

1. Product and Company Identification

Product Code: C3352
Product Name: Industrial Grade Rust Converter
Company Name: CYCLO INDUSTRIES, INC.
902 SOUTH US HIGHWAY 1
JUPITER, FL 33477
Phone Number: (800)843-7813

Web site address: www.cyclo.com

Emergency Contact: First Aid Emergency (800)752-7869
CHEMTREC (703) 527-3887 (800)424-9300

Information: First Aid Emergency (Outside U.S.) (312)906-6194

2. Hazards Identification

Flammable Liquids, Category 2
Serious Eye Damage/Eye Irritation, Category 2A
Target Organ Systemic Toxicity (single exposure),
Category 3
Flammable Liquids, Category 3
Acute Toxicity: Oral, Category 4
Acute Toxicity: Skin, Category 4
Acute Toxicity: Inhalation, Category 4
Skin Corrosion/Irritation, Category 2
Flammable Gases, Category 1
Gas Under Pressure, Compressed gas



Danger



Warning

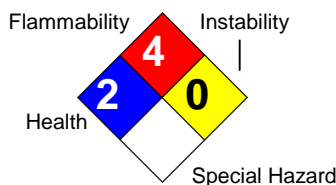
GHS Hazard Phrases: H225: Highly flammable liquid and vapor
H319: Causes serious eye irritation.
H302: Harmful if swallowed.
H312: Harmful in contact with skin.
H332: Harmful if inhaled.
H220: Extremely flammable gas.
H280: Containers under pressure.

GHS Precaution Phrases: P233: Keep container tightly closed.
P210: Keep away from {heat/sparks/open flames}.
P280: Wear protective gloves/clothing and eye/face protection.
P240: Ground/bond container and receiving equipment.
P241: Use explosion-proof equipment.
P264: Wash hands thoroughly after handling.
P271: Use in a well-ventilated area.

GHS Response Phrases: P370+378: In case of fire, use foam, alcohol foam, CO₂, dry chemical, water fog.
P303+361+353: IF ON SKIN (or hair): Remove immediately all contaminated clothing. Rinse skin with water/shower.
P305+351+338: IF IN EYES: Rinse with water for several minutes.
P304+340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P301+312: IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.

GHS Storage and Disposal Phrases: P403+233: Store container tightly closed in well-ventilated area.

Hazard Rating System:



Potential Health Effects (Acute and Chronic): ACUTE: EYE IRRITANT. SKIN IRRITANT. NARCOTIC IN HIGH CONCENTRATIONS. CHRONIC: LIVER AND KIDNEY DISEASE.

Skin Contact: CONTACT MAY DRY THE SKIN; PROLONGED CONTACT MAY CAUSE IRRITATION.

Eye Contact: LIQUID OR VAPOR CAN IRRITATE; PROLONGED CONTACT MAY LEAD TO CORNEAL DAMAGE.

Ingestion: NOT A LIKELY ROUTE OF EXPOSURE. IF SWALLOWED, INDUCE VOMITING. SEEK IMMEDIATE MEDICAL ADVICE AND/OR ATTENTION.

Medical Conditions Generally Aggravated By Exposure: ACUTE AND CHRONIC LIVER AND KIDNEY DISEASE.

3. Composition/Information on Ingredients

CAS #	Hazardous Components (Chemical Name)	Concentration
67-64-1	Acetone	29.0 %
108-65-6	Propylene glycol methyl ether acetate	25.0 %
67-63-0	Isopropyl alcohol	10.0 %
111-76-2	Ethanol, 2-Butoxy-	10.0 %
74-98-6	Propane	10.0 %
106-97-8	Butane	5.0 %

4. First Aid Measures

Emergency and First Aid Procedures: If swallowed, do not induce vomiting. Seek medical attention. Never give anything by mouth to an unconscious or convulsing victim. Keep person warm and quiet. If inhaled, remove to fresh air. If breathing is difficult, give oxygen. In case of eye contact, immediately flush with large quantities of water for at least 15 minutes, lifting upper and lower eyelids occasionally. In case of skin contact, immediately flush exposed area with water for at least 15 minutes. Remove contaminated clothing and launder before reuse. Call physician immediately if adverse reaction occurs.

