

SAFETY DATA SHEET

SDS PREP DATE: 8/27/2015

SDS REVISION DATE: 5/15/2015

1725 4th Ave. Chula
Vista, CA 91911
(866) 932-6168

Product ID: Q-172

24-Hour Emergency Telephone: (800) 255-3924

This Safety Data Sheet contains environmental, health and toxicology information for your employees. Please make sure this information is given to them. It also contains information to help you meet community Right To Know emergency response reporting requirements under SARA TITLE III and many other laws. If you resell this product, this SDS must be given to the buyer or the information incorporated in your SDS.

Section 1: Company and Product Identification

Qual Chem Corp 1725
4th Ave. Chula Vista,
CA 91911
(8660 932-6168

24-Hour Emergency Telephone: (800) 255-3924

Product ID: Q-172

Product Name: Kool-It Liquid, 5 gallon pail

Intended Use: GRINDING FLUID

Section 2: Hazard(s) Identification

Product Signal Word:

Physical Hazard Classification: Non Hazardous

NON HAZARDOUS

Physical Hazard Precautionary Statements:

Causes skin and eye irritation.

IF ON SKIN: Gently wash with plenty of soap and water.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to

Health Hazard Classification(s):

Acute Toxicity - Oral - Level 5	Warning
Acute Toxicity - Dermal - Level 5	Warning
Acute Toxicity - Inhalation - Level 5	Warning
Skin Corrosion/Irritation -Level 3	Warning
Eye Damage/Irritation -Level 2A	Warning
Specific Target Organ Toxicity (Single Exposure) -	Warning
Specific Target Organ Toxicity (Repeated Exposure)-	Warning



Health Hazard Statements:

May be harmful if swallowed.

May be harmful in contact with skin.

Causes mild skin irritation.

Causes serious eye irritation.

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May be harmful if inhaled.

May cause respiratory irritation.

May cause damage to organs through prolonged or repeated exposure.

Section 3: Product Composition

	CAS#	% Range		PEL	TLV
INERT MATERIAL	7732-18-5	50%	80%	NOT ESTABLISHED	NOT ESTABLISHED
SODIUM NITRITE	7632-00-0	10%	20%	NOT ESTABLISHED	NOT ESTABLISHED
PHOSPHORIC ACID *	7664-38-2	1%	5%	1 MG/M3	1 MG/M3
TRIETHANOLAMINE	102-71-6	3%	6%		

Specific chemical identity and exact percentages are withheld as Trade Secret.

Section 4: First-Aid Measures

IF INHALED: Call a POISON CENTER or doctor/physician if you feel unwell.

IF INHALED: Remove person to fresh air and keep comfortable for breathing.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Call a POISON CENTER/doctor/physician if you feel unwell.

Get medical advice/attention if you feel unwell.

If skin irritation occurs: Get medical advice/attention.

If eye irritation persists: Get medical advice/attention.

THRESHOLD LIMIT VALUE: See Section III

EFFECTS OF OVER EXPOSURE: Irritation to skin and eyes.

EMERGENCY FIRST AID PROCEDURES:

SKIN: Wash with soap and water.

EYE: Flush with water for at least 15 minutes.

INHALATION: Remove to fresh air. See a physician if irritation persist.

ORAL: Call a physician. Do not induce vomiting.

ADDITIONAL: Contact with eyes will be painful and irritating. Prolonged or repeated contact with skin may cause irritation. Mist caused by manufacturing operations may irritate the nasal passages.

Section 5: Fire-Fighting Measures

FIRE & EXPLOSIONS HAZARDS: Keep containers cool. Use equipment or shielding required to protect personnel against bursting, rupturing, venting containers.

FIRE FIGHTING EQUIPMENT: At elevated temperatures (above 120 F) containers may vent, rupture, or burst.

EXTINGUISHING MEDIA: Foam Dry Chemical, Carbon Dioxide.

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Section 6: Accidental Release Measures

SPILL PROCEDURES: Pick up free material for recycle/disposal.

WASTE DISPOSAL: Disposal should be in compliance with Federal, State and local laws.

