC-MaxiSolv™*** was studied using *Daphnia magna* and *Pimephales promelas*. The ecotoxicity data was evaluated by means of Structure Activity Relations (SAR), using existing data on a non-polar narcotic mechanism of toxicity as a baseline for comparison. It was evident that ***SC-MaxiSolv™*** was slightly more toxic in comparison to baseline non-polar narcotic toxicity data.

SC-MaxiSolv™ degraded more than 60% in the ready biodegradability tests and from the data presented it is evident that the majority of ***SC-MaxiSolv™*** is readily biodegradable. When aquatic toxicity was considered together with its rapid biodegradability, it was concluded that ***SC-MaxiSolv™*** is safe for the environment.

TOXICITY:

Oral:	LD_{50} greater than 4000 mg/kg (rat) (RTECS 1985-6)
Inhalation:	LC_{50} is generally above 5000 mg/m^3
Eye:	Irritants
Skin:	Irritant, but not skin sensitizer

No evidence of teratogenicity or maternal toxicity was observed in an inhalation or dermal study. ***SC-MaxiSolv™*** does not appear to cause systemic toxicity, except at very high concentrations (1800 mg/m^3 or higher). Sensory irritation tests suggest that a vapor exposure limit of 75 mg/m^3 (15 ppm) should prevent irritation in humans, therefore exposure level for vapor of 75 mg/m^3 is recommended.

INSTRUCTIONS: ***SC-MaxiSolv™*** is simple to use in a variety of cleaning applications and will not harm most substrates including metal. It may be sprayed on or applied with a cloth, then wiped away from the surface. For heavy-duty soil such as printing ink, agitation may be necessary to lift the soil from the surface. ***SC-MaxiSolv™*** may be used at room temperature, although warming enhances cleaning soils such as flux from circuit boards. ***SC-MaxiSolv™*** works effectively in ultrasonic cleaners and automatic parts waters, and is most effective in a submersion process where the part is then pulled and allowed to air dry.

CAUTION: ***SC-MaxiSolv™*** will react with polystyrene, polysulphates, acrylics, polyurethane and neoprene. Although ***SC-MaxiSolv™*** is an evaporative solvent, continuous exposure will cause some rubbers, PVC, EPDM and ABS to become brittle over time.

STORAGE: ***SC-MaxiSolv™*** has a shelf life of 12 months, and up to 24 months if kept in a closed container, from the date of manufacture. Store in a cool, ventilated location away from heat, sparks, open flames or static electricity. Avoid contact with strong oxidizers and acids.

DISPOSAL: ***SC-MaxiSolv™*** is considered safe for the environment, however, with use contamination this product should be handled as a hazardous waste and sent to RCRA approved facilities or the product may be burned in a chemical incinerator equipped with after burner and scrubber.

Safely CLEANING planet earth

A Division of ***GEMTEK® Products***
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SAFE CARE®

Industrial Cleaners, Solvents & Specialty Products

SAFE CARE® MaxiSolv™ Safety Solvent

DESCRIPTION: ***SC-MaxiSolv™*** is a 100% water miscible, moderately evaporative solvent that can replace hazardous volatile products for general industrial cleaning. An organic solvent with low flammability, ***SC-MaxiSolv™*** will not react with other cleaning compounds, and is an effective co-solvent.

APPLICATIONS: ***SC-MaxiSolv™*** has a Kauri Butinal (KB) value estimated at 1,000+ and is appropriate for precision cleaning applications where the surface being cleaned needs to be left dry, without any residual product or requiring a further cleaning step. ***SC-MaxiSolv™*** is a suitable release agent for removing:

- Industrial resins, silicone oils and greases, epoxies, and lubricants
- Metalworking fluids, coolants, fats, oils, and lithium greases
- Printing layout inks
- Carriers of oils, lubricants, and coatings

EQUIPMENT: In most cases, ***SC-MaxiSolv™*** may be used as a direct replacement for hazardous evaporative solvents without changing equipment or procedure. Although ***SC-MaxiSolv™*** is safe to use, it is recommended that equipment should be designed to handle flammable or combustible liquids.

REGULATIONS: ***SC-MaxiSolv™*** complies with:

- OSHA 29-CFR Ch. XVII 1910.1200 and 40 CFR Ch. 1, Subparts C & D
- USEPA 600, 4-90, 027 for aquatic toxicity
- USEPA 601 & 602 for VOC testing
- SNAP for precision and electronics cleaning
- GSA SIN 375-362, 375-363 & 375-364
- US DOT: Class 55, Liquid Cleaning Compounds

SC-MaxiSolv™ is a powerful replacement for:

- 1,1,1-Trichloroethane, TCA
- Trichloroethylene, TCE
- Acetone
- Toluene, Methyl benzene
- Perchlorochylene
- Glycol Ethers, Butyl Cellosolve

SAFE CARE® PRODUCTS ARE:

- Non-toxic
- Non-reactive
- Non-carcinogenic
- Readily biodegradable
- Derived from renewable resources
- Safe to use, store and dispose of

SAFE CARE® PRODUCTS DO NOT CONTAIN:

- Petroleum distillates
- Glycol ethers
- Terpenes
- Synthetics
- Builders & reagents
- Caustics

BASIC PROPERTIES:

Appearance:	Clear, colorless to light yellow, slightly viscous liquid
Odor:	Strong solvent
Water Solubility:	100%
Boiling Point:	309ºF (154ºC)
Flash Point:	145°F (62.8°C)
Specific Gravity:	1.034 (Water = 1)
Vapor Density:	4.07 (Air = 1)
pH Range:	Not determined

The information contained herein is believed to be correct including test data conducted under controlled laboratory conditions. Users of ***SAFE CARE*** products should perform their own test(s) to determine the suitability of the product for their specific application(s). For questions: techsupport@gemtek.com

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