

Zip-Chem Products
X-405 Window Cleaner
Material Safety Data Sheet

Section: 1 CHEMICAL PRODUCT AND COMPANY INFORMATION

Product Name: X-405 Window Cleaner **For Additional Product Information:** 1 (800) 648-2661

Chemical Family: Aqueous Window Cleaner

Manufacturer: Zip-Chem Products **In Emergency:** 1 (800) 424-9300
 400 Jarvis Drive
 Morgan Hill, CA 95037

Section: 2 COMPOSITION/INFORMATION ON HAZARDOUS INGREDIENTS

FOR EXPOSURE LIMITS SEE SECTION 8
 FOR OTHER TOXICOLOGICAL INFORMATION SEE SECTION 11

HAZARDOUS INGREDIENTS

Descriptive Name	CAS Number	Percentage Range	Hazard Type per CFR 1910.1200	Exposure Limits	LD ₅₀	LC ₅₀	NTP, IARC, Or OSHA Carcinogen
None							

Section: 3 HAZARDS IDENTIFICATION

PHYSICAL HAZARDS:

ACUTE HEALTH EFFECTS: None known

CHRONIC HEALTH EFFECTS: None known

IATA CLASSIFICATION:

HMIS RATINGS:

Health: 1
 Flammability: 0
 Reactivity: 0
 Protective Equipment: A

Section: 4 FIRST AID MEASURES

EYES: Flush with water. Take to physician if irritation persists.

SKIN: Wash affected area with water.

INGESTION: Drink large amounts of water. Contact a physician if necessary.

INHALATION: Not considered a hazard for this route of exposure, but if irritation to respiratory tract occurs remove from exposure.

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Section: 5 FIRE AND EXPLOSION HAZARDS

FLAMMABILITY DATA:

FLAMMABLE/COMBUSTIBLE/PYROPHORIC: Not flammable
FLASH POINT AND METHOD: None PMCC
AUTOIGNITION TEMPERATURE: Not established

FLAMMABLE LIMITS AT NORMAL TEMPERATURE AND PRESSURE (PERCENT VOLUME IN AIR):

LEL: N/A UEL: N/A

EXPLOSION DATA:

SENSITIVITY TO MECHANICAL IMPACT: Not Sensitive
SENSITIVITY TO STATIC DISCHARGE: Not Sensitive

EXTINGUISHING MEDIA: Foam, Alcohol Foam, CO₂, Dry Chemical, Water Fog

FIRE FIGHTING TECHNIQUES AND COMMENTS: Use standard firefighting techniques to fight fires involving this material. The material itself is not flammable.

HAZARDOUS COMBUSTION PRODUCTS: Carbon dioxide, carbon monoxide

Section: 6 ACCIDENTAL SPILL/RELEASE INFORMATION

FOR ALL TRANSPORTATION ACCIDENTS CALL CHEMTREC AT 1-800-424-9300.

REPORTABLE QUANTITY: Not Applicable

SPILL MITIGATION PROCEDURES:

Stop source of spill as soon as possible and notify appropriate personnel. Burm around spill area to prevent spill from spreading. Ventilate area.

AIR RELEASE:

Vapors may be suppressed by use of water fog or spray.

WATER RELEASE:

Material is soluble in water.

LAND SPILL:

Create a trench to contain materials. Spilled materials may be contained using sand, clay, earth or a commercial absorbent. Do not place materials back in their original container.

SPILL RESIDUES:

Dispose of per guidelines under section 13, DISPOSAL CONSIDERATIONS.

PERSONNEL PROTECTION FOR EMERGENCY SPILL AND FIRE FIGHTING SITUATIONS:

Protective clothing may be worn to prevent personal contact with this material. Material is not considered hazardous.

Section: 7 HANDLING AND STORAGE

DO NOT TAKE INTERNALLY.

STORAGE CONDITIONS:

Store in a cool, dry, well-ventilated place.

PRODUCT STABILITY AND COMPATIBILITY:

SHELF LIFE LIMITATIONS: Unlimited when stored in original, unopened containers

INCOMPATIBLE MATERIALS FOR STORAGE OR TRANSPORT: Strong oxidizing agents

INCOMPATIBLE MATERIALS FOR PACKAGING: N/A

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Section: 8 PREVENTIVE MEASURES

PERSONAL PROTECTION FOR ROUTINE USE OF THIS PRODUCT:

RESPIRATORY PROTECTION: Breathing apparatus is not required for use of this product.

SKIN AND EYE PROTECTIVE EQUIPMENT: None needed for normal use

ENGINEERING CONTROLS

VENTILATION: Local or mechanical to keep Section II ingredients below their exposure limits.

EQUIPMENT SPECIFICATIONS (WHEN APPLICABLE):

RESPIRATOR TYPE: None required

PROTECTIVE CLOTHING TYPE: (This includes: gloves, boots, apron, protective suit): None needed for normal use.

WASTE DISPOSAL:

Spilled material collected in absorbent material should be transferred to steel disposal or recovery drums. If this product becomes a waste, it should be disposed of in accordance with local, state and federal regulations.

