

HMIS RATING	
Health	1
Flammability	4
Reactivity	3

MATERIAL SAFETY DATA SHEET

NFPA 704 RATING	
Health	1
Flammability	4
Reactivity	3
NFPA 308 LEVEL	
3	

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

1. PRODUCT IDENTIFICATION

PART NUMBER.....80-821
PRODUCT NAME.....CHEVROLET ORANGE ENGINE ENAMEL 16 OZ.
AEROSOL CAN
CHEMICAL FAMILY.....N/A
DOT SHIPPING.....Limited Quantity (LQ)

2. HAZARDOUS INGREDIENTS

SPECIFIC CHEMICAL IDENTITY, COMMON NAMES	OSHA PEL	REL	ACGIH TLV	%
Acetone (00067-64-1)	750ppm	750ppm	1000ppm	36.24
Propane (00074-98-6)	1000ppm	1000ppm	-	15.71
*Toluene (00108-88-3)	100ppm	50ppm	-	11.37
N-Butane (00106-97-8)	800ppm	800ppm	-	9.23
Methyl Propyl Ketone (107-87-9)	50ppm	50ppm	-	3.3
PM acetate (108-65-6)	100ppm	100ppm	125ppm	3.64
Glycol Ether EP (02807-30-9)	25ppm	25ppm	-	1.48

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).....-44°C (-47°F)
VAPOR PRESSURE PSIG @ 70°F.....2750 hPa
VAPOR DENSITY (AIR = 1).....N/A
SOLUBILITY IN WATER.....Slight
SPECIFIC GRAVITY (H₂O = 1).....Between 0.77 and 0.85
MELTING/FREEZING POINT.....N/A
EVAPORATION RATE (Ether=1).....>1
VOC content (by weight).....45.7%, 530.2g/L
APPEARANCE AND ODOR.....Orange liquid/Aromatic

4. FIRE AND EXPLOSION DATA

FLASH POINT.....-19°C (-2°F)
UPPER EXPLOSIVE LIMIT (%).....10.9%
LOWER EXPLOSIVE LIMIT (%).....1.7%
EXTINGUISHING MEDIA.....Extinguishing powder, CO₂, Sand. Do not use water!
SPECIAL FIREFIGHTING PROCEDURES.....Containers 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.
FIRE AND EXPLOSION HAZARDS.....Vapors may form explosive mixture with air.
NFPA Flammability Hazard.....4

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).....Extremely flammable. Irritating to eyes. Danger of serious damage to health by prolonged exposure through inhalation. May cause permanent brain and nervous system damage. Repeated overexposure can also damage kidneys, lungs, liver, heart, and blood. Intentional misuse by deliberately inhaling the contents may be harmful or fatal.

MEDICAL CONDITIONS GENERALLY

AGGRAVATED BY EXPOSURE.....Heart Disease, respiratory disorders

5. HEALTH EFFECTS DATA (CONT'D)

FIRST AID PROCEDURES

EYE CONTACT.....Immediately flush eyes with plenty of water. Get medical attention, if irritation persists.
SKIN CONTACT.....Wash with soap and water. Get medical attention if irritation develops or persists. Remove contaminated clothing. Wash skin with soap and water. Get medical attention.
INHALATION.....Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get immediate medical attention. Rescuers should put on appropriate protective gear. Keep victim warm. Get immediate medical attention.
INGESTION.....If swallowed, do NOT induce vomiting. Give victim a glass of water or milk. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person.

SPECIAL HEALTH EFFECTS

CARCINOGEN (OSHA Guidelines).....This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

6. REACTIVITY

STABILITY.....Stable under normal storage conditions.
INCOMPATIBILITIES.....No dangerous reactions known.
HAZARDOUS DECOMPOSITION PRODUCTS.....No decomposition if used according to specifications.
HAZARDOUS POLYMERIZATION.....Will not occur under normal conditions.
HAZARDOUS POLYMERIZATION CONDITIONS.....None known

7. PRECAUTIONS FOR SAFE HANDLING & USE

PROTECTIVE EQUIPMENT REQUIREMENTS.....Safety goggles. Local exhaust ventilation may be necessary to control air contaminants to within TLVs during the use of this product.
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. 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 circumstances 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.

**KIMBALL
MIDWEST**

Specializing in Materials Management since 1925