



SAFETY DATA SHEET

GR-376 Gum Remover

01 – IDENTIFICATION

PRODUCT IDENTIFIER: D'LIMONENE

OTHER MEANS OF IDENTIFICATION: 1-METHYL-4-(1-METHYLETHENYL) CYCLOHEXENE; p-MENTHA-1, 8-DIENE

RECOMMENDED USE: FLAVOR, FRAGRANCE IN ACCORDANCE WITH RELEVANT LEGAL REGULATIONS AND GUIDELINES

SUPPLIER IDENTIFICATION: SLACK CHEMICAL
465 SOUTH CLINTON STREET
CARTHAGE, NY 13619
(315) 493-0430

EMERGENCY CONTACT NUMBER: 1-800-424-9300 (CHEMTREC)

02 – HAZARD IDENTIFICATION

GHS CLASSIFICATION:



FLAMMABLE LIQUIDS, CATEGORY 3
ASPIRATION HAZARD, CATEGORY 1
SKIN IRRITATION, CATEGORY 2
SKIN SENSITIZATION, CATEGORY 1

SIGNAL WORD: DANGER

HAZARD STATEMENTS:

H226 - FLAMMABLE LIQUID AND VAPOUR.
H304 - MAY BE FATAL IF SWALLOWED AND ENTERS AIRWAYS.
H315 - CAUSES SKIN IRRITATION.
H317 - MAY CAUSE AN ALLERGIC SKIN REACTION.

PRECAUTIONARY STATEMENTS:

P210 – KEEP AWAY FROM HEAT / SPARKS / OPEN FLAMES / HOT SURFACES – NO SMOKING.
P240 – GROUND/BOND CONTAINER AND RECEIVING EQUIPMENT.
P241 – USE RATED EXPLOSION-PROOF ELECTRICAL EQUIPMENT.
P242 – USE ONLY NON-SPARKING TOOLS.
P243 – TAKE PRECAUTIONARY MEASURES AGAINST STATIC DISCHARGE.
P261 – AVOID BREATHING FUMES / VAPOUR.
P264 – WASH HANDS THOROUGHLY AFTER HANDLING.
P272 – CONTAMINATED WORK CLOTHING SHOULD NOT BE ALLOWED OUT OF THE WORKPLACE
P273 – AVOID RELEASE TO THE ENVIRONMENT.
P280 – WEAR PROTECTIVE GLOVES / CLOTHING / EYE PROTECTION / FACE PROTECTION.
P301/310 – IF SWALLOWED: IMMEDIATELY CALL A POISON CENTRE OR DOCTOR/PHYSICIAN.
P302/352 – IF ON SKIN: WASH WITH PLENTY OF SOAP AND WATER.
P303/361 + P353 – IF ON SKIN (OR HAIR): REMOVE IMMEDIATELY ALL CONTAMINATED CLOTHING. RINSE SKIN WITH WATER/SHOWER.
P312 – CALL A POISON CENTER/DOCTOR IF YOU FEEL UNWELL
P331 – DO NOT INDUCE VOMITING.
P333/313 – IF SKIN IRRITATION OR RASH OCCURS: GET MEDICAL ADVICE / ATTENTION.
P362 – TAKE OFF CONTAMINATED CLOTHING AND WASH BEFORE REUSE.
P363 – WASH CONTAMINATED CLOTHING BEFORE REUSE.
P370/378 – IN CASE OF FIRE: USE APPROPRIATE FIRE EXTINGUISHERS FOR FIRE CONTROL.



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P391 – COLLECT SPILLAGE.
P403/235 – STORE IN WELL-VENTILATED PLACE. KEEP COOL.
P405 – STORE LOCKED UP.
P501 – DISPOSE OF CONTENTS/CONTAINER IN ACCORDANCE WITH LOCAL REGULATIONS AS DANGEROUS GOODS.

03 – COMPOSITION / INFORMATION ON INGREDIENTS

CHEMICAL NAME	COMMON NAME	CAS No.	OTHER IDENTIFICATION
1-METHYL-4-(1-METHYLETHENYL)CYCLOHEXENE; p-MENTHA-1, 8-DIENE	D'LIMONENE	5989-27-5	EC No.: 227-813-5 FEMA: 2633

04 – FIRST-AID MEASURES

GENERAL INFORMATION:

ENSURE MEDICAL PERSONNEL ARE CONTACTED AND INVOLVED. SHOW THIS SAFETY DATA SHEET TO ALL MEDICAL PERSONNEL TO ENSURE THEIR SAFETY AND PROTECTION. MOVE TO A SAFE AREA, FREE FROM HAZARDOUS MATERIALS.

SKIN CONTACT:

SYMPTOMS: IRRITATION (IMMEDIATE OR DELAYED)
RESPONSE: WASH WITH LARGE QUANTITIES OF WATER (OR WATER + SOAP). REMOVE CONTAMINATED CLOTHES AND SHOES.
IF IRRITATION PERSISTS OR ANY SIGN OF TISSUE DAMAGE IS APPARENT, OBTAIN MEDICAL ADVICE.