5. Fire Fighting Measures

Flammability Classification: NFPA Level 3 Aerosol

Flash Pt: -156.00 F (-104.4 C) Method Used: Estimate

Explosive Limits: LEL: 1.1 UEL: 13.1

Autoignition Pt: No data.

Suitable Extinguishing Media: Foam, alcohol foam, CO₂, dry chemical, water fog.

Fire Fighting Instructions: Use NIOSH/MSHA approved positive pressure self-contained breathing apparatus when any material is involved in a fire. Aerosol cans may rupture when heated. Heated cans may burst. Water spray may be ineffective. Water may be used to cool containers to prevent pressure build up & explosion when exposed to extreme heat. If water is used, fog nozzles preferred.

Flammable Properties and Hazards: Keep containers tightly closed. Isolate from heat, sparks, electrical equipment & open flame. Closed containers may explode when exposed to extreme heat. Vapor accumulation can flash or explode if ignited. Overexposure to decomposition products



SAFETY DATA SHEET

Industrial Grade Rust Converter

may cause a health hazard. Symptoms may not be readily apparent.

6. Accidental Release Measures

Steps To Be Taken In Case Material Is Released Or Spilled: Avoid breathing vapors. Ventilate area. Dike area to contain spill. Clean up area with absorbent material & place in closed containers for disposal.

7. Handling and Storage

Precautions To Be Taken in Handling: Use in cool, dry, well-ventilated areas. Do not puncture, drag or slide container. Ground containers when filling or emptying. Keep out of the reach of children.

Precautions To Be Taken in Storing: Store in cool, dry, well-ventilated areas. Avoid contact with hot metal surfaces. Keep away from excessive heat or open flame. Keep containers tightly closed to prevent evaporation.

8. Exposure Controls/Personal Protection

CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
67-64-1	Acetone	PEL: 1000 ppm	TLV: 500 ppm STEL: 750 ppm	No data.
108-65-6	Propylene glycol methyl ether acetate	No data.	No data.	No data.
67-63-0	Isopropyl alcohol	PEL: 400 ppm	TLV: 200 ppm STEL: 400 ppm	No data.
111-76-2	Ethanol, 2-Butoxy-	PEL: 50 ppm	TLV: 20 ppm	No data.
74-98-6	Propane	PEL: 1000 ppm	TLV: (2500 ppm)	No data.
106-97-8	Butane	No data.	TLV: (800 ppm)	No data.

Respiratory Equipment (Specify Type): In restricted areas, use approved chemical/mechanical filters designed to remove a combination of particles & vapor. In confined areas, use approved air line type respirator or hood. Self-contained breathing apparatus is required for vapor concentrations above PEL/TLV limits.

Eye Protection: Safety glasses with splash guards or full face shield.

Protective Gloves: Solvent resistant required for prolonged or repeated contact.

Other Protective Clothing: Solvent resistant apron.

Engineering Controls (Ventilation etc.): Sufficient to prevent inhalation of solvent vapors. General dilution and/or local exhaust ventilation in volume or pattern o keep PEL/TLV of most hazardous ingredient below acceptable limit & LEL below stated limit.

Work/Hygienic/Maintenance Practices: Eye washes & safety showers in the workplace are recommended.



9. Physical and Chemical Properties

Physical States:	[] Gas [X] Liquid [] Solid
Appearance and Odor:	Clear liquid with lacquer odor.
Melting Point:	No data.
Boiling Point:	-44.00 F (-42.2 C) - -336.00 F (-204.4 C)
Autoignition Pt:	No data.
Flash Pt:	-156.00 F (-104.4 C) Method Used: Estimate
Explosive Limits:	LEL: 1.1 UEL: 13.1
Specific Gravity (Water = 1):	.75
Vapor Pressure (vs. Air or mm Hg):	No data.
Vapor Density (vs. Air = 1):	No data.
Evaporation Rate:	No data.
Solubility in Water:	Slight
Percent Volatile:	0.0 % by weight.

10. Stability and Reactivity

Stability:	Unstable [] Stable [X]
Conditions To Avoid - Instability:	Application to hot surfaces.
Incompatibility - Materials To Avoid:	Strong oxidizing agents.
Hazardous Decomposition Or Byproducts:	Decomposition fumes may contain carbon monoxide & oxides of nitrogen.
Polymer:	Will occur [] Will not occur [X]
Conditions To Avoid - Hazardous Reactions:	No data available.

