



Material Safety Data Sheet (MSDS)

Revision Date: 15 August 2011

Section 1. Product and Company Information

Chemical Name: Withheld as a trade secret (OSHA 29 CFR 1910.1200 [i] [1])
Synonym(s): None
Tradename: MethChek® Step 1 Wetting Agent
Catalog No.: Component of 560-002, 560-003, 560-003A, 560-003B, 560-004, 560-004A, 560-004B, and 560-005B

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Section 2. Composition/Information on Ingredient(s)

Chemical Name	CAS #	Percent (Approx. by wt)	OSHA PEL	ACGIH® TLV	Listed Carcinogen		Notes
					NTP	IARC	
Trade secret component 1 (4-ingredient solution)	Not reported	1	No	No	No	No	Health hazard, see Section 3
Trade secret component 2	Not reported	0.1	No	No	No	No	None
Distilled water	7732-18-5	98.9	No	No	No	No	Expected to be non-hazardous

Important Note:

As required by U.S. OSHA regulations, hazard information supplied below is based on exposure to reagent-grade (full-strength) chemicals. SKC MethChek Kits, however, contain dilute solutions of 1% by weight of trade secret component 1. Trade secret component 2 falls below concentration requirements for "full strength" reporting and is not a listed carcinogen.

Section 3. Hazards Identification

Emergency Overview

OSHA Hazards: Mild skin irritant
Mild eye irritant
Delayed target organ effects **Target Organ(s):** Heart
Avoid contact and inhalation.

HMIS Classification:

Health Hazard:	1*
Flammability:	0
Reactivity:	0

* = Additional chronic hazards present

NFPA Rating:	Health Hazard:	1
	Fire:	0
	Reactivity Hazard:	0

Potential Health Effects

Inhalation:

May be harmful if inhaled. May be irritating to mucous membranes. May cause respiratory tract irritation.

Skin:

May be harmful if absorbed through skin. May cause skin irritation.

Eyes:

May cause eye irritation

Ingestion:

May be harmful if swallowed

For additional information on toxicity, please refer to Section 11.

Section 4. First Aid Measures

If inhaled:

If breathed in, move person into fresh air. If not breathing, give artificial respiration. If breathing becomes difficult, call a physician.

In case of skin contact:

Immediately wash off with soap and plenty of water.

In case of eye contact:

Flush eyes with copious amounts of water for at least 15 minutes separating eyelids with fingers. Call a physician.

If swallowed:

Never give anything by mouth to an unconscious person. Rinse mouth with water. Call a physician.

Notes to Physician

Treat symptomatically and supportively.

Section 5. Fire Fighting Measures

Flammable Properties

Flash point:	No data available
Auto ignition temperature:	No data available
Flammability:	No data available

Suitable Extinguishing Media

Suitable: Noncombustible. Use extinguishing measures that are appropriate to surrounding fire conditions.

Special Protective Equipment for Fire-fighters

Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

Specific Hazard(s)

Emits toxic fumes under fire conditions

Further Information

The product itself does not burn.

Section 6. Accidental Release Measures

Personal Precautions

Use appropriate personal protective equipment as indicated in Section 8. Exercise appropriate precautions to minimize direct contact with skin or eyes.

Environmental Precautions

Do not let product enter drains.

Methods for Cleaning Up

Absorb on sand or vermiculite. Sweep up and place in bag and hold for waste disposal; avoid raising dust. Keep in suitable, closed containers for disposal. Ventilate area and wash spill site after material pickup is complete.

Section 7. Handling and Storage

Handling

Avoid inhalation. Avoid contact with eyes, skin, and clothing. Avoid prolonged or repeated exposure.

Storage

Keep container tightly closed. Store at ambient temperatures (68 to 77 F [20 to 25 C]).

Section 8. Exposure Controls/Personal Protective Equipment (PPE)

Contains no substances with occupational exposure limit values

Engineering Controls

Safety shower and eye bath. Mechanical exhaust required.

Personal Protective Equipment

Respiratory:	Use respirators and components tested and approved under appropriate government standards such as NIOSH (U.S.) or CEN (EU). Respiratory protection is not required. Where protection is desired, use multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges.
Hand:	Protective gloves
Eye:	Chemical safety goggles

General Hygiene Measures

Wash thoroughly after handling. Use general industrial hygiene practice.

Section 9. Physical/Chemical Properties

Appearance

Color:	Clear
Form:	Liquid
Odor:	Odorless

Note: No further properties were reported by chemical supplier.

