

COASTAL CORP

-- UNLEADED GASOLINE

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MSDS Safety Information

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FSC: 9130
NIIN: 01-055-0816
MSDS Date: 06/22/2000
MSDS Num: BQNRL
Product ID: UNLEADED GASOLINE
MFN: 01
Responsible Party
Cage: 46684
Name: COASTAL CORP
Address: 9 GREENWAY PLAZA
City: HOUSTON TX 77046
Info Phone Number: 713-877-1400 / FAX 713-877-6754
Emergency Phone Number: 713-877-1400
Resp. Party Other MSDS No.: MSDS NO: A0001.MSD
Chemtrec IND/Phone: (800)424-9300
Published: Y

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Contractor Summary

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Cage: 46684
Name: COASTAL CORP
Address: 9 GREENWAY PLAZA
City: HOUSTON TX 77046
Phone: 713-877-6732

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Item Description Information

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Specification Number: VV-G-1609
Type/Grade/Class: REGULAR UNLEADED
Type of Container: DRUM

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Ingredients

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Cas: 71-43-2
RTECS #: CY1400000
Name: BENZENE (SARA III)
% low Wt: 0.
% high Wt: 5.
Other REC Limits: NONE RECOMMENDED
OSHA PEL: 1PPM/5STEL;1910.1028
ACGIH TLV: 10 PPM; A2; 9293
EPA Rpt Qty: 10 LBS
DOT Rpt Qty: 10 LBS

Cas: 108-88-3
RTECS #: XS5250000
Name: TOLUENE (SARA III)
% low Wt: 0.
% high Wt: 25.
Other REC Limits: NONE RECOMMENDED
OSHA PEL: 200 PPM/150 STEL
ACGIH TLV: 50 PPM; 9293
EPA Rpt Qty: 1000 LBS
DOT Rpt Qty: 1000 LBS

Cas: 1330-20-7

RTECS #: ZE2100000
Name: XYLENES (O-,M-,P- ISOMERS) (SARA III)
% low Wt: 0.
% high Wt: 25.
Other REC Limits: NONE RECOMMENDED
OSHA PEL: 100 PPM/150 STEL
ACGIH TLV: 100 PPM/150STEL;9293
EPA Rpt Qty: 1000 LBS
DOT Rpt Qty: 1000 LBS

Cas: 100-41-4
RTECS #: DA0700000
Name: ETHYL BENZENE (SARA III)
% low Wt: 0.
% high Wt: 5.
Other REC Limits: NONE RECOMMENDED
OSHA PEL: 100 PPM/125 STEL
ACGIH TLV: 100 PPM/125STEL 9293
EPA Rpt Qty: 1000 LBS
DOT Rpt Qty: 1000 LBS

Cas: 110-54-3
RTECS #: MN9275000
Name: HEXANE (N-HEXANE)
< Wt: 3.5
Other REC Limits: NONE RECOMMENDED
OSHA PEL: 500 PPM
ACGIH TLV: 50 PPM; 9293
EPA Rpt Qty: 1 LB
DOT Rpt Qty: 1 LB

Name: HEXANES (OTHER THAN N-HEXANE)
< Wt: 9.
Other REC Limits: NONE RECOMMENDED
OSHA PEL: 500 PPM
ACGIH TLV: 500 PPM

Cas: 95-63-6
RTECS #: DC3325000
Name: 1,2,4-TRIMETHYLBENZENE (SARA III)
% low Wt: 0.
% high Wt: 5.
Other REC Limits: NONE RECOMMENDED
OSHA PEL: 25 PPM
ACGIH TLV: 25 PPM; 9293

Cas: 98-82-8
RTECS #: GR8575000
Name: CUMENE (SARA III)
% low Wt: 0.
% high Wt: 2.
Other REC Limits: NONE RECOMMENDED
OSHA PEL: S, 50 PPM
ACGIH TLV: S, 50 PPM; 9293
EPA Rpt Qty: 5000 LBS
DOT Rpt Qty: 5000 LBS

Cas: 106-97-8
RTECS #: EJ4200000
Name: BUTANE

< Wt: 9.

