

Excel

MSDS Number: Excel-S500H

Revision Date: 5/28/2015

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1 PRODUCT AND COMPANY IDENTIFICATION

Manufacturer

Wechem, Inc
5734 Susitna Dr
Harahan, LA 70123

Contact: Ligia M. Hernandez
Phone: 504-733-1152
Fax: 504-733-2218
Web: www.wechem.com

Product Name: Excel
Revision Date: 5/28/2015
MSDS Number: Excel-S500H
Product Code: S500
Product Use: Solvent Degreaser & Electrical Equipment Cleaner

Emergency Telephone Number:
INFOTRAC
1-800-535-5053

2 HAZARDS IDENTIFICATION

- Route of Entry:** Ingestion, eye, skin absorption, inhalation
- Inhalation:** Can cause irritation to upper respiratory tract, headache, drowsiness, narcosis, anesthesia, unconsciousness and possible death.
- Skin Contact:** Prolonged contact may cause irritation.
- Eye Contact:** May cause eye Irritation.
- Ingestion:** Small amounts not likely to cause injury. Large amounts harmful or fatal.

PERSONAL PROTECTION INDEX									
A									
B									
C									
D									
E									
F									
G									
H									
I									
J									
K									
X	Consult your supervisor or S.O.P. for "SPECIAL" handling directions								
A	n	o	p	q	r	s	t	u	w
Safety Glasses	Splash Goggles	Face Shield & Eye Protection	Gloves	Boots	Synthetic Apron	Full Suit	Dust Respirator	Vapor Respirator	Dust & Vapor Respirator
y	z	Additional Information							
Full Face Respirator	Airline Hood (or Mask)								

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GHS Signal Word:
DANGER

GHS Hazard Pictograms:



GHS Classifications:

- Health, Skin corrosion/irritation, 2
- Health, Respiratory or skin sensitization, 1 Skin
- Health, Serious Eye Damage/Eye Irritation, 2 A
- Health, Specific target organ toxicity - Single exposure, 3
- Health, Germ cell mutagenicity, 2
- Health, Carcinogenicity, 1
- Environmental, Hazards to the aquatic environment - Chronic, 3

GHS Phrases:

- H315 - Causes skin irritation
- H317 - May cause an allergic skin reaction
- H319 - Causes serious eye irritation
- H336 - May cause drowsiness or dizziness
- H341 - Suspected of causing genetic defects
- H350 - May cause cancer
- H412 - Harmful to aquatic life with long lasting effects

GHS Precautionary Statements:

- P201 - Obtain special instructions before use.
- P202 - Do not handle until all safety precautions have been read and understood.
- P280 - Wear protective gloves/protective clothing/eye protection/face protection.
- P261 - Avoid breathing dust/fume/gas/mist/vapors/spray.
- P271 - Use only outdoors or in a well-ventilated area.
- P273 - Avoid release to the environment.
- P272 - Contaminated work clothing should not be allowed out of the workplace.
- P302+350 - IF ON SKIN: Gently wash with plenty of soap and water.
- P304+340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
- P305+351+338 - IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do.

Continue rinsing.

- P301+310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
- P301+330+331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

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COMPOSITION/INFORMATION ON INGREDIENTS
Ingredients:

Cas #	Chemical Name	Perc.	OSHA PEL (ppm)	ACGIH TLV(ppm)	Carcin. Ref.
79-01-6	Trichloroethylene	90-100	50	50	B,C

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FIRST AID MEASURES

Inhalation:	Move the exposed person to fresh air at once. Perform artificial respiration if breathing has stopped. If breathing is difficult, properly trained personnel may assist affected person by administering oxygen. Get medical attention if any discomfort continues.
Skin Contact:	Remove contaminated clothes and rinse skin thoroughly with water. Get medical attention if any discomfort continues.
Eye Contact:	Promptly wash eyes with plenty of water while lifting eye lids. Make sure to remove any contact lenses from the eyes before rinsing. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.
Ingestion:	DO NOT INDUCE VOMITING. Drink plenty of water. Do not give victim anything to drink if he is unconscious. Get medical attention immediately.

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FIRE FIGHTING MEASURES

Flammability:	Not Flammable or Combustible
Flash Point:	None
Autoignition Temp:	770 F (410 C)
LEL:	8% (V)
UEL:	44.8% (V)

Extinguishing media: Foam, dry powder, carbon dioxide, water fog. Do not use water jet as an extinguisher, as this will spread fire.

Special Fire fighting procedures: Wear a self-contained breathing apparatus MSHA / NIOSH (approved or equivalent), and full protective gear.

Hazardous combustion products: Hydrogen chloride, Chlorine, Phosgene, Carbon monoxide, Carbon dioxide.

Unusual Fire & Explosion Hazard: Vapors can travel to a source of ignition and back. Containers may explode in the heat of a fire.

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ACCIDENTAL RELEASE MEASURES

Wear personal protection equipment. Evacuate surrounding areas.

Remove all sources of ignition. Provide ventilation.

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

Absorb spill with inert material, (e.g., vermiculite, dry sand or earth), then place into a chemical waste container.

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HANDLING AND STORAGE

Handling Precautions: Do not use in confined spaces without adequate ventilation and/or respirator. Do not eat, drink or smoke when using product. Do not ingest. Eliminate all sources of ignition. Handle product only in closed system or provide adequate exhaust ventilation at machinery. Avoid inhalation of vapors/spray and contact with skin and eyes. Container must be kept tightly closed. Provide good ventilation.