Section 10. Stability and Reactivity

Storage Stability

Stable under recommended storage conditions

Materials to Avoid

Strong acids, strong bases, and strong oxidizing agents

Hazardous Decomposition Products

Hazardous Decomposition Products Formed Under Fire Conditions

Phosphorous oxides, potassium oxides, hydrogen chloride gas, sodium/sodium oxides, and carbon oxides

Hazardous Polymerization

Will not occur

Section 11. Toxicological Information

The identities of ingredients 1, 2, 3, and 4 of trade secret component 1 and the identification of trade secret component 2 are withheld as a trade secret (OSHA 29 CFR 1910.1200 [i] [1]).

Route of Exposure/Potential Health Effects

Skin Contact:	May cause skin irritation
Skin Absorption:	May be harmful if absorbed through the skin
Eye Contact:	May cause eye irritation
Inhalation:	May be harmful if inhaled. Material may be irritating to mucous membranes and upper respiratory tract.
Ingestion:	May be harmful if swallowed
Target Organ(s):	Heart

Signs and Symptoms of Exposure

May cause decrease in blood pressure. Exposure can cause: abdominal pain, nausea, vomiting, hyperkalemia, diarrhea, constipation, parasthesia, thirst, dizziness, rash, pruritus, weakness, muscle cramps, minor psychiatric changes, and minor visual changes; dehydration and congestion may occur in internal organs. Can produce inflammatory reactions in the gastrointestinal tract. To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Acute Toxicity - Trade Secret Component 1

Ingredient 1 of Trade Secret Component 1:	LD50 Dermal - rabbit - > 4640 mg/kg
Ingredient 2 of Trade Secret Component 1:	LD50 Oral - rat - 2600 mg/kg
Ingredient 3 of Trade Secret Component 1:	LD50 Oral - rat - 3000 mg/kg LD50 Inhalation - rat - 1 h - > 42,000 mg/m ³ LD50 Dermal - rabbit - > 10,000 mg/kg
Ingredient 4 of Trade Secret Component 1:	None reported

Irritation and Corrosion - Trade Secret Component 1

Ingredient 1 of Trade Secret Component 1:	No data available
Ingredient 2 of Trade Secret Component 1:	Eyes - rabbit - mild eye irritation - 24 h
Ingredient 3 of Trade Secret Component 1:	Skin - rabbit - mild skin irritation - 24 h Eyes - rabbit - mild eye irritation
Ingredient 4 of Trade Secret Component 1:	None reported

Sensitization - Trade Secret Component 1

Ingredient 1 of Trade Secret Component 1:	No data available
Ingredient 2 of Trade Secret Component 1:	No data available
Ingredient 3 of Trade Secret Component 1:	No data available
Ingredient 4 of Trade Secret Component 1:	None reported

Chronic Exposure - Trade Secret Component 1

Ingredient 1 of Trade Secret Component 1:	No data available
Ingredient 2 of Trade Secret Component 1:	No data available
Ingredient 3 of Trade Secret Component 1:	No data available
Ingredient 4 of Trade Secret Component 1:	None reported

Chronic Exposure - Trade Secret Component 2

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as a probable, possible, or confirmed human carcinogen by IARC.

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Distilled Water Data

RTECS#: None reported

CAS#: 7732-18-5: ZC0110000

LD50/LC50: CAS# 7732-18-5: Oral, rat: LD50 = > 90 ml/kg

Carcinogenicity: CAS# 7732-18-5: Not listed by ACGIH, IARC, NTP, or CA Prop 65

Epidemiology: No information found

Teratogenicity: No information found

Reproductive Effects: No information found

Mutagenicity: No information found

Neurotoxicity: No information found

Other Studies: None reported

Section 12. Ecological Information

The identities of ingredients 1, 2, 3, and 4 of trade secret component 1 are withheld as a trade secret (OSHA 29 CFR 1910.1200 [i] [1]).

Elimination Information (persistence and degradability)

No data available

Ecotoxicity Effects**Ingredient 2 of Trade Secret Component 1**

Toxicity to Fish: LC50 - Pimephales promelas (fathead minnow) - 880 mg/L - 96 h
 Mortality NOEC - Pimephales promelas (fathead minnow) - 500 mg/L - 7 d
 Mortality LOEC - Pimephales promelas (fathead minnow) - 1000 mg/L - 7 d

Toxicity to Daphnia and**Other Aquatic****Invertebrates:** EC50 - Daphnia magna (water flea) - 83 mg/L - 48 h**Ingredient 3 of Trade Secret Component 1**

Toxicity to Fish: LC50 - Lepomis macrochirus (bluegill) - 1294.6 mg/L - 96 h
 NOEC - Pimephales promelas (fathead minnow) - 4000 mg/L - 7 d

Toxicity to Daphnia and**Other Aquatic**

Invertebrates: NOEC - Daphnia - 1500 mg/L - 7 d
 LC50 - Daphnia magna (water flea) - 1661 mg/L - 48 h

Further Information on Ecology

No data available

Section 13. Disposal Considerations

Any unused material should be managed in an appropriate and approved waste disposal facility. Processing, use, or contamination of this product may change the waste management options. Dispose of container and unused contents in accordance with federal, state, and local regulations.

