

UC-Nskpg

MATERIAL SAFETY DATA SHEET
(COMPLIES WITH 29CFR 1910.1200)

IDENTITY (As Used on Label and List) **Multi-Clean Century Maintenance Cleaner** DATE PREPARED **2-27-90**

SECTION I

MANUFACTURE'S NAME **Hako Minuteman** EMERGENCY TELEPHONE NUMBER **612-698-8833**
ADDRESS (NUMBER, STREET, CITY, STATE AND ZIP CODE) **2277 Ford Parkway** TELEPHONE NUMBER FOR INFORMATION **612-698-8833**
St. Paul, Minnesota 55116

SECTION II - Hazardous Ingredients/Identity Information

HAZARDOUS COMPONENTS (SPECIFIC CHEMICAL IDENTITY; COMMON NAME(S))	OSHA PEL	ACGIH TLV	RECOMMENDED	% (OPTIONAL)
Dipropylene glycol methyl ether CAS# 34590-94-8	100 ppm	100 ppm (skin)	•NK	<5
Nonionic surfactant (proprietary)	None	None	•NK	<5
Nonionic surfactant (proprietary)	None	None	•NK	<5
Water CAS #7732-18-5	None	None	•NK	85-95

SECTION III - Physical/Chemical Characteristics

BOILING POINT: **Approx. 212°F** SPECIFIC GRAVITY (H2O) = 1: **1.002**
VAPOR DENSITY (AIR = 1): **< 1** EVAPORATION RATE (BUTYL ACETATE = 1): **ND**
SOLUBILITY IN WATER: **Complete**
VAPOR PRESSURE (MM HG.): **ND** MELTING POINT: **NA**
APPEARANCE AND ODOR: **Yellow/green liquid, citrus odor.**

SECTION IV - Fire and Explosion Hazard Data

FLASH POINT (METHOD USED): **None** FLAMMABLE LIMITS: **NA** LEL **NA** UEL **NA**
EXTINGUISHING MEDIA
WATER? **NA** FOAM? **NA** WATER FOG? **NA** ALCOHOL FOAM? **NA** CO2? **NA** DRY CHEMICAL? **NA**
VAPORIZING LIQUID? **NA** OTHER? **NA**
SPECIAL FIRE FIGHTING PROCEDURES
NA
UNUSUAL FIRE AND EXPLOSION HAZARDS
NK

SECTION V - Reactivity Data

STABILITY: UNSTABLE: **NA** CONDITIONS TO AVOID: **NK**
STABLE: **X**
INCOMPATIBILITY (MATERIALS TO AVOID): **Strong oxidizers**
HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: **NK**
HAZARDOUS POLYMERIZATION
MAY OCCUR: **NA** CONDITIONS TO AVOID: **NA**
WILL NOT OCCUR: **X**

SECTION VI - Health Hazard Data

ROUTE(S) OF ENTRY: INHALATION? X SKIN? X INGESTION? No
HEALTH HAZARDS (ACUTE AND CHRONIC)
Eye and skin irritant. May be harmful if swallowed.

CARCINOGENICITY: NTP? No IARC MONOGRAPHS? No OSHA REGULATED? No

SIGNS AND SYMPTOMS OF EXPOSURE
See Health Hazards

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE
May exacerbate an existing dermatitis.

EMERGENCY AND FIRST AID PROCEDURES
If swallowed, do not induce vomiting. Drink water in large amounts and call a physician immediately. For eye contact, flush eyes with running water for at least 15 minutes. If irritation persists, obtain medical attention. In case of skin contact, flush thoroughly with cool water. Remove and wash contaminated clothing before reuse. Never give anything by mouth to an unconscious person.

SECTION VII - Precautions for Safe Handling and Use

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED
Dike and contain spill with inert material (sand, earth, etc.). Collect spill with absorbent material (example: floor-dri) or vacuum up immediately and dispose of according to local, state and federal regulations. Thoroughly rinse affected area with water.

WASTE DISPOSAL METHOD
Dispose of spilled material in accordance with local, state and federal regulations. Waste from normal product use (according to manufacturer's directions) may be sewered in compliance with local, state and federal regulations.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING
Normal care in handling and storage.

OTHER PRECAUTIONS
Keep out of reach of children. Keep from freezing.

SECTION VIII - Control Measures

RESPIRATORY PROTECTION (SPECIFY TYPES)
NR

VENTILATION: LOCAL EXHAUST NA SPECIAL NR
MECHANICAL (GENERAL) Normal good ventilation sufficient. OTHER NR

PROTECTIVE GLOVES EYE PROTECTION
Natural rubber or synthetic. Approved safety goggles or glasses.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT
NR

WORK/HYGIENIC PRACTICES
Do not contaminate food or beverages with cleaning chemicals.

NA - Not Applicable, NE - Not Established, NK - Not Known, ND - Not Determined, NR - Not Required

NOTICE STATE OF CALIFORNIA: This product may contain trace amounts of chemical impurities in the raw materials which are considered by The State of California to cause cancer or reproductive defects.

NFPA SYSTEM

- 1 A. Health Hazard: 4-DANGER-May be fatal on short exposure. Specialized protective equipment required; 3-WARNING-Corrosive or toxic. Avoid skin contact or inhalation; 2-WARNING-May be harmful if inhaled or absorbed; 1-CAUTION-May cause irritation; 0-No unusual hazard. *Health hazard describes short term contact or inhalation hazard only.
- 0 B. Fire Hazard: 4-DANGER-Flammable gas or extremely flammable liquid; 3-WARNING-Flammable liquid Flash point below 100°F; 2-CAUTION-Combustible liquid Flash point of 100°F to 200°F; 1-COMBUSTIBLE-If heated; 0-NOT COMBUSTIBLE.
- 0 C. Reactivity Hazard: 4-DANGER-Explosive material at room temperature; 3-DANGER-May be explosive if shocked, heated under confinement, or mixed with water; 2-WARNING-Unstable, or may react if mixed with water; 1-CAUTION-May react if heated, or mixed with water; 0-STABLE. Not reactive when mixed with water.

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