

Material Safety Data Sheet

May be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910.1200. Standard must be consulted for specific requirements.

U.S. Department of Labor
Occupational Safety and Health Administration
(Non-Mandatory Form)
Form Approved
OMB No. 1218-0072

IDENTITY (As Used on Label and List) Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.
Types 1,3,6,12,24,1/0,1/32,
Section I 1/55 and Super Perma)

Manufacturer's Name Gebhard Satzinger Metallwarenfabrik GMBH*	Emergency Telephone Number 414-637-8170
Address (Number, Street, City, State, and ZIP Code) 8730 Bad Kissingen	Telephone Number for Information 414-637-8170
Promenadestrasse 13	Date Prepared 4/28/86
West Germany	Signature of Preparer (optional)

Section II — Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity, Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits Recommended	44 (action)
10% by weight solution of Potassium Hydroxide in water CAS #1310-58-3		N/A	None	

*U.S. Distributor Perma Lubrication, Inc.
P.O. Box 4051
1509 Rapids Drive
Racine, WIS 53404

Section III — Physical/Chemical Characteristics

Boiling Point	212°F	Specific Gravity (H ₂ O = 1)	1.28
Vapor Pressure (mm Hg.)	same as H ₂ O	Melting Point	N/A
Vapor Density (AIR = 1)	same as H ₂ O	Evaporation Rate (Butyl Acetate = 1)	same as H ₂ O
Solubility in Water	100 grams in 90 ml H ₂ O		
Appearance and Odor	water white odorless liquid		

Section IV — Fire and Explosion Hazard Data

Flash Point (Method Used)	Non-flammable liquid	Flammable Limits	N/A	LEL	N/A	UEL	N/A
Extinguishing Media	N/A						
Special Fire Fighting Procedures	N/A						
Unusual Fire and Explosion Hazards	N/A						

Section V — Reactivity Data

Stability	Unstable		Conditions to Avoid Avoid contact with strong acids.
	Stable	X	

Incompatibility (Materials to Avoid) Avoid contact with strong acids.

Hazardous Decomposition or Byproducts

Hazardous Polymerization	May Occur		Conditions to Avoid
	Will Not Occur	X	

Section VI — Health Hazard Data

Route(s) of Entry: N/A - Inhalation? N/A Skin? see below Ingestion? N/A

Health Hazards (Acute and Chronic)
Electrolyte sealed in container is caustic and can cause chemical burns if contacted with skin in the event of canister rupture.

Carcinogenicity: Non-carcinogenic NTP? IARC Monographs? OSHA Regulated? No

Signs and Symptoms of Exposure Exposure to skin or eye tissue can result in chemical burns and damage to contacted tissue.

Medical Conditions Generally Aggravated by Exposure N/A

Emergency and First Aid Procedures. In case of skin contact with liquid electrolyte, wash with large quantities of water, see physician if skin irritation occurs. If contact with eyes occur flush with water for prolonged time (at least 15-30 minutes). See physician immediately.

Section VII — Precautions for Safe Handling and Use

Steps to Be Taken in Case Material is Released or Spilled
In case of liquid leak, wash down drain with large quantities of water.

Waste Disposal Method
If disposal of liquid is required because of leaking container, isolate liquid, neutralize with acid and flush away with water.

Precautions to Be Taken in Handling and Storing
If canister leaks, handle with protective chemical resistant gloves and wear safety goggles when handling or disposing the leaking container.

Other Precautions
Do not puncture, cut or rupture container.
Do not remove activating screw.

Section VIII — Control Measures

Respiratory Protection (Specify Type)
None required.

Ventilation	Local Exhaust None required.	Special
	Mechanical (General) None required.	Other

Protective Gloves see section VII Eye Protection see section VII

Other Protective Clothing or Equipment None.

Work/Hygiene Practices Good personal hygiene required when handling any spill cleanup.

55181	ALTERATIONS		PROCUREMENT
	A		1-REQ'D. EA. SECTION 1020 FOLDER
	B		
	C		
	D		
	E		
	F		
	G		
	H		
	I		

IMPORTANT

1. REMOVE WIDE GUARD (R.H. PARALLEL AND 8 PAGE, L.H. 16 PAGE) FOR ACCESS TO GEAR LUBRICATOR FOR ACTIVATING.
2. TO ACTIVATE LUBRICATOR, INSTALL PLASTIC ACTIVATOR SCREW AND TIGHTEN UNTIL RING TOP BREAKS AWAY FROM SCREW. (ACTIVATOR SCREW IS INCLUDED IN BAG WITH INSTRUCTIONS)
3. ONCE ACTIVATING SCREW HAS BEEN INSERTED, PERMA LUBRICATOR WILL GENERATE INTERNAL PRESSURE.
4. DO NOT REMOVE ACTIVATING SCREW.
5. DO NOT PUNCTURE UNIT.
6. CONTAINS CAUSTIC SOLUTION.
7. IN CASE OF ACCIDENTAL BREAKAGE AND CONTACT OF LIQUID WITH SKIN OR EYES, IMMEDIATELY FLUSH SKIN OR EYES WITH PLENTY OF WATER. SEE M.S.D.S. SHEET INCLUDED.
8. CHECK PERIODICALLY, LIFE OF LUBRICATOR IS NINE MONTHS AT 95° AMBIENT TEMP. TO 12 MONTHS AT 77° AMBIENT TEMP. WHEN EMPTY, A SILVER COLORED PISTON IS VISIBLE THROUGH CLEAR PLASTIC END NEAR FITTING.

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TOLERANCES
UNLESS OTHERWISE SPECIFIED

← X.XXX ENGLISH →	
X.XX METRIC →	
ENGLISH TOL.	METRIC TOL.
.XX : .015	.X : .40
.XXX : .005	.XX : .120
.XXXX : .001	.XXX : .025

PART NAME GEAR DRIVE LUBRICATION INSTRUCTIONS	REPLACES	DRAWN D.A.Q.	DATE 10-16-89
UNIT NAME 1020 FOLDER	REPLACED BY	CHECKED	DATE
B BAUMFOLDER CORPORATION		DATE REPLACED	55181