

HMIS RATING	
Health	1
Flammability	4
Reactivity	0

MATERIAL SAFETY DATA SHEET

NFPA 704 RATING	
Health	1
Flammability	4
Reactivity	0
NFPA 30B LEVEL	
3	

KIMBALL-MIDWEST
P.O. BOX 2470
COLUMBUS, OH 43216-2470
CORPORATE TELEPHONE: 614-219-6100
EMERGENCY TELEPHONE: 800-424-9300

1. PRODUCT IDENTIFICATION

PART NUMBER.....80-699
PRODUCT NAME.....FOUR WAY
CHEMICAL FAMILY.....N/A
DOT SHIPPING.....Consumer Commodity ORM-D

2. HAZARDOUS INGREDIENTS

SPECIFIC CHEMICAL IDENTITY, COMMON NAMES	OSHA PEL	ACGIH TLV	STEL	%
Paraffinic solvent (64742-47-8)	NE	NE	NE	<45
Propane/Isobutane/n-Butane (68476-86-8)	800ppm	800ppm	NE	<20
Stoddard Solvent (8052-41-3)	100ppm	100ppm	NE	<20
Kerosene (8008-20-6)	400ppm	400ppm	NE	<10
Mineral Oil, Severe Solvent Dewaxed (64742-65-0)	NE	5mg/m ³	10mg/m ³	<5
Petroleum oils (92062-35-6)	-	-	-	-

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. **Ceiling

3. PHYSICAL DATA

BOILING POINT (RANGE).....-43-522°F
VAPOR PRESSURE PSIG80-90
VAPOR DENSITY (AIR = 1)>1
SOLUBILITY IN WATERNegligible
SPECIFIC GRAVITY (H₂O = 1)0.7345
MELTING/FREEZING POINTN/A
EVAPORATION RATE (61%±1).....>1
VOC content (by weight).....48.9%
APPEARANCE AND ODOR.....Light Amber liquid/Bouquet odor

4. FIRE AND EXPLOSION DATA

FLASH POINT-141°F
UPPER EXPLOSIVE LIMIT (%).....9.5
LOWER EXPLOSIVE LIMIT (%).....0.7
EXTINGUISHING MEDIA.....Dry chemical, CO₂, Water Fog, Foam
SPECIAL FIREFIGHTING PROCEDURES.....Containers can build up pressure if exposed to heat. As in any fire wear self-contained breathing apparatus pressure-demand (MSHA/NIOSH approved or equivalent and full protective gear.
FIRE AND EXPLOSION HAZARDS.....Vapors can travel to a source of ignition and flash back. "Empty" containers retain product residue (liquid and/or vapor) can be 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 ENTRY.....Skin absorption, Inhalation, Ingestion, Eye contact, Skin contact
HEALTH HAZARDS (ACUTE AND CHRONIC).....Overexposure may cause nervous system disorder damage, lung damage, kidney damage, and liver damage.
EYE CONTACT.....Liquid, aerosols and vapors of this product are irritation and can cause pain, tearing, reddening and swelling accompanied by a stinging sensation and/or feeling that dust is in the eyes.
INGESTION.....May be harmful or fatal if swallowed. If a corrosive product, may cause severe and permanent damage to mouth, throat and stomach.
INHALATION.....Headache, dizziness, nausea, decreased blood pressure, changes in heart rate, cyanosis. Prolonged inhalation may be harmful.
SKIN CONTACT.....May cause defatting and drying of the skin which may result in skin irritation and dermatitis.

5. HEALTH EFFECTS DATA CON'T.

FIRST AID PROCEDURES
EYE CONTACT.....Immediately flush exposed areas with water for at least 15 minutes, lifting upper and lower eyelids occasionally. Seek medical attention if irritation persists.
SKIN CONTACT.....Immediately flush exposed areas with water for at least 15 minutes. If irritation persists, get medical attention. Remove contaminated clothing and launder before reuse.
INGESTION.....Do NOT induce vomiting. Obtain medical attention immediately.
INHALATION.....Remove to fresh air. If breathing is difficult, give oxygen. Obtain medical attention in case of complaints.

SPECIAL HEALTH EFFECTS

CARCINOGEN (OSHA Guidelines).....None listed.

6. REACTIVITY

STABILITY.....Stable
INCOMPATIBILITIES.....Strong acids, alkalis, oxidizers and amines. Avoid all sources of ignition, welding arcs, and open flames.
HAZARDOUS DECOMPOSITION PRODUCTS.....Oxides of carbon, oxides of nitrogen.
HAZARDOUS POLYMERIZATION.....Will not occur under normal conditions.
HAZARDOUS POLYMERIZATION CONDITIONS.....None known.

7. PRECAUTIONS FOR SAFE HANDLING & USE

PROTECTIVE EQUIPMENT REQUIREMENTS.....Where contact is likely, wear chemical resistant gloves, a chemical suit, rubber boots, and chemical safety goggles plus face shield.
WASH REQUIREMENTS.....Wash with soap and water.
SPILL OR LEAK PROCEDURES.....Absorb spill with inert material (e.g. dry sand or earth), then place in chemical waste container.
WASTE DISPOSAL METHODS.....Dispose of in accordance with local, state, and federal regulations.
HANDLING & STORAGE.....Wash thoroughly after handling. Keep away from heat, sparks, and flames. Avoid freezing. Store below 120°F.
OTHER PRECAUTIONS.....Use NIOSH approved respirator with an organic vapor cartridge; avoid prolonged breathing of vapors; protection provided by air purifying respirators is limited.

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.



Specializing in Materials Management since 1923