SECTION I - IDENTITY

POWER PUNCH 22, BEER LINE CLEANER
Material Safety Data Sheet

PERMA Incorporated
605 Springs Road
Bedford, MA. 01730

Telephone Number for Information
(781) 667-2161

Date Prepared
01/02/96

Prepared By T. PITROLFFY

Hazardous - NO

CAS Reg #          ppm    ppm    ppm                  (opt)

DOES NOT CONTAIN HAZARDOUS
1200. OR MGL 111 F.

*LISTED CHEMICAL SUBJECT TO REPORTING REQUIREMENT OF SCT.313 OF TITLE III.

SECTION II - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling point - 212F
Vapor Pressure (mm Hg) - 18.5
Vapor Density (air=1) - 1.0
Viscosity (CPS) - NA.
Auto Ignition Temp. - NA.
pH - 13.0 +/- .5
Appearance and Odor - GREEN LIQUID, DETERGENT ODOR

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point - N.A.
Extinguishing media - N.A.

Fire Fighting Procedure - N.A.

Fire and Explosion Hazards - NONE

SECTION V - REACTIVITY DATA

Stability - STABLE

Conditions to Avoid - N.A.

Incompatibility - ACIDS

Hazardous Decomposition or Byproduct - N.A.

Hazardous Polymerization - WILL NOT OCCUR

Conditions to Avoid - N.A.

SECTION VI - HEALTH HAZARD DATA

Routes of entry:
Inhalation - NO
Skin - NO
Ingestion - YES

Health Hazards-Acute: CAUSES EYE AND SKIN IRRITATION
CHRONIC: REDNESS OF SKIN

Carcinogenicity: NO
MTP - N.A.
IARC Monographs - N.A.
OSHA Regulated - NO

Signs and Symptoms of Exposure - ITCHING, BURNING SENSATION REDNESS

Medical Conditions Aggravated - SENSITIZED SKIN

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

Steps to be Taken in Case Material is Released or Spilled - DO NOT MIX WITH OTHER CHEMICALS.
AVOID PROLONGED CONTACT. KEEP FROM FREEZING.

Other Precautions - STORE IN SECURE AREA. AVOID CONTAMINATION.

SECTION VIII - CONTROL MEASURES

Respiratory Protection - NOT REQUIRED WITH NORMAL USE
Ventilation - Local Exhaust - N.A.
Mechanical - N.A.
Special - N.A.
Other - ASSURE FRESH AIR CIRCULATION.

Protective Gloves - REQUIRED: RUBBER, PLASTIC
Eye Protection - RECOMMENDED: SAFETY GLASSES
Other Protection - APRON RECOMMENDED

Work/Hygienic Practices - DO NOT EAT, DRINK NEXT TO MATERIAL.
KEEP OUT OF REACH OF CHILDREN!

SECTION IX - TRANSPORTATION

UNIT CONT. - 55, 30, 5, 1 GAL. PLASTIC CONT

OSHA - NOT REGULATED
DOT - NOT REGULATED
UN - NOT REGULATED

Vendor assumes no responsibility for injury to vendee or third person proximately caused if reasonable safety procedures are not adhered to as stipulated in the data sheet. Additionally, vendor assumes no responsibility for injury to vendee or third persons proximately caused by abnormal use of the material even if reasonable safety procedures are followed. Further more, vendee assumes the risk in use of the material.

The information herein is based on data considered accurate. However, no warranty is expressed or implied regarding the accuracy of these data or results to be obtained from use thereof. Essentially similar to OSHA form # 174.