80-473

BATTERY CLEANER WITH ACID DECTECTOR

HMIS RATING	
Health	2
Flammability	2
Reactivity	0

KIMBALL-MIDWEST

P.O. BOX 2470

NFPA 704 RATING Health 2 Flammability 2 Reactivity 0 NFPA 30B LEVEL

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COLUMBUS, OH 43216-2470 CORPORATE TELEPHONE: 614-219-6100 EMERGENCY TELEPHONE: 800-424-9300

1. PRODUCT IDENTIFICATION

MATERIAL

SAFETY DATA

SHEET

PART NUMBER	
PRODUCT NAME	
CHEMICAL FAMILY	
DOT SHIPPING	Limited Quantity (LQ)

2 HAZARDOUS INGREDIENTS

SPECIFIC CHEMICAL IDENTITY, COMMON NAMES	OSHA PEL	ACGIH TLV	STEL	%	
Propane/Isobutane/N-butane (68476-86-8)	800ppm	800ppm		20	
Triethanolamine (102-71-6)	NE	5mg/m ³			

All chemical compounds marked with an asterisk (*) are toxic chemicals subject to the reporting of Section 313 of Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR Part 372. You must notify each person to whom this mixture of trade name product is sold. This statement must not be detached. Any copy or redistribution of this Material Safety Data Sheet shall include this statement.

3. PHYSICAL DATA

BOILING POINT (RANGE)	43-651°F
VAPOR PRESSURE PSIG @ 70°F	
VAPOR DENSITY (AIR = 1)	>1
SOLUBILITY IN WATER	Complete
SPECIFIC GRAVITY (H2O = 1)	0.9224
MELTING/FREEZING POINT	N/A
EVAPORATION RATE (Ether=1)	>1
VOC content (by weight)	
APPEARANCE AND ODOR	Transparent amber / amine odor

4. FIRE AND EXPLOSION DATA

FLASH POINT	132°F
UPPER EXPLOSIVE LIMIT (%)	
LOWER EXPLOSIVE LIMIT (%)	
EXTINGUISHING MEDIA	Dry chemical, CO ₂ , foam, water fog
SPECIAL FIREFIGHTING	-
PROCEDURES	Container can build up pressure if exposed to heat (fire). As in any fire, wear self-contained breathing apparatus pressure-demand (MSHA/NIOSH approved or equivalent) and full protective gear.

OS......Vapors can travel to a source of ignition and flash back. "Empty" containers retain product residue (liquid and/or vapor) and can be FIRE AND EXPLOSION HAZARDS dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks, static electricity or other sources of ignition; they may explode and cause injury or death. Empty drums should be completely drained, properly bunged and promptly returned to a drum reconditioner, or properly disposed of.

5. HEALTH EFFECTS DATA

SHORT TERM EFFECTS OF EXPOSURE ROUTE OF ENTRYEyes, Skin, Inhalation HEALTH HAZARDS		
(ACUTE AND CHRONIC)	Vapors irritating to eyes and respiratory tract. Vapors may cause flash fire or explosion. Overexposure may cause nervous system damage, lung damage, kidney damage.	
EYE CONTACT	Liquid, aerosols and vapors of this product are irritating and can cause pain, tearing, reddening and swelling accompanied by a stinging sensation and/or a feeling like that of a fine dust in the eyes.	
SKIN CONTACT	Prolonged or reaped contact can result in defatting and drying of the skin which may result in skin irritation an dermatitis.	
INHALATION	Headaches, dizziness, nausea, decreased blood pressure, changes in hear rate and cyanosis may result from overexposure to vapor or skin exposure. Prolonged inhalation may be harmful.	
INGESTION	This material may be harmful or fatal if swallowed. If a corrosive product, may cause severe and permanent damage to the mouth throat and stomach.	

5. HEALTH EFFECTS DATA CON'T.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE	None known	
FIRST AID PROCEDURES		
EYES	Flush with water for at least 15 minutes, obtain medical attention.	
SKIN CONTACT	Wash with soap, large volumes of water. Obtain medical attention immediately.	
INGESTION	Do not induce vomiting, obtain immediate medical attention.	
INHALATION	Remove to fresh air. Restore breathing and keep calm and warm.	

SPECIAL HEALTH EFFECTS

CARCINOGEN (OSHA Guidelines)Presently not on any lists.

6. REACTIVITY		
STABILITY	Stable	
INCOMPATIBILITIES	Strong acids, alkalis, oxidizers and amines. Avoid all sources of ignition, welding arcs, and open flames.	
HAZARDOUS DECOMPOSITION PRODUCTS		
HAZARDOUS POLYMERIZATION HAZARDOUS POLYMERIZATION		
CONDITIONS	None known	

7. PRECAUTIONS FOR SAFE HANDLING & USE

PROTECTIVE EQUIPMENT	
REQUIREMENTS	Safety glasses; protective neoprene
	gloves; ventilation sufficient to maintain vapor concentrations
	below TLV; wear NIOSH approved
	respirator if TLV is exceeded
WASH REQUIREMENTS	Wash with soap and water.
SPILL OR LEAK PROCEDURES	
	absorbent sweeping compound
	to soak up material; wash area to prevent slipping
	1 11 5
WASTE DISPOSAL METHODS	Dispose of in accordance with local,
	state, and federal hazardous waste regulations
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HANDLING & STORAGE	Store below 120°F; keep away from heat, sparks, or open flame;
	do not incinerate aerosol cans
OTHER PRECAUTIONS	
	deliberately concentrating and
	inhaling contents can be harmful
	or fatal.

8. ADDITIONAL INFORMATION

Use self-contained breathing apparatus if TLV limits are exceeded. Do not eat or smoke while using. Wash hands after use. Use positive pressure air supplied respirator if there is potential for uncontrolled release, if exposure levels are unknown, or in any circumstance where air purifying respirators may not provide adequate protection.

THE INFORMATION GIVEN AND THE RECOMMENDATIONS MADE HEREIN APPLY TO OUR PRODUCT(S) ALONE AND ARE NOT COMBINED WITH OTHER PRODUCTS. SUCH INFORMATION IS BASED UPON OUR RESEARCH AND ON DATA FROM OTHER RELIABLE SOURCES AND IS BELIEVED TO BE ACCURATE. NO GUARANTEE OF ACCURACY IS MADE. IT IS THE PURCHASER'S RESPONSIBILITY BEFORE USING ANY PRODUCT TO VERIFY THIS DATA UNDER THEIR OWN OPERATING CONDITIONS AND TO DETERMINE WHETHER THE PRODUCT IS SUITABLE FOR THEIR PURPOSES.



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