EYE CONTACT:

SYMPTOMS: MILD IRRITATION (IMMEDIATE)
RESPONSE: REMOVE CONTACT LENSES. IRRIGATE COPIOUSLY WITH WATER FOR AT LEAST FIFTEEN MINUTES.
OBTAIN MEDICAL ADVICE IF IRRITATION OR EVIDENCE OF TISSUE DAMAGE PERSISTS.

INGESTION:

SYMPTOMS: IRRITATION (IMMEDIATE), VARIABLE EFFECTS (DELAYED)
RESPONSE: RINSE MOUTH WITH WATER. OBTAIN IMMEDIATE MEDICAL ADVICE. DO NOT INDUCE VOMITING.

INHALATION:

SYMPTOMS: MILD TO SEVERE IRRITATION OF AIRWAYS (IMMEDIATE)
RESPONSE: REMOVE THE PERSON TO FRESH AIR AND KEEP AT REST. OBTAIN MEDICAL ADVICE IMMEDIATELY.

05 – FIRE- FIGHTING MEASURES

EXTINGUISHING MEDIA:

RECOMMENDED: CARBON DIOXIDE, SPECIAL LIQUID OR DRY POWDER EXTINGUISHERS.
USABLE: FOAM EXTINGUISHERS.
INADVISABLE: DIRECT WATER JET.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

CLOSED CONTAINERS MAY BUILD UP PRESSURE AT ELEVATED TEMPERATURES.
IF POSSIBLE, CONTAINERS SHOULD BE COOLED WITH A WATER SPRAY.

HAZARDOUS COMBUSTION PRODUCTS:

EXPOSURE TO FIRE MAY LEAD TO THE PRODUCTION OF CARBON OXIDES.

SPECIAL PROTECTIVE EQUIPMENT FOR FIRST RESPONDERS:

PROTECTIVE CLOTHING, FACE PROTECTION AND GLOVES SHOULD BE WORN.



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06 – ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS:

AVOID OPEN FLAMES OR OTHER SOURCES OF IGNITION. AVOID INHALATION OF VAPORS.

ENVIRONMENTAL PRECAUTIONS:

TO AVOID A POSSIBLE CONTAMINATION OF THE ENVIRONMENT, CONTAIN SPILLED MATERIAL.

METHODS AND MATERIALS FOR CONTAINMENT AND CLEAN-UP:

COVER WITH AN INERT, INORGANIC, NON-COMBUSTIBLE ABSORBENT MATERIAL, SWEEP UP AND REMOVE TO AN APPROVED DISPOSAL CONTAINER.

DISPOSE OF IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL ENVIRONMENTAL REGULATIONS.

07 – HANDLING AND STORAGE

HANDLING:

MEASURES SHOULD BE TAKEN TO PREVENT MATERIALS FROM BEING SPLASHED INTO THE EYES OR ON THE SKIN.

THIS SHOULD INCLUDE THE WEARING OF EYESHIELDS AND PROTECTIVE CLOTHING.

SMOKING SHOULD NOT BE PERMITTED IN AREAS WHERE THEY ARE HANDLED.

SPONTANEOUS COMBUSTION OF CERTAIN PRODUCT SOAKED RAGS HAVE BEEN REPORTED.

MAINTAIN ADEQUATE AIR CIRCULATION IN THE WORKING AREA.

STORAGE:

STORE IN TIGHTLY SEALED AND PREFERABLY FULL CONTAINERS IN A COOL, DRY LOCATION. PROTECT FROM LIGHT. CHECK QUALITY BEFORE USE IF STORED FOR MORE THAN 6 MONTHS. KEEP IN SUITABLE OR ORIGINAL CONTAINER. STORAGE DETAILS ARE IN THE PRODUCT SPECIFICATIONS SHEET.

08 – EXPOSURE CONTROLS / PERSONAL PROTECTION

OCCUPATIONAL EXPOSURE LIMITS:

CHEMICAL COMPONENTS REQUIRING MONITORING IN THE WORKPLACE:

COMPONENT	TYPE	VALUE	BASIS
D'LIMONENE (CAS: 5989-27-5)	8-Hr TWA	30 ppm 165.5 mg/m ³	AIHA Standard

RESPIRATORY PROTECTION:

IN WELL-VENTILATED AREAS, RESPIRATORY PROTECTION IS NOT NORMALLY REQUIRED. IN CONFINED, POORLY VENTILATED AREAS, IT MAY BE REQUIRED.

HAND PROTECTION:

THE USE OF CHEMICAL RESISTANT GLOVES IS RECOMMENDED

EYE PROTECTION:

THE USE OF SAFETY GLASSES IS RECOMMENDED

SKIN PROTECTION:

LIGHT PROTECTIVE CLOTHING IS RECOMMENDED.

VENTILATION:

PROVIDE ADEQUATE VENTILATION; USE LOCAL EXHAUST FAN IF NECESSARY.