11. Toxicological Information

Toxicological Information:	No data available.
	CAS# 67-64-1:
	Reproductive Effects:, TDLo, Oral, Rat, 273.0 GM/KG, male 13 week(s) pre-mating.
	Results:
	Paternal Effects: Spermatogenesis (including genetic material, sperm morphology, motility, and count).
	- National Technical Information Service, Vol/p/yr: PB91-18597,
	Reproductive Effects:, TCLo, Inhalation, Species: unspecified., 31500. UG/M3, 24 H, female 1-13 day(s) after conception.
	Results:
	Effects on Fertility: Post-implantation mortality (e.g., dead and/or resorbed implants per total number of implants).
	- Gigiena Truda i Professional'nye Zabolevaniya.(Labor Hygiene and Occupational Disease), V/O Mezhdunarodnaya Kniga, Moscow 113095 Russia, Vol/p/yr: 26(6),24, 1982
	Mutagenicity:, Sex chromosome loss and nondisjunction, 47600. PPM, Saccharomyces cerevisiae.
	Results:



SAFETY DATA SHEET

Industrial Grade Rust Converter

Page: 5

Printed: 04/09/2013

Revision: 03/26/2013

Supersedes Revision: 01/30/2012

Kidney, Ureter, Bladder: Changes in liver weight.

Kidney, Ureter, Bladder:Hematuria.

Blood:Other changes.

- Annals of the New York Academy of Sciences., New York Academy of Sciences, 2 E. 63rd St., New York, NY 10021, Vol/p/yr: 407,186, 1983

Mutagenicity:, Mutation test: Cytogenetic analysis., Species: Hamster, 40.00 GM/L, Cell Type: fibroblast.

Results:

Kidney, Ureter, Bladder: Changes in liver weight.

Kidney, Ureter, Bladder:Hematuria.

Blood:Other changes.

- Food and Chemical Toxicology., Pergamon Press Inc., Maxwell House, Fairview Park, Elmsford, NY 10523, Vol/p/yr: 22,623, 1984

Other Studies:, TDLo, Oral, Rat, 273.0 GM/KG, 13 W.

Results:

Kidney, Ureter, Bladder: Changes in liver weight.

Kidney, Ureter, Bladder: Changes in bladder weight.

Blood: Normocytic anemia.

- National Toxicology Program Technical Report Series., Vol/p/yr: NIH-91-312,

Other Studies:, TCLo, Inhalation, Rat, 19000. PPM, 3 W.

Results:

Brain and Coverings: Changes in brain weight.

- Toxicology and Applied Pharmacology, Academic Press, Inc., 1 E. First St., Duluth, MN 55802, Vol/p/yr: 61,302, 1981

Other Studies:, TCLo, Inhalation, Rat, 199.0 MG/M3, 8 D.

Results:

Behavioral: Muscle contraction or spasticity.

- Gigiena i Sanitariya, Mezhdunarodnaya Kniga, ul. B. Yakimanka, 39, 113095, Moscow 113095 Russia, Vol/p/yr: 25(5),3, 1960

Other Studies:, TDLo, Oral, Mouse, 546.0 GM/KG, 13 W.

Results:

Kidney, Ureter, Bladder: Changes in liver weight.

Endocrine: Changes in spleen weight.

- National Toxicology Program Technical Report Series., Vol/p/yr: NIH-91-312,

Other Studies:, TDLo, Oral, Mouse, 2.000 mg/kg.

Results:

Liver: Other changes.

Biochemical:Enzyme inhibition, induction, or change in blood or tissue levels: Hepatic microsomal mixed oxidase (dealkylation, hydroxylation, etc.)

- Life Sciences., Pergamon Press Inc., Maxwell House, Fairview Park, Elmsford, NY 10523, Vol/p/yr: 69,923, 2001

Other Studies:, TDLo, Oral, Rat, 5.000 mg/kg.

Results:

Liver: Other changes.

Biochemical:Enzyme inhibition, induction, or change in blood or tissue levels: Hepatic



SAFETY DATA SHEET

Industrial Grade Rust Converter

Page: 6

Printed: 04/09/2013

Revision: 03/26/2013

Supercedes Revision: 01/30/2012

microsomal mixed oxidase (dealkylation, hydroxylation, etc.)

