

ONE SECOND PLUMBER
 12 AND 24 APPLICATION CANS
 (DRAIN CLEANER 134)

MATERIAL SAFETY DATA SHEET

name of product:

SECTION 1 - HAZARDOUS INGREDIENTS

Chemical Identity	Concentration	CAS Number	PIN Number		
Liquified Propellant R 134					

SECTION II - PREPARATION INFORMATION

Prepared by (Group Department, Etc.) W. Eissler	Phone Number	Date of Preparation 01/10/2016
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SECTION III - PRODUCT INFORMATION **EXPIRES:** 01/10/2019

Product Identifier Drain Cleaner 134/ One Second Plumber 12 or 24 Applications			
Manufacture's Name Hago-Chemotechnik		Supplier's Name International Specialty Items	
Street Address Bodenseestr . 217		Street Address 1186 Stone Church Road E	
City D800 - Munich	Province Germany	City Hamilton	Province Ontario
Postal Code	Emergency Tel. No. 1-800-228-5635 ext 180	Postal Code L8W 2C7	Emergency Tel. No. 800 545-8876

Product Use

SECTION IV - PHYSICAL DATA

Physical State pressurized propellant	Odour and Appearance odourless and colourless	Odour Threshold
Specific Gravity (water #1)	Co-efficient of Water/Oil Distribution	Vapour Pressure 84 psi (68°F)
Boiling Point (°C)	Freezing Point (°C) - 26.5	pH
Evaporation Rate (BuAc=1) <1	Per cent Volatile (volume)	Vapour Density (Air #1) 28
		100

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SECTION V FIRE EXPLOSION HAZARD		
Conditions of Flammability When cans subjected to extreme heat. Pressurized gas and vapours of solvents may cause explosive mixtures with air.		
Means of Extinction Foam, Co2, WATER Water spray may be used to keep containers cool.		
Explosion Date Sensitivity to mechanical Impact no		Sensitivity to Static Discharge no
Flashpoint (°C) and Method none	Upper Flammable Limit % n.a.	Lower Flammable Limit % n.a.
Autoignition Temperature (°C) none	Hazardous Combustion Products none	
SECTION VI REACTIVITY DATA		
Stability stable		
Incompatible Materials Do not use together with alkaline or acid chemicals.		
Conditions of Reactivity Not Reactive		
Hazardous Decomposition Products In cases of burning HF may be emitted		
SECTION VII - TOXICOLOGICAL PROPERTIES		
Route of Entry <input type="checkbox"/> Skin Contact <input type="checkbox"/> Skin Absorption <input type="checkbox"/> Eye Contact <input checked="" type="checkbox"/> Inhalation <input checked="" type="checkbox"/> Ingestion		
Effects of Acute Exposure to Product Nausea and difficulty in breathing.		
Effects of Chronic Exposure to Product		
Exposure Limits 1000 ppm	Irritancy to Product none	Synergistic Products none
Evidence of Carcinogenicity, Reproductive Toxicity, Teratogenicity or Mutagenicity? none		Sensitivity to Product none

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SECTION VIII - PREVENTATIVE MEASURES	
Personal Protective Equipment none	
Gloves (specify) no	Respiratory (specify) Use with adequate ventilation
Eye (specify) no	Footwear (specify) no
Other Equipment (specify) Use with adequate Ventilation.	
Engineering Controls (e.g. ventilation, enclosed process, specify) Use with adequate Ventilation.	
Leak and Spill Procedure Avoid open flames, ventilate area well.	
Waste Disposal Dispose empty cans in accordance with local, federal regulations.	
Handling Procedures and Equipment Keep out of reach from children.	
Storage Requirements Store below 122°F = 50°C	
Special Shipping Information Ship in accordance with TO 6 regulations.	
SECTION IX FIRST AID MEASURES	
Inhalation	Remove to fresh air, give oxygen if necessary.
Ingestion	Do not initiate vomiting, call a physician immediately
Eye Contact	Flush affected areas with plenty of water, call a physician.
Skin Contact	Flush affected areas with water.
Additional Information	Sources Used
Avoid contact with skin or eyes. Contact may cause freezing!	