

KRANS OIL CO -- REGULAR LEAD-FREE GASOLINE -- 9130-00-148-7103

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Product Identification  
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Product ID:REGULAR LEAD-FREE GASOLINE

MSDS Date:09/24/1993

FSC:9130

NIIN:00-148-7103

MSDS Number: BVGYZ

=== Responsible Party ===

Company Name:KRANS OIL CO

Address:1505 15TH ST

City:LAKE LINDEN

State:MI

ZIP:49945

Country:US

Info Phone Num:312-856-3907

Emergency Phone Num:800-447-8735/800-424-9300(CHE  
MTREC)

Preparer's Name:(MSDS#:02003992)

CAGE:0YZ30

=== Contractor Identification ===

Company Name:KRANS OIL CO

Address:1505 15TH ST

Box:City:LAKE LINDEN

State:MI

ZIP:49945

Country:US

Phone:312-856-3907

CAGE:0YZ30

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Composition/Information on Ingredients  
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Ingred Name:GASOLINE

CAS:8006-61-9

RTECS #:LX3300000

Fraction by Wt: N/GIVEN

Other REC Limits:NONE RECOMMENDED

OSHA PEL:300 PPM

ACGIH TLV:300 PPM/500STEL;9394

Ingred Name:BENZENE (SARA III)

CAS:71-43-2

RTECS #:CY14

00000

Fraction by Wt: 4%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:SEE 1910.1028

ACGIH TLV:10 PPM; A2; 9394

EPA Rpt Qty:10 LBS

DOT Rpt Qty:10 LBS

Ingred Name:ETHYL BENZENE (SARA III)

CAS:100-41-4

RTECS #:DA0700000

Fraction by Wt: 2%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:100 PPM

ACGIH TLV:100 PPM/125STEL;9394

EPA Rpt Qty:1000 LBS

DOT Rpt Qty:1000 LBS

Ingred Name:TOLUENE (SARA III)

CAS:108-88-3

RTECS #:XS5250000

Fraction by Wt: 22%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:200 PPM; Z-2

ACGIH TLV:S, 50 PPM; 9394

EPA Rpt Qty:1000 LBS

DOT Rpt Qty:1000 LBS

Ingred Name:CYCLOHEXANE (SARA III)

CAS:110-82-7

RTECS #:GU6300000

Fraction by Wt: 5%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:300 PPM

ACGIH TLV:300 PPM, 9394

EPA Rpt Qty:1000 LBS

DOT Rpt Qty:1000 LBS

Ingred Name:XYLENES (O-,M-,P- ISOMERS) (SARA III)

CAS:1330-20-7

RTECS #:ZE2100000

Fraction by Wt: 10%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:100 PPM

ACGIH TLV:100 PPM/150STEL;9394

EPA Rpt Qty:1000 LBS

DOT Rpt Qty:1000 LBS

Ingred Name:METHYL TERT-BUTYL ETHER (SARA III)

CAS:1634-04-4

RTECS #:KN5250000

Fraction by Wt: 15%

Other REC Limits:NONE RECOMMENDED

EPA Rpt Qty:1 LB

DOT Rpt Qty:1 LB

Ingred Name:BUTANE

CAS:106-97-8

RTECS #:EJ4200000

Fraction by Wt: N/GIVEN

Other REC Limits:NONE RECOMMENDED

OSHA PEL:800 PPM

ACGIH TLV:800 PPM; 9394

Ingred Name:N-HEPTANE

CAS:142-82-5

RTECS #:MI7700000

Fraction by Wt: N/GIVEN

Other REC Limits:NONE RECOMMENDED

OSHA PEL:500 PPM

ACGIH TLV:400 PPM/500STEL;9394

Ingred Name:HEXANE (N  
-HEXANE)

CAS:110-54-3

RTECS #:MN9275000

Fraction by Wt: N/GIVEN

Other REC Limits:NONE RECOMMENDED

OSHA PEL:500 PPM

ACGIH TLV:50 PPM; 9394

EPA Rpt Qty:1 LB

DOT Rpt Qty:1 LB

Ingred Name:PENTANE

CAS:109-66-0

RTECS #:RZ9450000

Fraction by Wt: N/GIVEN

Other REC Limits:NONE RECOMMENDED

OSHA PEL:1000 PPM

ACGIH TLV:600 PPM/750STEL;9394

Ingred Name:TRIMETHYL BENZENE (SARA III)

CAS:25551-13-7

RTECS #:DC3220000

Fraction by Wt: N/GIVEN

Other REC Limits:NONE RECOMMENDED

OSHA PEL:25 PPM

ACGIH TLV:25 PPM; 9

===== Hazards Identification =====

LD50 LC50 Mixture:LD50 (ORAL, RATS) = 18.8ML/KG.

Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO

Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:YES

Health Hazards Acute and Chronic:EYE:HIGH CONCEN OF VAP/MIST MAY CAUSE DISCOMFORT. SKIN:PRLONG/REPEAT CONTACT CAN DEFAT & LEAD TO IRRIT &/OR DERM. INHAL:VAPOUR HARMFUL. HIGH VAP CONCEN CAN CAUSE HEADACHES, DIZZINESS, DROWSINESS, NAUS EA. INGEST:LOW V

ISCOSITY

PRODUCT. HARMFUL/FATAL IF ASPIRATED INTO LUNGS CAUSING CHEM PNEUMONIA/FATAL.

Explanation of Carcinogenicity:CONTAINS BENZENE WHICH IS KNOWN TO CAUSE CANCER.

Effects of Overexposure:MAY PRODUCE HEADACHES, DIZZ, NAU, DROWSINESS, IRRIT OF EYE/NOSE/THROAT/CNS DEPRESSION.

Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MFG.

===== First Aid Measures =====

First Aid:EYE:FLUSH W/PLENTY OF WATER. GET MED ATTN IF IRRIT PERSISTS. SK

IN:WASH W/SOAP & WATER. REMOVE CONTAMIN CLOTHING/SHOES. GET MED ATTN IF IRRIT DEVELOPS. INHAL:REMOVE TO UNCONTAMINATED AREA. GIVE ARTIFIC IAL RESP IF NOT BREATHING. GET MED ATTN. INGEST:DO NOT INDUCE VOMIT. GET IMMED MED ATTN.

===== Fire Fighting Measures =====

Flash Point:-45F,-43C

Autoignition Temp:Autoignition Temp Text:495F

Lower Limits:1.3

Upper Limits:7.6

Extinguishing Media:AGENTS APPROVED FOR CLASS B HAZARDS (E.G. DRY CHEMICAL, CARBON D IOXIDE, HALOGENATED AGENTS, FOAM, STEAM) OR WATER FOG.

Fire Fighting Procedures:NONE SPECIFIED BY MFG. HOWEVER WEAR SELF-CONTAINED BREATHING APPARATUS & PROTECTIVE EQPMT IF SITUATION WARRENTS.

Unusual Fire/Explosion Hazard:EXTREMELY FLAMM VAP/AIR MIXTURES FORM. EXTINGUISHMENT OF FIRE BEFORE SURCE OF VAP IS SHUT OFF CAN CREATE AN EXPLOSIVE MIXTURE IN AIR.

===== Accidental Release Measures =====

Spill Release Procedures:REMOVE/SHUT OFF ALL IGN SOUR

USE WATER

SPRAY TO DISPERSE VAPOR. INCREASE VENTILATION IF POSSIBLE. CONTAIN ON ABSORBENT MATERIAL (SAND/SAWDUST/DIRT/CLAY). KEEP OUT OF SEWERS & WATERWAYS. REPORT SPILLS TO APPROPRIATE AUTHORITIES.

Neutralizing Agent: NONE SPECIFIED BY MFG.

==== Handling and Storage =====

Handling and Storage Precautions: STORE IN FLAMMABLE LIQUID STORAGE AREA. KEEP CONTAINER CLOSED. STORE AWAY FROM HEATING SOURCES/OPEN FLAME IN ACCORDANCE WITH APPLICABLE FEDERAL/STATE/LOCAL REGULATIONS.

Other Precautions:

KEEP AWAY FROM IGNITION SOURCES. KEEP CONTAINER CLOSED. USE WITH ADEQUATE VENTILATION. AVOID BREATHING VAPOR &/OR MIST. USE AS MOTOR FUEL ONLY. AVOID STRONG OXIDIZERS.

==== Exposure Controls/Personal Protection =====

Respiratory Protection: IF VENTILATION IS INADEQUATE USE NIOSH/MSHA CERTIFIED RESPIRATOR WHICH WILL PROTECT AGAINST ORGANIC VAPOR/MIST.

Ventilation: USE WITH ADEQUATE VENTILATION.

Protective Gloves: RECOMMENDED - PVC.

Eye Protection: RECOMMENDED - SAFETY GLASSES / GOGGLES.

Other Protective Equipment: WEAR PROTECTIVE CLOTHING IF PROLONGED/REPEATED CONTACT IS LIKELY.

Work Hygienic Practices: THOROUGHLY CLEAN/DRY CONTAMINATED CLOTHING BEFORE REUSE. WASH HANDS AFTER HANDLING & BEFORE EATING/SMOKING/DRINKING.

Supplemental Safety and Health

LONG-TERM INHALATION STUDY OF WHOLE UNLEADED GASOLINE VAPOR EXPOSURE-RELATED KIDNEY DAMAGE/TUMORS WERE OBSERVED IN MALE RATS & NOT SEEN IN FEMALES. CHRONIC EXPOSURE TO BENZENE CAUSES LEUKEMIA IN HUMANS & OTHER ADVERSE BLOOD EFFECTS (ANEMIA).

==== Physical/Chemical Properties =====

Hazard Class: F2

Boiling Point: 80.0°F, 26.7°C

Vapor Pressure: 7-15 LBS

Vapor Density: 3-4

Specific Gravity: 0.75

Solubility in Water: NEGLIGIBLE,