- Life Sciences., Pergamon Press Inc., Maxwell House, Fairview Park, Elmsford, NY 10523, Vol/p/yr: 69,923, 2001

Other Studies:, TDLo, Oral, Rat, 7.000 gm/kg.

Results:

Biochemical:Enzyme inhibition, induction, or change in blood or tissue levels: Cytochrome oxidases (including oxidative phosphorylation).

- Biochemical Pharmacology., Pergamon Press Inc., Maxwell House., Fairview Park, Elmsford,, NY 10523, Vol/p/yr: 67,875, 2004

Other Studies:, TDLo, Oral, Rat, 15.00 mL/kg.

Results:

Liver: Other changes.

Biochemical:Enzyme inhibition, induction, or change in blood or tissue levels: Cytochrome oxidases (including oxidative phosphorylation).

- Toxicology Letters., Elsevier Science Pub. B.V., POB 211, 1000 AE, Amsterdam 1000 AE Netherlands, Vol/p/yr: 144,55, 2003

Other Studies:, TDLo, Oral, Rat, 8.750 mL/kg.

Results:

Liver: Other changes.

Biochemical:Enzyme inhibition, induction, or change in blood or tissue levels: Multiple enzyme effects.

Biochemical: Metabolism (Intermediary): Lipids including transport.

- Comparative Biochemistry and Physiology., For publisher information, see CBPBB8, Elmsford, NY, Vol/p/yr: 128,503, 2001

Other Studies:, TDLo, Oral, Rat, 145600. mg/kg.

Results:

Kidney, Ureter, Bladder:Other changes.

Blood: Macrocytosis.

Blood:Other hemolysis with or without anemia.

- Toxicologist., Soc. of Toxicology, Inc., 475 Wolf Ledge Parkway, Akron, OH 44311, Vol/p/yr: 60,432, 2001

Other Studies:, TDLo, Skin, Mouse, 31.60 g/kg.

Results:

Biochemical:Metabolism (intermediary): Other.

- Molecular Carcinogenesis., John Wiley & Sons, 605 Third Avenue, New York, NY 10158, Vol/p/yr: 44,122, 2005

Acute toxicity, TDLo, Oral, Human, 2857. MG/KG.

Results:

Behavioral: Coma.

Kidney, Ureter, Bladder:Other changes.

- "Toxicology of Drugs and Chemicals", Deichmann, W.B., Academic Press, Inc., New York, Vol/p/yr: -,64, 1969

Acute toxicity, TDLo, Oral, Human, 2857. MG/KG.

Results:

Behavioral: Coma.



SAFETY DATA SHEET

Industrial Grade Rust Converter

Page: 7

Printed: 04/09/2013

Revision: 03/26/2013

Supersedes Revision: 01/30/2012

Biochemical:Metabolism (intermediary): Other.

- Diabetes., American Diabetes Assoc., 2 Park Ave., New York, NY 10016, Vol/p/yr: 15,810, 1966

Acute toxicity, TCLo, Inhalation, Human, 440.0 UG/M3, 6 M.

Results:

Brain and Coverings: Recordings from specific areas of CNS.

- Gigiena i Sanitariya, Mezhdunarodnaya Kniga, ul. B. Yakimanka, 39, 113095, Moscow 113095 Russia, Vol/p/yr: 42(8),42, 1977

Acute toxicity, TCLo, Inhalation, Human, 10.00 MG/M3, 6 H.

Results:

Biochemical: Metabolism (Intermediary): Other carbohydrates.

- Gigiena i Sanitariya, Mezhdunarodnaya Kniga, ul. B. Yakimanka, 39, 113095, Moscow 113095 Russia, Vol/p/yr: 42(8),42, 1977

Acute toxicity, TCLo, Inhalation, Human, 500.0 PPM.

Results:

Sense Organs and Special Senses (Nose, Eye, Ear, and Taste):Olfaction:Other changes.

Sense Organs and Special Senses (Nose, Eye, Ear, and Taste):Eye:Conjunctive irritation.

Lungs, Thorax, or Respiration:Other changes.

- Journal of Industrial Hygiene and Toxicology, Vol/p/yr: 25,282, 1943

Acute toxicity, TCLo, Inhalation, Human, 12000. PPM, 4 H.