Other REC Limits: NONE RECOMMENDED

OSHA PEL: 800 PPM

ACGIH TLV: 800 PPM; 9293

Cas: 109-66-0

RTECS #: RZ9450000

Name: PENTANE

< Wt: 6.5

Other REC Limits: NONE RECOMMENDED

OSHA PEL: 1000 PPM/750 STEL

ACGIH TLV: 600 PPM/750STEL;9293

Cas: 75-65-0

RTECS #: EO1925000

Name: TERT-BUTYL ALCOHOL (SARA III)

% low Wt: 0.

% high Wt: 10.

Other REC Limits: NONE RECOMMENDED

OSHA PEL: 100 PPM

ACGIH TLV: 100PPM 9394

Cas: 1634-04-4

RTECS #: KN5250000

Name: METHYL TERT-BUTYL ETHER (SARA III)

% low Wt: 0.

% high Wt: 15.

Other REC Limits: NONE RECOMMENDED

OSHA PEL: NOT ESTABLISHED

ACGIH TLV: NOT ESTABLISHED

EPA Rpt Qty: 1 LB

DOT Rpt Qty: 1 LB

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Health Hazards Data
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LD50 LC50 Mixture: NONE PROVIDED BY MFR

Carcinogenicity Inds - NTP: YES

IARC: YES

OSHA: YES

Effects of Exposure: ACUTE: EYES: SLIGHT TO MODERATE EYE IRRITATION. SKIN: MODERATELY IRRITATING. INHALATION: IRRITATING TO MUCOUS MEMBRANE AND RESPIRATORY TRACT. CAN ACT AS A SIMPLE ASPHYXIANT. INGESTION: MAY CAUSE STOMACH IRRITATION. CHRONIC: SKIN AND EYE IRRITATION. MAY AFFECT THE RESPIRATORY AND CENTRAL NERVOUS SYTEM. RECENT STUDIES INDICATE KIDNEY DAMAGE AND KIDNEY CANCER IN RATS, AND LIVER CANCER IN MICE.

Explanation Of Carcinogenicity: CARCINOGENICITY: UNLEADED GASOLINE- NTP, NO; IARC MONOGRAPHS, POSSIBLE CARCINOGENIC TO HUMANS; OSHA REGULATED, NO. BENZENE- NTP, YES; IARC MONOGRAPHS, YES; OSHA REGULATED, YES.

Signs And Symptions Of Overexposure: SKIN: REDNESS, DRYING OF THE SKIN. INHALATION: GASTRITIS, HEADACHE, NAUSEA, DROWSINESS, LOSS OF CONCIOUSNESS, CONVULSIONS, CYANOSIS, PNEUMONITIS, PULMONARY EDEME, CENTRAL NERVOUS SYSTEM DEPRESSION AND CAPILLARY HOMORRHAGING OF THE LUNG AND INTERNAL ORGANS. ASPIRATION HAZARD IF VOMITING OCCURS.

Medical Cond Aggravated By Exposure: EITHER CONCENTRATED OR DILUTE FORMS OF THIS PRODUCT AT TLV(OR EVEN BELOW) MAY AGGRAVATE EXISTING DERMATITIS OR RESPIRATORY DISORDERS. BENZENE DEGENERATES BLOOD PRODUCING ORGANS LEADING TO LEUKEMIA.

First Aid: EYES:FLUSH THOROUGHLY WITH WATER FOR AT LEAST 15 MINUTES INCLUDING UNDER EYELIDS. CONTACT A PHYSICIAN IMMEDIATELY, PERFERABLY AN OPHTHALMOLOGIST, SPEED & THOROUGHNESS IN RINSING EYES ARE IMPORTANT TO

AVOID PERMANENT INJURY. SKIN:REMOVE CONTAMINATED CLOTHING & SHOES. WASH AFFECTED AREAS WITH SOAP & FLUSH WITH LARGE AMOUNTS OF WATER FOR 15 TO 20 MINUTES. GET IMMEDIATE MEDICAL ATTENTION. INHALATION :REMOVE TO FRESH AIR. IF BREATHING HAS STOPPED APPLY ARTIFICIAL RESPIRATION. SEEK IMMEDIATE MEDICAL ATTENTION. INGESTION: DO NOT INDUCE VOMITING. IF SPONTANEOUS VOMITING OCCURS HOLD THE VICTIMS HEAD LOWER THAN HIPS TO PREVENT ASPIRATION.

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 Handling and Disposal
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Spill Release Procedures: REMOVE SOURCES OF HEAT OR IGNITION INCLUDING INTERNAL COMBUSTION ENGINES AND POWER TOOLS. CLEAN UP SPILL, BUT DO NOT FLUSH TO SEWER OR SURFACE WATER. VENTILATE AREA AND AVOID INHALATION OF VAPORS OR MISTS.