Section 7: Handling and Storage

Store in a well-ventilated place. Keep container tightly closed.

Store locked up.

VENTILATION PROCEDURE: Use adequate ventilation

GLOVES PROTECTION: Neoprene or nitrile rubber gloves recommended.

RESPIRATORY PROTECTION: When applicable, wear a NIOSH approved respirator appropriate for the vapor or mist concentration at the point of use.

EYE PROTECTION: Safety glasses.

OTHER PROTECTION: None

Section 8: Exposure Control / Personal Protection

Do not breathe dust/fume/gas/mist/vapours/spray.

Avoid breathing dust/fume/gas/mist/vapours/spray.

Wash hands and exposed areas thoroughly after handling.

Use only outdoors or in a well-ventilated area.

Wear protective gloves/protective clothing/eye protection/face protection.

VENTILATION PROCEDURE: Use adequate ventilation

GLOVES PROTECTION: Neoprene or nitrile rubber gloves recommended.

RESPIRATORY PROTECTION: When applicable, wear a NIOSH approved respirator appropriate for the vapor or mist concentration at the point of use.

EYE PROTECTION: Safety glasses.

OTHER PROTECTION: None

Section 9: Product Properties

Flash Point (CCP): NON FLAMMABLE

Boiling Point for Product: 210°F

Vapor Pressure for Product: 1.03

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Vapor Density for Product: 1.0

Specific Gravity: 1.05

V.O.C.: 69

Water Solubility: COMPLETE

Appearance: YELLOW LIQUID

PH: 7.0 - 8.0

Section 10: Stability and Reactivity

INCOMPATIBILITY: Strong Oxidizing agents.

HAZARDOUS DECOMPOSITION PRODUCTS: Sulfur dioxide, Hydrogen Sulfide, Nitrous Oxides and Ammoniacal Vapors.

POLYMERIZATION: Will not occur.

Section 11: Toxicological Information

SODIUM NITRITE 7632-00-0

Acute oral toxicity: LD50 Mouse: 175 mg/kg

Acute onhalation toxicity: LC50 Rat: 5.5 4 hours

Chronic Effects on Humans:

MUTAGENIC EFFECTS: Mutagenic for mammalian somatic cells. Mutagenic for bacteria and/or yeast. **TERATOGENIC EFFECTS:** Classified POSSIBLE for human. **DEVELOPMENTAL TOXICITY:** Classified Reproductive system/toxin/female, Reproductive system/toxin/male [POSSIBLE]. May cause damage to the following organs: blood, cardiovascular system, Smooth Muscle.

Other Toxic Effects on Humans:

Very hazardous in case of ingestion, of inhalation. Hazardous in case of skin contact (irritant). Slightly hazardous in case of skin contact (permeator).

Special Remarks on Chronic Effects on Humans:

May cause cancer (tumorigen), affect genetic material (mutagen), cause adverse reproductive effects (fertility, fetotoxicity) and birth defects based on animal data. Passes through the placental barrier in animal. Acute Potential Health Effects: Skin: Causes skin irritation. May be absorbed through skin.

Eyes: Causes eye irritation. May cause conjunctivitis. May cause permanent corneal opacification. Ingestion: Harmful if swallowed. Causes gastrointestinal tract irritation with nausea. May affect behavior, brain, nervous system (change in motor activity, muscular incoordination, loss of reflexes, convulsions, coma), blood (methemoglobinemia), liver, metabolism, cardiovascular system (decrease in blood pressure, rapid pulse) and urinary system. May also cause weakness. Inhalation: May be fatal if inhaled. May cause

respiratory tract irritation, cyanosis, dyspena, pulmonary edema, asphyxia, chemical pneumonitis, upper airway obstruction caused by edema and possible death. May cause biochemical changes. May affect the blood (methemoglobinemia), and the cardiovascular system (tachycardia).

PHOSPHORIC ACID * 7664-38-2

Routes of Entry: Absorbed through skin. Dermal contact. Eye contact. Inhalation. Ingestion.