Results:

Gastrointestinal:Nausea or vomiting.

Behavioral: Muscle weakness.

- Annals of Occupational Hygiene., Pergamon Press Inc., Maxwell House, Fairview Park, Elmsford, NY 10523, Vol/p/yr: 16,73, 1973

Acute toxicity, LDLO, Route of Application: Unreported., Human, 1159. MG/KG.

Results:

Behavioral: Somnolence (general depressed activity).

Behavioral: Excitement.

Lungs, Thorax, or Respiration:Other changes.

- Poisoning; Toxicology, Symptoms, Treatments, 2nd ed., Arena, J.M., C.C. Thomas, Springfield, IL, Vol/p/yr: 2,73, 1970

Acute toxicity, LD50, Oral, Rat, 5800. MG/KG.

Results:

Behavioral: Altered sleep time (including change in righting reflex).

Behavioral: Tremor.

- Journal of Toxicology and Environmental Health., Hemisphere Pub., 1025 Vermont Ave., NW, Washington, DC 20005, Vol/p/yr: 15,609, 1985

Acute toxicity, LC50, Inhalation, Rat, 50100. MG/M3, 8 H.

Results:

Behavioral: Analgesia.

Lungs, Thorax, or Respiration:Dyspnea.

Kidney, Ureter, Bladder:Hematuria.

- American Industrial Hygiene Association Journal., AIHA, 475 Wolf Ledges Pkwy.,



SAFETY DATA SHEET

Industrial Grade Rust Converter

Page: 8

Printed: 04/09/2013

Revision: 03/26/2013

Supersedes Revision: 01/30/2012

Akron, OH 44311, Vol/p/yr: 20,364, 1959

Acute toxicity, LDLO, Intraperitoneal, Rat, 500.0 MG/KG.

Results:

Behavioral: General anesthetic.

Behavioral: Muscle weakness.

Kidney, Ureter, Bladder: Renal function tests depressed.

- Journal of Pharmacy and Pharmacology., Pharmaceutical Soc. of Great Britain, 1 Lambeth High St., London SE1 7JN United Kingdom, Vol/p/yr: 11,150, 1959

Acute toxicity, LD50, Intravenous, Rat, 5500. MG/KG.

Results:

Vascular: BP lowering not characterized in autonomic section.

Vascular: Regional or general arteriolar or venous dilation.

- Raw Material Data Handbook, Vol.1: Organic Solvents, 1974., National Assoc. of Printing Ink Research Institute, Francis McDonald Sinclair Memorial Labor, Lehigh Univ., Bethlehem, PA 18015, Vol/p/yr: 1,1, 1974

Acute toxicity, LD50, Oral, Mouse, 3.000 GM/KG.

Results:

Liver: Other changes.

Kidney, Ureter, Bladder: Changes in liver weight.

Biochemical: Enzyme inhibition, induction, or change in blood or tissue levels: Hepatic microsomal mixed oxidase (dealkylation, hydroxylation, etc.)

- Pharmaceutical Chemistry Journal, Plenum Pub. Corp., 233 Spring St., New York, NY 10013, Vol/p/yr: 14,162, 1980

Acute toxicity, LC50, Inhalation, Mouse, 44.00 GM/M3, 4 H.

Results:

Behavioral: Somnolence (general depressed activity).

Behavioral: Excitement.

Lungs, Thorax, or Respiration: Other changes.

- Current Toxicology, Nova Science Publishers, Inc., 6080 Jericho Turnpike, Suite 207, Commack, NY 11725, Vol/p/yr: 1,47, 1993

Acute toxicity, LD50, Intraperitoneal, Mouse, 1297. MG/KG.

Results:

Blood: Hemorrhage.

Related to Chronic Data - death.

- Shell Chemical Company. Unpublished Report., Vol/p/yr: -,1, 1961

Acute toxicity, LDLO, Intravenous, Mouse, 4.000 GM/KG.

Results:

Peripheral Nerve and Sensation: Flaccid paralysis without anesthesia (usually neuromuscular blockage).

Behavioral: Convulsions or effect on seizure threshold.

Gastrointestinal: Nausea or vomiting.

- FAO Nutrition Meetings Report Series., Vol/p/yr: 48A,86, 1970

Acute toxicity, LDLO, Oral, Dog, 8.000 GM/KG.