Neutralizing Agent: NONE SPECIFIED BY MANUFACTURER.

Waste Disposal Methods: DISPOSE THROUGH A LICENSED WASTE DISPOSAL COMPANY. FOLLOW APPLICABLE FEDERAL, STATE, AND LOCAL WASTE DISPOSAL REGULATIONS.

Handling And Storage Precautions: STORE IN TIGHTLY CLOSED CONTAINERS IN A COOL PLACE, AWAY FROM INCOMPTABLE MATERIALS OR SOURCES OF HEAT AND IGNITION. GROUND & BOND ALL TRANSFER & STORAGE EQUIPMENT TO PREVENT STATIC SPARKS & EQUIP WITH SELF-CLOSING VALVES, PRESSURE VACUUM BUNGS & FLAME ARRESTORS.

Other Precautions: GASOLINE IS TO BE USED AS MOTOR FUEL ONLY. NEVER USE AS A CLEANING SOLVENT OR DEGREASER. USE EXPLOSION PROOF ELECTRICAL EQUIPMENT. NO SMOKING SHOULD BE ALLOWED IN AREA OF USE.

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 Fire and Explosion Hazard Information
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Flash Point Method: TCC

Flash Point: =-42.6C, -45.F

Flash Point Text: -45F,-43C

Autoignition Temp Text: C/CE..

Lower Limits: 1.4 %

Upper Limits: 7.6 %

Extinguishing Media: DRY CHEMICAL, FORM, OR CARBON DIOXIDE

Fire Fighting Procedures: USE A SMOTHERING TECHNIQUE FOR EXTINGUISHING FIRE. DO NOT USE A FORCED WATER STREAM DIRECTLY ON GASOLINE FIRES AS THIS WILL TEND TO SCATTER THE FIRE. USE WATER SPRAY TO COOL FIRE-EXPOSED CONTAINERS. FIREFIGHTERS SHOULD WEAR SELF CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE CLOTHING.

Unusual Fire/Explosion Hazard: FLOWING GASOLINE CAN BE IGNITED BY SELF-GENERATED STATIC ELECTRICITY: CONTAINERS SHOULD BE GOUNDED AND BONDED. RUNOFF TO SEWER MAY CREATE A FIRE OR EXPLOSION HAZARD WELL DOWNSTREAM FROM THE SOURCE

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 Control Measures
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Respiratory Protection: USE APPROVED RESPIRATORY PROTECTIVE EQUIPMENT FOR CLEANING LARGE SPILLS OR ENTRY INTO TANKS, VESSELS OR OTHER CONFINED SPACES.

Ventilation: PROVIDE ADEQUATE GENERAL AND LOCAL VENTILATION TO MAINTAIN AIRBORNE CHEMICAL CONCENTRATIONS BELOW APPLICABLE EXPOSURE LIMITS.

Protective Gloves: WEAR IMPERVIOUS GLOVES

Eye Protection: REMOVE CONTACT LENSES & WEAR CHEMICAL SAFETY GLASSES OR GOGGLES

Other Protective Equipment: OIL IMPERVIOUS INDUSTRIAL WORK CLOTHING TO MINIMIZE SKIN CONTACT. EYE BATH AND SAFETY SHOWER RECOMMENDED.

Work Hygienic Practices: LAUNDER CONTAMINATED CLOTHING PRIOR TO REUSE. WASH WITH SOAP AND WATER BEFORE EATING, DRINKING OR SMOKING.

Supplemental Safety and Health: THE VARIABLE COMPOSITION MAKES IT IMPOSSIBLE TO SET SPECIFIC EXPOSURE LIMIT FOR ALL COMPOSTIONS OF THIS MATERIAL. SPECIFIC EXPOSURE LIMITS FOR POTENTIAL COMPONENTS SUCH AS BENZENE SHOULD BE APPLIED BASED ON AIR MONITIORING TO ASSURE EMPLOYEES ARE NOT EXPOSED TO EXCESSIVE VAPOR LEVELS OF COMPONENTS.