Toxicity to Animals: Acute oral toxicity (LD50): 1530 mg/kg [Rat]. Acute dermal toxicity (LD50): 2740 mg/kg [Rabbit].

Chronic Effects on Humans: May cause damage to the following organs: blood, liver, skin, eyes, bone marrow.

Other Toxic Effects on Humans: Extremely hazardous in case of inhalation (lung corrosive). Very hazardous in case of skin contact (irritant), of ingestion. Hazardous in case of skin contact (corrosive, permeator), of eye contact (corrosive).

TRIETHANOLAMINE 102-71-6

Chronic Effects on Humans:

CARCINOGENIC EFFECTS: 3 (Not classifiable for human.) by IARC. **MUTAGENIC EFFECTS:** Mutagenic for mammalian somatic cells. May cause damage to the following organs: kidneys, liver, skin.

Special Remarks on Chronic Effects on Humans:

May cause cancer (tumorigenic) based on animal data. May affect genetic material (mutagen): cytogenic analysis (human lymphocyte) = 100 umol/L; sister chromatid exchange (human lymphocyte) = 1mmol/L.

Special Remarks on other Toxic Effects on Humans:

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Acute Potential Health Effects: Skin: May cause skin irritation with burning pain, itching, and redness. May be absorbed through the skin and affect the liver, metabolism, and urinary tract. Eyes: Causes eye irritation with tearing and burning pain. May cause transient corneal injury. Ingestion: Causes gastrointestinal (digestive) tract irritation with nausea, vomiting, and diarrhea. May also affect behavior, sense organs, liver and urinary system. Inhalation: Inhalation of mist may cause respiratory tract irritation. May also affect the liver, blood, urinary system and cardiovascular system. Chronic Potential Health Effects: May cause liver and kidney damage. Prolonged or repeated contact may cause skin necrosis and /or ulceration of the skin.

Section 12: Ecological Information

PHOSPHORIC ACID * 7664-38-2

Ecotoxicity (aquatic and terrestrial): DL50 12 hours@ pH of 3 – 3.5
DL50 (12 hours): pH 4.6 (Daphnia Magna)

If applicable, IARL, NPT and OSHA carcinogens and chemicals subject to the reporting requirements of SARA Title III, Section 313 are identified in Section III with an "*". Additional ecological information is Not Determined.

Section 13: Disposal Information

Dispose of contents/container in accordance with local regulations.

WASTE DISPOSAL METHOD: Consult local authorities for proper waste disposal procedures. Empty de-pressurized containers can not be reused. Cans which are pressurized or contain liquid must be disposed of in a permitted waste management facility. Consult Federal, State, and local disposal authorities for approved procedures.

Section 14: Transportation Information

DOT Proper Shipping Name: (Not Regulated)

Section 15: Regulatory Information

	CAS#	PEL	TLV
INERT MATERIAL	7732-18-5	NOT ESTABLISHED	NOT ESTABLISHED
SODIUM NITRITE	7632-00-0	NOT ESTABLISHED	NOT ESTABLISHED
PHOSPHORIC ACID *	7664-38-2	1 MG/M3	1 MG/M3
TRIETHANOLAMINE	102-71-6		

Section 16: Other Information

If applicable, IARL, NPT and OSHA carcinogens and chemicals subject to the reporting requirements of SARA Title III, Section 313 are identified above with an "*"

Consumer Product Safety Act Certification.

This product was evaluated by the Company listed above and is certified to be in compliance with the provisions of the Consumer Product Safety Act, the Federal Hazardous Substances Act, and the Poison Prevention Packaging Act, as applicable. This product was manufactured at the location identified on the

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SDS. The date of manufacture is stamped on the product container. No testing is required to certify compliance with the above mentioned regulation.

The above information is based on the data of which we are aware and is believed to be correct as of the date hereof. Since the information contained herein may be applied under conditions beyond our control and with which we may be unfamiliar and since data made available subsequent to the date hereof may suggest modification of the information, we do not assume any responsibility for the results of its use. This information is furnished upon condition that the person receiving it shall make his own determination of the suitability of the material for his particular purpose.