Results:

Behavioral: Ataxia.



SAFETY DATA SHEET

Industrial Grade Rust Converter

Page: 9

Printed: 04/09/2013

Revision: 03/26/2013

Supersedes Revision: 01/30/2012

Behavioral: Coma.

Musculoskeletal: Joints.

- Archiv fuer Experimentelle Pathologie und Pharmakologie., For publisher information, see NSAPCC, Leipzig Ger. Dem. Rep., Vol/p/yr: 18,218, 1884

Acute toxicity, LDLO, Intraperitoneal, Dog, 8.000 GM/KG.

Results:

Behavioral: Coma.

Gastrointestinal: Alteration in gastric secretion.

- Archiv fuer Experimentelle Pathologie und Pharmakologie., For publisher information, see NSAPCC, Leipzig Ger. Dem. Rep., Vol/p/yr: 18,218, 1884

Acute toxicity, LDLO, Subcutaneous, Dog, 5.000 GM/KG.

Results:

Behavioral: General anesthetic.

Gastrointestinal: Other changes.

Kidney, Ureter, Bladder: Other changes.

- Archiv fuer Experimentelle Pathologie und Pharmakologie., For publisher information, see NSAPCC, Leipzig Ger. Dem. Rep., Vol/p/yr: 18,218, 1884

Acute toxicity, LD50, Oral, Species: Rabbit, 5340. MG/KG.

Results:

Endocrine: Other changes.

- FAO Nutrition Meetings Report Series., Vol/p/yr: 48A,86, 1970

Acute toxicity, LDLO, Skin, Species: Rabbit, 20.00 ML/KG.

Results:

Behavioral: Somnolence (general depressed activity).

Blood: Changes in serum composition (e.g.

Biochemical: Enzyme inhibition, induction, or change in blood or tissue levels: True cholinesterase.

- Union Carbide Data Sheet, Union Carbide Corp., 39 Old Ridgebury Rd., Danbury, CT 06817, Vol/p/yr: 5/7, 1970

Acute toxicity, LDLO, Intravenous, Species: Rabbit, 1576. MG/KG.

Results:

Behavioral: Muscle contraction or spasticity.

Lungs, Thorax, or Respiration: Respiratory depression.

- Journal of Pharmacology and Experimental Therapeutics, Williams & Wilkins Co., 428 E. Preston St., Baltimore, MD 21202, Vol/p/yr: 33,175, 1928

Acute toxicity, LD50, Skin, Species: Guinea pig, 9400. UL/KG.

Results:

Behavioral: Fluid intake.

Nutritional and Gross Metabolic: Weight loss or decreased weight gain.

- Toxicology and Applied Pharmacology, Academic Press, Inc., 1 E. First St., Duluth, MN 55802, Vol/p/yr: 7,559, 1965

Acute toxicity, LDLO, Subcutaneous, Species: Guinea pig, 5.000 GM/KG.

Results:

Blood: Changes in erythrocyte (RBC) count.

- Archiv fuer Gewerbepathologie und Gewerbehygiene., For publisher information, see



SAFETY DATA SHEET

Industrial Grade Rust Converter

Page: 10
Printed: 04/09/2013
Revision: 03/26/2013
Supercedes Revision: 01/30/2012

IAEHDW, Berlin Germany, Vol/p/yr: 5,1, 1933

Acute toxicity, TDLo, Oral, Rat, 5.000 mL/kg.

Results:

Sense Organs and Special Senses (Nose, Eye, Ear, and Taste):Olfaction:Other changes.

Lungs, Thorax, or Respiration:Other changes.

Biochemical:Enzyme inhibition, induction, or change in blood or tissue levels: Cytochrome oxidases (including oxidative phosphorylation).

- Toxicologist., Soc. of Toxicology, Inc., 475 Wolf Ledge Parkway, Akron, OH 44311, Vol/p/yr: 60,404, 2001

Standard Draize Test, Eyes, Human, 500.0 PPM.

Results:

Brain and Coverings: Changes in surface EEG.

- Journal of Industrial Hygiene and Toxicology, Vol/p/yr: 25,282, 1943

Open irritation test., Skin, Species: Rabbit, 395.0 MG, Mild.