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 Physical/Chemical Properties
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HCC: F1
 B.P. Text: 80 TO 430 F
 M.P/F.P Text: VARIABLE
 Decomp Text: NONE PROVIDED BY MFR
 Vapor Pres: 325-525 MMHG @ 100F
 Vapor Density: 3-4(AIR=1)
 Spec Gravity: 0.7 - 0.77 @ 60/60F
 Viscosity: 1.4 CST@ 40C
 Solubility in Water: NEGLIGIBLE
 Appearance and Odor: BRONZE FLUID, AROMATIC ODOR
 Percent Volatiles by Volume: 100 %
 Corrosion Rate: NONE PROVIDED BY MFR

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 Reactivity Data
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Stability Indicator: YES
 Stability Condition To Avoid: HEAT, SPARKS, FLAME, BUILD-UP OF STATIC
 ELECTRICITY.
 Materials To Avoid: STRONG OXIDIZING AGENTS, STRONG ACIDS AND ALKALIES,
 HALOGENS.
 Hazardous Decomposition Products: CARBON MONOXIDE, CARBON DIOXIDE AND
 HYDROCARBONS.
 Hazardous Polymerization Indicator: NO
 Conditions To Avoid Polymerization: WILL NOT OCCUR.

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 Toxicological Information
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Toxicological Information: CONTACT WITH FULL STRENGTH OR EVEN DILUTE
 FORMULATIONS OF THIS PRODUCT OR EXPOSURE ABOVE AND/OR BELOW THE PEL OR TLV
 MAY AGGRAVATE PRE-EXISTING DERMATITIS OR RESPIRATORY DISORDERS IN CERTAIN
 INDIVIDUALS. THERE IS SUFFICIENT EVIDENCE FOR THE CARCINOGENICITY OF BENZENE
 IN HUMANS. BENZENE MAY CAUSE DEGENERATION IN BLOOD FORMING ORGANS LEADING TO
 ANEMIA WHICH MAY FURTHER DEGRADE TO LEUKEMIA. BUTANE AND ISOBUTANE HAVE BEEN
 SHOWN TO BE CARDIAC SENSITIZERS IN LABORATORY ANIMAL TESTING. N-HEXANE HAS
 BEEN SHOWN TO CAUSE POLYNEUROPATHY IN ANIMAL TOXICOLOGICAL TESTS.

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 Ecological Information
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Ecological: NO DATA AVAILABLE

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 MSDS Transport Information
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Transport Information: GASOLINE, 3, UN1203, PACKING GROUP II

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 Regulatory Information
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Sara Title III Information: SECTION 302 EPCRA EXTREMELY HAZARDOUS SUBSTANCES
 (EHS): NONE. SECTION 304 CERCLA HAZARDOUS SUBSTANCES: BENZENE, CAS# 71-43-2,
 0-5.0 %, RQ 10 LB; TOLUENE CAS# 108-88-3, 0-25.0%, RQ 1000 LB; XYLENE, CAS#
 1330-20-7, 0-25.0%, RQ 100 LB; ETHYL BENZENE, 100-41-4, 0-5.0%, RQ 1000 LB;
 N-HEXANE, 110-54-3, <3.5, RQ 5000 LB; HEXANE (OTHER ISOMERS), <9.0%, RQ
 5000 LB; CUMENE, CAS# 98-82-8, 0-2.0%, 5000 LB; M ETHYL T-BUTYL ETHER, CAS#
 1634-04-4, 0-15.0%, RQ 1000 LB. SECTION 311/312 HAZARD CATEGORIZATION:
 ACUTE, CHRONIC, & FIRE. SECTION 313 EPCRA TOXIC SUBSTANCES: SEE OTHER
 INFORMATION SECTION.

State Regulatory Information: CALIFORNIA PROPOSITION 65 WARNING- CHEMICALS
 KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER, BIRTH DEFECTS, OR OTHER

REPRODUCTIVE HARM MAY BE FOUND IN CRUDE OIL AND PETROLEUM PRODUCTS. ALTHOUGH IT IS POSSIBLE TO SUFFICIENTLY REFINA CRUDE OIL OR ITS END PRODUCTS TO REMOVE THE POTENTIAL FOR CANCER, WE ARE ADVISING THAT ONE OR MORE OF THE LISTED CHEMICALS MAY BE PRESENT IN SOME DETECTABLE QUANTITIES. READ AND FOLLOW DIRECTIONS AND USE CARE WHEN HANDLING CRUDE OIL AND PETROLEUM PRODUCTS.