Storage Requirements: Keep away from heat, sparks, open flame, direct sunlight. Store in a tightly closed original container in a dry, cool and well-ventilated place. Do NOT use storage tank made of : Aluminum, aluminum alloy, or zinc. May attack some plastics, rubber and coatings.

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EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls: Ventilation Requirement: General and/ or local to control airborne levels below exposure limits. An emergency eye wash/shower must be readily accessible to the work area.

Personal Protective Equip: HMIS PP, B | Goggles, Gloves
 Respiratory Protection: NOISH approved respirator, when necessary.
 Protective gloves: Rubber/ chemical proof
 Eye protection: Safety glasses/ goggles

Hygienic work practices: Wash with soap and water before handling food.

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PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Clear, Colorless

Physical State: Liquid

Spec Grav./Density: (H2O=1): 1.47 @ 20 Deg. C.

Viscosity: 0.58 mPas @ 20 C

Boiling Point: 189 Deg F

Vapor Pressure: 9.9 kPa @ 25 C

pH: Not available

Evap. Rate: Not available

Odor: Irritating odor at high concentrations.

Solubility: 0.1 gram/100grams @ 25 Deg. C

Freezing/Melting Pt.: -121 F (-84.4 C)

Flash Point: None

Octanol: log Pow: 2.53

Vapor Density: (Air=1): 4.53

Bulk Density: NA

Auto-Ignition Temp: 770 F (410 C)

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STABILITY AND REACTIVITY

Stability:	Stable at room temperature and under normal conditions.
Conditions to Avoid:	Incompatible materials, ignition sources, and high temperatures / direct sunlight.
Materials to Avoid:	Strong alkalis. Reaction with strong alkali metal hydroxides will form dichloacetylene which can spontaneously ignite in air. Strong oxidizing substances, amines. Avoid contact with metals such as: zinc powders, aluminum powders, magnesium powders, potassium, sodium. Avoid prolonged contact or storage with aluminum or its alloys.
Hazardous Decomposition:	Toxic gases of hydrogen chloride, chlorine, phosgene, carbon monoxide, carbon dioxide.
Hazardous Polymerization:	Will not occur

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TOXICOLOGICAL INFORMATION

Inhalation: Vapors may cause drowsiness and dizziness.
In case of overexposure, organic solvents may depress the central nervous system causing dizziness an intoxication, and at very high concentrations unconsciousness and death.

Skin Contact: Skin irritation. May cause an allergic skin reaction. Prolonged contact may cause redness, irritation and dry skin.

Eye Contact: May cause temporary eye irritation.

Ingestion: No specific symptoms noted.

Acute Toxicity:

Inhalation: LC50 12,500 ppm, 4 hrs. (Rat)

Oral LD50 5,400 mg/kg (Rat)

Dermal LD50 >2,000 mg/kg (Rabbit)

Additional information: RTECS: KX4550000

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ECOLOGICAL INFORMATION**Eco toxicity:**

Fish: LC50 16 mg/L , 96 hrs. Limanda

Aquatic invertebrates: EC50 20.8 mg/l, 48 hrs. Daphnia magna

Aquatic plants: EC50 36.5 mg/l, 72 hrs. Chlamydomonas reinhardtii

Microorganisms: EC50 260 mg/l, 3 hrs. Activated sludge

This product is not readily biodegradable: 2.4 Degradation (%): 14 days

The bioconcentration potential is low: BCF <100

Potential for mobility in soil is very high: Soil Koc>41

Releases into the environment are regulated by federal and state environmental laws. Use only in accordance with label directions.

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DISPOSAL CONSIDERATIONS

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste.

Dispose of according to Federal, State, and Local Regulations.

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TRANSPORT INFORMATION

Proper Shipping Name:

For 1 Gal: Consumer Commodity, ORM-D

For 5, 35, 55 Gal: UN 1710, Trichloroethylene, 6.1, PG III

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REGULATORY INFORMATION

COMPONENT / (CAS/PERC) / CODES

*Trichloroethylene (79016 90-100%) CERCLA, CSWHS, EPCRAWPC, HAP, HWRCRA, MASS, NJHS, OSHAWAC, PA, PRIPOL, PROP65, SARA313, TOXICPOL, TOXICRCRA, TSCA, TXAIR, TXHWL

REGULATORY KEY DESCRIPTIONS

CERCLA = Superfund clean up substance
CSWHS = Clean water Act Hazardous substances
EPCRAWPC = EPCRA water Priority Chemicals
HAP = Hazardous Air Pollutants
HWRCRA = RCRA Hazardous wastes
MASS = MA Massachusetts Hazardous Substances List
NJHS = NJ Right-to-Know Hazardous Substances
OSHAWAC = OSHA workplace Air Contaminants
PA = PA Right-To-Know List of Hazardous Substances
PRIPOL = Clean water Act Priority Pollutants
PROP65 = CA Prop 65
SARA313 = SARA 313 Title III Toxic Chemicals
TOXICPOL = Clean water Act Toxic Pollutants
TOXICRCRA = RCRA Toxic Hazardous wastes (U-List)
TXAIR = TX Air Contaminants with Health Effects Screening Level
TXHWL = TX Hazardous waste List
TSCA = Toxic Substances Control Act

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OTHER INFORMATION

We believe the statements technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind. ** Chemical listed as Carcinogen or Potential Carcinogen. [a] NTP [b] IARC Monograph [c] OSHA [d] Not listed [e] Animal data only
N/A = Not available N/D = Not determined