Results:

Lungs, Thorax, or Respiration:Other changes.

Blood:Changes in serum composition (e.g.

Biochemical:Enzyme inhibition, induction, or change in blood or tissue levels: Multiple enzyme effects.

- Union Carbide Data Sheet, Union Carbide Corp., 39 Old Ridgebury Rd., Danbury, CT 06817, Vol/p/yr: 5/7, 1970

Standard Draize Test, Skin, Species: Rabbit, 500.0 MG, 24 H, Mild.

Results:

Behavioral: Ataxia.

- Prehled Prumyslove Toxikologie, Marhold, J., Organicke Latky, Prague Czechoslovakia, Vol/p/yr: -,280, 1986

Standard Draize Test, Eyes, Species: Rabbit, 20.00 MG, Severe.

Results:

Tumorigenic: Neoplastic by RTECS criteria.

Skin and Appendages: Other: Tumors.

Tumorigenic:Tumors at site of application.

- American Journal of Ophthalmology., Ophthalmic Pub. Co., 435 N. Michigan Ave., Suite 1415, Chicago, IL 60611, Vol/p/yr: 29,1363, 1946

Standard Draize Test, Eyes, Species: Rabbit, 20.00 MG, 24 H, Moderate.

Results:

Tumorigenic: Equivocal tumorigenic agent by RTECS criteria.

Skin and Appendages: Other: Tumors.

Tumorigenic:Tumors at site of application.

- Prehled Prumyslove Toxikologie, Marhold, J., Organicke Latky, Prague Czechoslovakia, Vol/p/yr: -,280, 1986

Standard Draize Test, Eyes, Human, 186300. ppm, Mild.

Results:

Blood: Microcytosis with or without anemia.

Kidney, Ureter, Bladder:Other changes in urine composition.

- CRC Critical Reviews in Toxicology., CRC Press, Inc., 2000 Corporate Blvd., NW, Boca



SAFETY DATA SHEET

Industrial Grade Rust Converter

Raton, FL 33421, Vol/p/yr: 32,43, 2002

Standard Draize Test, Eyes, Rabbit, 10.00 L, Mild.

Results:

Blood: Other changes.

Blood: Changes in erythrocyte (RBC) count.

Related to Chronic Data - death.

- Journal of Toxicologic Pathology., Nihon Dokusei Byori Gakkai, editor, Vol/p/yr: 29,187, 2001

Standard Draize Test, Eyes, Rabbit, 20.00 mg, Severe.

Results:

Kidney, Ureter, Bladder: Changes in liver weight.

Blood: Pigmented or nucleated red blood cells.

Blood: Changes in erythrocyte (RBC) count.

CAS #	Hazardous Components (Chemical Name)	NTP	IARC	ACGIH	OSHA
67-64-1	Acetone	67-64-1	n.a.	A4	n.a.
108-65-6	Propylene glycol methyl ether acetate	108-65-6	n.a.	n.a.	n.a.
67-63-0	Isopropyl alcohol	67-63-0	n.a.	3	A4
111-76-2	Ethanol, 2-Butoxy-	111-76-2	n.a.	3	A3
74-98-6	Propane	74-98-6	n.a.	n.a.	n.a.
106-97-8	Butane	106-97-8	n.a.	n.a.	n.a.

12. Ecological Information

No data available.

13. Disposal Considerations

Waste Disposal Method: Disposal should be made in accordance with federal, state and local regulations.

14. Transport Information

GHS Classification:

- Flammable Liquids, Category 2 - Danger! Highly flammable liquid and vapor
- Serious Eye Damage/Eye Irritation, Category 2A - Warning! Causes serious eye irritation
- Target Organ Systemic Toxicity (single exposure), Category 3 - Warning! May cause respiratory irritation, or may cause drowsiness and dizziness
- Flammable Liquids, Category 3 - Warning! Flammable liquid and vapor
- Acute Toxicity: Oral, Category 4 - Warning! Harmful if swallowed
- Acute Toxicity: Skin, Category 4 - Warning! Harmful in contact with skin
- Acute Toxicity: Inhalation, Category 4 - Warning! Harmful if inhaled
- Skin Corrosion/Irritation, Category 2 - Warning! Causes skin irritation
- Flammable Gases, Category 1 - Danger! Extremely flammable gas

LAND TRANSPORT (US DOT):

DOT Proper Shipping Name: Consumer Commodity
DOT Hazard Class: ORM-D ORM-D
UN/NA Number:



SAFETY DATA SHEET

Industrial Grade Rust Converter

MARINE TRANSPORT (IMDG/IMO):

IMDG/IMO Shipping Name: Aerosols
UN Number: 1950
Hazard Class: N.A.