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Other Information
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Other Information: SARA CON'T- SECTION 313 EPCRA TOXIC SUBSTANCES: BENZENE, CAS# 71-43-2, 0-5.0 %; TOLUENE CAS# 108-88-3, 0-25.0%; XYLENE, CAS# 1330-20-7, 0-25.0%; ETHYL BENZENE, 100-41-4, 0-5.0%; N-HEXANE, 110-54-3, < 3.5; HEXANE (OTHER ISOMERS), <9.0%; CUMENE, CAS# 98-82-8, 0-2.0%; T-BUTYL ALCOHOL, CAS# 75-65-0, 0-10.0%; METHYL T-BUTYL ETHER, CAS# 1634-04-4, 0-15.0%. SECTION 302 EPCRA EXTREMELY HAZARDOUS SUBSTANCES (EHS): NONE. SECTION 304 CERCLA HAZARDOUS SUBSTANCES: NONE. SECTION 311/312 HAZARD CATEGORIZATION: ACUTE, CHRONIC, & FIRE. SECTION 313 EPCRA TOXIC SUBSTANCES: NONE.

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Transportation Information
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Responsible Party Code: 46684
Trans ID NO: 103701
Product ID: UNLEADED GASOLINE
MSDS Prepared Date: 06/22/2000
Review Date: 05/17/2001
MFN: 1
Net Unit Weight: 338.9 LBS
Multiple KIT Number: 0
Review IND: Y
Type Of Container: DRUM
Additional Data: FILM OR SHEEN UPON THE WATER SURFACE OR DISCOLORATION OF THE WATER OR ADJOINING SHORELINE IS REPORTABLE TO THE NATIONAL RESPONSE CENTER AT 1-800-424-8802.

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Detail DOT Information
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DOT PSN Code: GTN
DOT Proper Shipping Name: GASOLINE
Hazard Class: 3
UN ID Num: UN1203
DOT Packaging Group: II
Label: FLAMMABLE LIQUID
Special Provision: B33,B101,T8
Non Bulk Pack: 202
Bulk Pack: 242
Max Qty Pass: 5 L
Max Qty Cargo: 60 L
Vessel Stow Req: E

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Detail IMO Information
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IMO PSN Code: HRV
IMO Proper Shipping Name: GASOLINE
IMDG Page Number: 3141
UN Number: 1203
UN Hazard Class: 3.1
IMO Packaging Group: II
Subsidiary Risk Label: -
EMS Number: 3-07

MED First Aid Guide NUM: 311

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 Detail IATA Information
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IATA PSN UC
 IATA UN ID Num: 1203
 IATA Proper Shipping Name: GASOLINE
 IATA UN Class: 3
 IATA Label: FLAMMABLE LIQUID
 UN Packing Group: II
 Packing Note Passenger: 305
 Max Quant Pass: 5L
 Max Quant Cargo: 60L
 Packaging Note Cargo: 307
 Exceptions: A100

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 Detail AFI Information
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AFI PSN UC
 AFI Proper Shipping Name: GASOLINE
 AFI Hazard Class: 3
 AFI UN ID NUM: UN1203
 AFI Packing Group: II
 Special Provisions: P5
 Back Pack Reference: A7.3

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 HAZCOM Label
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Product ID: UNLEADED GASOLINE
 Cage: 46684
 Company Name: COASTAL CORP
 Street: 9 GREENWAY PLAZA
 City: HOUSTON TX
 Zipcode: 77046
 Health Emergency Phone: 713-877-1400
 Label Required IND: Y
 Date Of Label Review: 05/17/2001
 Status Code: A
 Origination Code: F
 Chronic Hazard IND: Y
 Eye Protection IND: YES
 Skin Protection IND: YES
 Signal Word: DANGER
 Respiratory Protection IND: YES
 Health Hazard: Moderate
 Contact Hazard: Moderate
 Fire Hazard: Severe
 Reactivity Hazard: None
 Hazard And Precautions: TARGET ORGANS: KIDNEY, LIVER. ACUTE: EYES: SLIGHT TO
 MODERATE EYE IRRITATION. SKIN: MODERATELY IRRITATING. INHALATION: IRRITATING
 TO MUCOUS MEMBRANE AND RESPIRATORY TRACT. CAN ACT AS A SIMPLE ASPHYX IANT.
 INGESTION: MAY CAUSE STOMACH IRRITATION.

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