Section 14. Transport Information

The identities of ingredients 1, 2, 3, and 4 of trade secret component 1 are withheld as a trade secret (OSHA 29 CFR 1910.1200 [i] [1]).

	Ingredient 1	Ingredient 2	Ingredient 3	Ingredient 4	Distilled Water
U.S. DOT	Not dangerous goods	Not dangerous goods	Not dangerous goods	Non-hazardous for transport	Not regulated as a hazardous material
IMDG	Not dangerous goods	Not dangerous goods	Not dangerous goods	Not reported	Not reported
IATA	Not dangerous goods	Not dangerous goods	Not dangerous goods	Non-hazardous for air transport	Not reported
Canada TDG	Not reported	Not reported	Not reported	Not reported	No information available

Section 15. Regulatory Information

The identities of ingredients 1, 2, 3, and 4 of trade secret component 1 are withheld as a trade secret (OSHA 29 CFR 1910.1200 [i] [1]).

Regulation	Ingredient 1	Ingredient 2	Ingredient 3	Ingredient 4	Distilled Water
OSHA Hazards	None	Delayed target organ effects	Mild skin and eye irritant	Not reported	None
TSCA Status	On inventory	On inventory	On inventory	Not reported	On inventory
DSL Status	No	No	No	On list	On list
NDSL Status	No	No	No	No	Not reported
SARA 302 Components	None	None	None	None	None have a TPQ
SARA 313 Components	No components exceed threshold (De Minimis) reporting levels	No components exceed threshold (De Minimis) reporting levels	No components exceed threshold (De Minimis) reporting levels	No	No chemicals are reportable under Section 313
SARA 311/312 Hazards	No	Chronic health hazard	Acute health hazard	No	Not reported
MA Right To Know Comp.	No components listed	No components listed	No components listed	Not reported	Not listed
PA Right to Know Comp.	Listed	Listed	Listed	Not reported	Not listed
NJ Right to Know Comp.	Listed	Listed	Listed	Not reported	Not listed
CA Prop. 65 Comp.	No components listed	No components listed	No components listed	Not reported	No components listed
WHMIS Classification	Classified in accordance with hazard criteria of the CPR; MSDS contains all information required by the CPR	Classified in accordance with hazard criteria of the CPR; MSDS contains all information required by the CPR	Classified in accordance with hazard criteria of the CPR; MSDS contains all information required by the CPR	Classified in accordance with hazard criteria of the CPR; MSDS contains all information required by the CPR	Classification not available. Classified in accordance with hazard criteria of the CPR; MSDS contains all information required by the CPR

Further Regulatory Information on Distilled Water

Health & Safety Reporting List:	None of the chemicals are on the Health & Safety Reporting List.
Chemical Test Rules:	None of the chemicals in this product are under a Chemical Test Rule.
Section 12b:	Not listed under TSCA Section 12b.
TSCA Significant New Use Rule:	None of the chemicals in this material have a SNUR under TSCA.
CERCLA Hazardous Substances and Corresponding RQs:	None of the chemicals in this material have an RQ.
Clean Air Act:	This material does not contain any hazardous air pollutants, Class 1 Ozone depleters, or Class 2 Ozone depleters.
Clean Water Act:	None of the chemicals in this product are listed as Hazardous Substances, Priority Pollutants, or Toxic Pollutants under the CWA.

European/International Regulations

European Labeling in Accordance with EC Directives

Hazard Symbols:	Not available
Risk Phrases:	Not reported
Safety Phrases:	Not reported
WGK (Water Danger/Protection):	CAS# 7732-18-5: No information available
Canadian Ingredient Disclosure List	

EU Additional Classification

S:	22-24/25
Safety Statements:	Do not breathe dust. Avoid contact with skin and eyes.

U.S. Classification and Label Text

U.S. Statements:	Caution: Avoid contact and inhalation. Target organ(s): Heart
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Section 16. Other Information

Disclaimer

For approved uses only. Not for drug, household, or other uses.

The above information is believed to be correct, but does not purport to be all-inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. SKC Inc. shall not be held liable for any damage resulting from handling or from contact with the above product.