Packing Group:
IMDG Classification: 2.1

AIR TRANSPORT (ICAO/IATA):

ICAO/IATA Shipping Name: Aerosols, flammable, 2.1
UN Number: 1950
Hazard Class: N.A.

IATA Classification: 2.1

15. Regulatory Information

CAS #	Hazardous Components (Chemical Name)	Other US EPA or State Lists
67-64-1	Acetone	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Inventory, 4 Test; CA PROP.65: No; CA TAC, Title 8: Title 8; MA Oil/HazMat: Yes; MI CMR, Part 5: Part 5; NC TAP: No; NJ EHS: Yes - 0006; NY Part 597: Yes; PA HSL: Yes - E; SC TAP: No; WI Air: Yes
108-65-6	Propylene glycol methyl ether acetate	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Inventory, 8A PAIR, 8D TERM; CA PROP.65: No; CA TAC, Title 8: No; MA Oil/HazMat: No; MI CMR, Part 5: No; NC TAP: No; NJ EHS: No; NY Part 597: No; PA HSL: No; SC TAP: No; WI Air: No
67-63-0	Isopropyl alcohol	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Inventory, 4 Test; CA PROP.65: No; CA TAC, Title 8: TAC, Title 8; MA Oil/HazMat: No; MI CMR, Part 5: No; NC TAP: No; NJ EHS: Yes - 1076; NY Part 597: No; PA HSL: Yes - E; SC TAP: No; WI Air: No
111-76-2	Ethanol, 2-Butoxy-	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Inventory; CA PROP.65: No; CA TAC, Title 8: TAC, Title 8; MA Oil/HazMat: Yes; MI CMR, Part 5: Part 5; NC TAP: Yes - Cat.; NJ EHS: Yes - 0275; NY Part 597: No; PA HSL: Yes - 1; SC TAP: Yes - Cat.; WI Air: Yes
74-98-6	Propane	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Inventory; CA PROP.65: No; CA TAC, Title 8: No; MA Oil/HazMat: Yes; MI CMR, Part 5: No; NC TAP: No; NJ EHS: Yes - 1594; NY Part 597: No; PA HSL: Yes - 1; SC TAP: No; WI Air: No
106-97-8	Butane	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Inventory; CA PROP.65: No; CA TAC, Title 8: Title 8; MA Oil/HazMat: Yes; MI CMR, Part 5: No; NC TAP: No; NJ EHS: Yes - 0273; NY Part 597: No; PA HSL: Yes - 1; SC TAP: No; WI Air: No
CAS #	Hazardous Components (Chemical Name)	International Regulatory Lists
67-64-1	Acetone	Canadian DSL: Yes; Canadian NDSL: No; Taiwan TCSCA: No
108-65-6	Propylene glycol methyl ether acetate	Canadian DSL: Yes; Canadian NDSL: No; Taiwan TCSCA: No
67-63-0	Isopropyl alcohol	Canadian DSL: Yes; Canadian NDSL: No; Taiwan TCSCA: No
111-76-2	Ethanol, 2-Butoxy-	Canadian DSL: Yes; Canadian NDSL: No; Taiwan TCSCA: No
74-98-6	Propane	Canadian DSL: Yes; Canadian NDSL: No; Taiwan TCSCA: No
106-97-8	Butane	Canadian DSL: Yes; Canadian NDSL: No; Taiwan TCSCA: No



16. Other Information

Additional Information About No data available.

This Product:

Company Policy or

Disclaimer:

Cyclo Industries, Inc. provides the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. Individuals receiving this information must exercise their independent judgment in determining its appropriateness for a particular purpose. Cyclo Industries, Inc. makes no representations or warranties, either expressed or implied, of merchantability, fitness for a particular purpose with respect to the information set forth herein or to the product to which the information refers. Accordingly, Cyclo Industries, Inc. will not be responsible for damages resulting from use of or reliance upon this information.