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09 – PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: COLORLESS LIQUID
ODOR: CHARACTERISTIC (ODOR THRESHOLD: NOT DETERMINED)

pH: NOT AVAILABLE
MELTING POINT (FREEZING POINT): NOT AVAILABLE
BOILING POINT (BOILING RANGE): NOT AVAILABLE
FLASH POINT (CC) (°C): 47.22°C
EVAPORATION RATE: NOT AVAILABLE
UPPER FLAMMABILITY LIMIT: NOT AVAILABLE
LOWER FLAMMABILITY LIMIT: NOT AVAILABLE
VAPOUR PRESSURE: 1.54mm Hg @ 25°C
VAPOUR DENSITY: 4.7
SPECIFIC GRAVITY (25°C): 0.8408 (TYPICAL)
REFRACTIVE INDEX (20°C): 1.4725 (TYPICAL)
SOLUBILITY: INSOLUBLE IN WATER
PARTITION COEFFICIENT – N-OCTANOL/WATER* NOT AVAILABLE
AUTO-IGNITION TEMPERATURE: 237°C
DECOMPOSITION TEMPERATURE: NOT AVAILABLE
VISCOSITY: NOT AVAILABLE

10 – STABILITY AND REACTIVITY

REACTIVITY:
PRODUCT CAN SLOWLY OXIDIZE WHEN IN CONTACT WITH AIR.

CHEMICAL STABILITY:
STABLE AT NORMAL TEMPERATURES AND STORAGE CONDITIONS

POSSIBILITY OF HAZARDOUS REACTIONS: NOT DETERMINED

CONDITION TO AVOID:
EXCESSIVE HEAT, OPEN FLAMES OR OTHER SOURCES OF IGNITION.

INCOMPATIBLE MATERIALS:
STRONG OXIDIZING AGENTS

HAZARDOUS DECOMPOSITION PRODUCTS: NOT DETERMINED

11 – TOXICOLOGICAL INFORMATION

ROUTE(S) OF EXPOSURE:
INGESTION: LIQUID MAY CAUSE MILD IRRITATION OF GASTROINTESTINAL TRACT INCLUDING ABDOMINAL PAIN, NAUSEA, VOMITING AND DIARRHEA. MAY BE HARMFUL IF SWALLOWED

INHALATION: LIQUID MAY CAUSE IRRITATION OF AIRWAYS. MAY INDUCE SORE THROAT, COUGHING, SHORTNESS OF BREATH, DIZZINESS AND NAUSEA. MAY BE FATAL IF INGESTED AND ENTERS AIRWAYS

SKIN: LIQUID CAUSES MILD SKIN IRRITATION AND MAY CAUSE AN ALLERGIC SKIN REACTION. CHRONIC SYMPTOMS INCLUDE DERMATITIS AND DRYING OF THE AFFECTED AREA.

EYES: LIQUID CAUSES MILD IRRITATION. SYMPTOMS INCLUDE BURNING, REDNESS AND PAIN.

ACUTE TOXICITY:
LD₅₀ (ORAL, RAT) = 4400 mg/Kg
LD₅₀ (DERMAL, RABBIT) = >5000 mg/Kg
LC₅₀ () = NOT DETERMINED



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12 – ECOLOGICAL INFORMATION

ECOTOXICITY:

VERY TOXIC TO AQUATIC ORGANISMS AND TO THE AQUATIC ENVIRONMENT. POTENTIAL FOR BOTH ACUTE AND CHRONIC EFFECTS.

PERSISTENCE AND DEGRADABILITY: NOT DETERMINED

BIOACCUMULATIVE POTENTIAL: NOT DETERMINED

MOBILITY IN SOIL: NOT DETERMINED

OTHER ENVIRONMENTAL ADVERSE EFFECTS: NOT DETERMINED

13 – DISPOSAL CONSIDERATIONS

DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE/PROVINCIAL, FEDERAL AND/OR INTERNATIONAL REGULATIONS.

14 – TRANSPORTATION INFORMATION

BULK SHIPMENT:

UN NUMBER: 2319

UN SHIPPING NAME: TERPENE HYDROCARBONS, N.O.S.

TRANSPORTATION CLASS: 3

PACKING GROUP: III

MARINE POLLUTANT: YES

SPECIAL TRANSPORTATION PRECAUTIONS: N/A

NON-BULK SHIPMENT:

EXEMPTION: 49 CFR 173.150 (f)

15 – REGULATORY INFORMATION

WHMIS CLASSIFICATION:

D2B/B3 COMBUSTIBLE LIQUID

THIS PRODUCT HAS BEEN CLASSIFIED ACCORDING TO THE HAZARD CRITERIA OF THE CPR AND THE MSDS CONTAINS ALL THE INFORMATION REQUIRED BY THE CPR.

CANADIAN INVENTORIES/LISTS:

DOMESTIC SUBSTANCES LIST (DSL):

CYCLOHEXENE, 1-METHYL-4-(1-METHYLETHENYL)-

CAS: 5989-27-5

LISTED AS OF MAY 04, 1994

NON-DOMESTIC SUBSTANCES LIST (NDSL): NOT LISTED

CANADIAN HOT LIST: NOT LISTED

16 – OTHER INFORMATION

PREPARED BY: QUALITY ASSURANCE

CREATION DATE: 2015/05/13

REVISION DATE: 2015/05/13

VERSION NUMBER: 1

DISCLAIMER

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