

JOHNSON MANUFACTURING COMPANY
Material Safety Data Sheet
to comply with 29 CFR 1910.1200,
OSHA's Hazard Communication Standard

Johnson's Metal Cleaner, 35-00

Section I:

Johnson Manufacturing Company
114 Lost Grove Road
Princeton IA 52768

Emergency Telephone (563)-289-5123
CHEMTREC 1-(800)-424-9300
Revised 1/1/2006

Section II: Hazardous Ingredients/Identity information

Hazardous Component	CAS #	OSHA TWA	ACGIH TWA	Other limits
+ phosphoric acid	7664-38-2	1mg/M3	1mg/M3	NE 22 %
+ ethylene glycol butyl ether	111-76-2	25ppm	25ppm	NE 8 %

Only those ingredients listed in this section have been determined to be hazardous as defined in 29CFR 1910.1200.
An ingredient marked with an asterisk(*) is also listed in 29CFR 1910.1200(D) #4 as a known or suspected cancer hazard.

+ denotes a chemical regulated as toxic by the Environmental Protection Agency (EPA) as outlined in 40CFR Part 372 (section 313)

Section III: Physical/Chemical Characteristics

Boiling Point: NE Specific Gravity: 1.19
Vapor Pressure (mm Hg): NE Melting Point: NE
Vapor Density: NE Evaporation Rate
Solubility in water: 100% (butyl acetate=1): < 1
Appearance and odor: clear liquid - alcohol odor

Section IV: Fire and Explosion Hazard Data

Flash Point: 150 F TCC Flammable limits lel: NE uel: NE
Extinguishing media: all
Special fire fighting procedures: use self sustaining respiratory suit
Unusual Fire and Explosion Hazards: May release phosphorous oxide, carbon monoxide, carbon dioxide, various organics.

Section V: Reactivity Data

Stability : STABLE Conditions to avoid : none
Incompatibility (materials to avoid): strong bases, metal, sulfides
Hazardous Decomposition or Byproducts (incomplete combustion): phosphorous oxide, carbon monoxide, carbon dioxide, various organics.
Hazardous Polymerization: WILL NOT OCCUR Conditions to avoid: none

Section VI: Health Hazard Data

Routes of entry: Inhalation? yes Skin? yes Ingestion? yes

Health Hazards (acute and chronic): Contact with material or fumes may cause skin, eye and respiratory tract irritation or burns, some possibly severe. Eye injury may be severe and permanent. Ingestion may result in digestive tract irritation or burns. Moderately toxic by ingestion and inhalation. Repeated skin contact may lead to absorption of harmful amounts of material. Repeated or gross inhalation of fumes or mist may cause asthma. Chronic exposures may result in blood, kidney and respiratory tract effects. Studies show that potential health risks vary by individual. Always minimize exposure as a precaution.

Carcinogenicity: not determined NTP? no IARC Monographs? no

Signs and symptoms of exposure: Inhalation-Nose & throat irritation, headache, dizziness, difficulty breathing, coughing. Ingestion-nausea, vomiting, cramps. Skin-redness, burning, rash, dryness. Eye-redness, burning, tearing, blurred vision.

Medical Conditions Aggravated by exposure: skin, blood, kidney and respiratory conditions

Emergency first aid procedures:

 Skin: Flush with water immediately - Seek medical attention if required

 Eyes: Flush with water for 15 minutes - Seek medical attention

 Ingestion: Drink large amounts of water, DO NOT induce vomiting-see medical attention.

 Never give anything by mouth to an unconscious person.

 Inhalation: Remove to fresh air. Support respiration if required.

 Seek medical attention if required

Section VII: Precautions for Safe Handling and Use

Steps to be taken if material is released or spilled: Flush into a chemical sewer or soak up with a suitable absorbant.

Waste Disposal Method: dispose of in accordance with all local state and federal regulations

Other Precautions: Avoid skin & eye contact, inhalation & ingestion of fumes and material.

Wash contaminated clothing before reuse. Keep away from children. Do not reuse container.

Section VIII: Control Measures

Respiratory Protection (type): Acid type respirator required for fumes.

Ventilation Local Exhaust preferred Special: NE

 Mechanical: OK Other: NE

Protective Gloves: plastic or rubber Eye Protection: Goggles or face shield

Other Protective Clothing or Equipment: as required to avoid contact.

Work/Hygienic Practices: Wash after use. Follow good industrial hygienic practices.

Section IX: Additional Information

DOT Hazard Classification: Phosphoric Acid, 8, UN 1805, PG III

NFPA Classification (NFPA 325M, 8th edition) (Health, Flammability, Reactivity): 2-1-1

OTHER: This product contains components known to the state of California to cause cancer or reproductive harm.

The information and recommendations contained within this publication have been compiled from sources believed to be reliable and to represent the best information available to JOHNSON MANUFACTURING at the time of issue. No warranty, guarantee, or representation is made by JOHNSON MANUFACTURING nor does JOHNSON MANUFACTURING assume any responsibility in connection therewith; nor can it be assumed that all acceptable safety measures or other safety measures may not be required under particular or exceptional conditions or circumstances.

NE = not established NA = not applicable

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