Section: 9 PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE(gas, liquid, solid): Liquid

APPEARANCE: Blue

ODOR: Slight odor

FREEZING POINT: -5° C

BOILING RANGE: Not Determined

DECOMPOSITION TEMPERATURE: Not Determined

SPECIFIC GRAVITY (H₂O=1): 1.0

BULK DENSITY: 8.3 lbs/gal @ 70 Deg F

pH @ 25 Deg C: 8.5-8.9

VAPOR PRESSURE @ 25 Deg C: 18 mm of Hg

SOLUBILITY IN WATER: Soluble

VOLATILES, PERCENT BY WEIGHT: >97%

EVAPORATION RATE: Slower than Ether

VAPOR DENSITY: Heavier than air

VOLATILE ORGANIC COMPOUND (VOC) G/L: None

Section: 10 STABILITY AND REACTIVITY DATA

CONDITIONS UNDER WHICH THIS PRODUCT MAY BE UNSTABLE:

MECHANICAL SHOCK OR IMPACT: No

ELECTRICAL (STATIC) DISCHARGE: No

HAZARDOUS POLYMERIZATION: Will Not Occur

INCOMPATIBLE MATERIALS: Strong oxidizing agents.

CONDITIONS OF REACTIVITY: None known

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon dioxide, carbon monoxide

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Section: 11 TOXICOLOGICAL PROPERTIES

WARNING STATEMENTS AND WARNING PROPERTIES:
 DO NOT TAKE INTERNALLY.

SIGNS, SYMPTOMS AND EFFECTS OF EXPOSURE

INHALATION

ACUTE: None known

CHRONIC: None known

SKIN

ACUTE: None known

CHRONIC: None known

EYE

May cause irritation.

INGESTION

ACUTE: None known

CHRONIC: None known

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: None known.

INTERACTIONS WITH OTHER CHEMICALS THAT ENHANCE TOXICITY: None Known

ACUTE TARGET ORGAN TOXICITY: No organs known to be damaged from exposure to this product.

CHRONIC TARGET ORGAN TOXICITY: There are no known effects from repeated exposure.

REPRODUCTIVE AND DEVELOPMENTAL TOXICITY: There are no known or reported effects on reproductive function or fetal development.

CARCINOGENICITY: NTP? NO IARC MONOGRAPHS? NO OSHA REGULATED? NO

MUTAGENICITY: This product is not known to be mutagenic.

EXPOSURE LIMITS: Not Determined

Section: 12 ECOLOGICAL INFORMATION

AQUATIC TOXICITY: None known or reported.

Section: 13 DISPOSAL CONSIDERATIONS

Spilled material collected in absorbent material should be transferred to steel disposal or recovery drums. If this product becomes a waste, it should be neutralized and disposed of in accordance with local, state and federal regulations.

Section: 14 TRANSPORT INFORMATION

DOT SHIPPING NAME: DOT Non-Regulated (Soap)

DOT HAZARD CLASS: None

DOT PACKING GROUP: None

DOT REPORTABLE QUANTITY:

Section: 15 REGULATORY INFORMATION

INTERNATIONAL

All components of this product are listed on the following inventories: MITI (Japan) EINECS (EEC) DSL (Canada).

FEDERAL

TOXIC SUBSTANCES CONTROL ACT (TSCA):

The components of this product are listed on the TSCA inventory.

SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT TITLE III (SARA):

Section 302/304

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Requires emergency planning based on 'Threshold Planning Quantities' (TPQs), and release reporting based on Reportable Quantities (RQs) of 'Extremely Hazardous Substances' (EHS) listed in Appendix A of 40 CFR 355. There are no components of this material with known CAS numbers that are on the EHS list.

Section 311 & 312

Based upon the available information, there are no components classified as a health and/or physical hazards according to Section 311 & 312

Section 313

This material does not contain chemicals with known CAS numbers subject to the reporting requirements of SARA Title III, Section 313 and 40 CFR 372:

Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA)

This material does not contain chemical(s) with known CAS numbers classified as hazardous substances subject to the reporting requirements of CERCLA (40 CFR 302) and to the release reporting requirements of SARA (Section 302) based on reportable quantities (RQs):

OSHA Regulations

'Chemical-specific' U. S. Occupational Safety and Health Administration (OSHA) regulations (1910.1002 to 1910.1050) presented under 29 CFR 1910 do not apply to this material or its components.

Other EPA Regulations

No additional information available.

State

California Safe Drinking Water and Toxic Enforcement Act of 1988- Proposition 65

This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins under California Proposition 65 at levels that would be subject to the proposition

California South Coast Air Quality Management District (SCAQMD) Rule 443.1 (VOC's)

A Volatile Organic Compound (VOC) is any volatile compound of carbon excluding methane, carbon monoxide, carbonic acid, metallic carbides or carbonates, ammonium carbonate, 1,1,1-trichloroethane, methylene chloride, FC-23, CFC-113, CFC-12, CFC-11, CFC-22, CFC-114, and CFC-115. By this definition, this is not a VOC material.

Massachusetts Right to Know Substance List (MSL) [105 CMR 670.000]

Hazardous Substances (MSL-HS) on the MSL must be identified when present in materials at levels greater than state specified criterion. The criterion is: $\geq 1\%$. There are no components with CAS numbers present in this material.

Pennsylvania Right to Know Hazardous Substance List

Hazardous Substances (PA-HS) must be identified when present in materials at levels greater than the state specified criterion. The criterion is $\geq 1\%$. There are no components present in this material at a level that could require reporting.

Section: 16 PREPARATION INFORMATION

REVISION INFORMATION:

PREPARED BY:
 APPROVAL DATE:
 SUPERSEDES:

Periodic review
 J Smith
 2/24/09
 12/28/05

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