

**SECTION 01 : CHEMICAL PRODUCT and COMPANY IDENTIFICATION**

**CARTIER CHEMICALS Ltd.**  
**2610A Boul. J B Deschamps, Lachine, Quebec, H8T 1C8, CANADA**

**PRODUCT NAME : GRAFEX 50T**

MANUFACTURER : Same as above  
 PREPARED BY : Production Department  
 TELEPHONE NO. : (514) 637 4631 (800) 361 9432  
 EMERGENCY PHONE NUMBER : As above or call CANUTEC (613) 996 6666

MATERIAL USE : Please refer to technical literature

**SECTION 02 : HAZARDS IDENTIFICATION**

**GHS Classification:** This product is classified as Combustible Liquid Category 4, Skin Irritant Category 2, Skin Sensitizer Category 1, Eye irritant Category 2B, Reproductive Toxicity 1B, Acute toxicity category 5 STOT SE category 3 (Respiratory)

**LABEL Information:**



**Danger**

**Combustible Liquid. Causes skin irritation. May cause an allergic skin reaction. Causes eye irritation. May be harmful if swallowed. May damage fertility or the unborn child.(Skin absorption/Ingestion) May cause respiratory irritation.**

**PRECAUTIONS:** Keep away from heat/sparks/open flames/hot surfaces. - No smoking.. In case of fire use dry chemical or CO2 for extinction.

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves and eye protection. Use personal protective equipment as required. Wash hands thoroughly after handling. Avoid breathing mist / vapours / spray. Avoid contact with skin, eyes and clothing. Contaminated work clothing should not be allowed out of the workplace. If exposed or concerned get medical attention or advice. Use only outdoors or in well ventilated area.

**Response:** IF ON SKIN: Remove immediately all contaminated clothing and wash before reuse. Rinse skin with soap and water/shower. If irritation or rash occurs get medical attention.

IF SWALLOWED: Rinse mouth. Do not induce vomiting. Get immediate medical attention if you feel unwell.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If irritation persists get medical attention.

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if you feel unwell .

Store locked up, in a cool, well ventilated place. Dispose of container in accordance with local regulations.

**SECTION 03 : COMPOSITION / INFORMATION on HAZARDOUS INGREDIENTS**

HAZARDOUS INGREDIENTS	CONC. APPROX.%(wt)	C.A.S #
D-limonene	7 - 13	5989-27-5
Ethylene Glycol Monobutyl Ether	7 - 13	111-76-2
N Methyl Pyrrolidone	10 - 30	872-50-4
Alcohol Ethoxylate	1 - 5	68991-48-0

Any concentration shown as a range is due to batch variation or is to protect confidentiality.

**SECTION 04 : FIRST AID MEASURES**

**INSTRUCTIONS:** For contact with skin, rinse well with soap and water. Remove and wash contaminated clothing before reuse. For eye contact, flush eyes with large amounts of water for 15 minutes. If irritation persists seek medical attention. If ingested, do not induce vomiting ; seek immediate medical attention. In case of inhalation of mist, remove to fresh air.

## PRIMARY SYMPTOMS /ROUTE OF ENTRY:

SKIN CONTACT	May cause irritation or allergic reaction if sensitive
EYE CONTACT	May cause irritation
INHALATION	Mists may cause irritation of nasal passages and respiratory tract
INGESTION	May cause gastrointestinal discomfort or more harmful effects

**SECTION 05: FIRE AND EXPLOSION HAZARD AND FIRE FIGHTING MEASURES**

FLAMMABILITY: Combustible  
 IF YES , UNDER WHICH CONDITIONS: If exposed to flame sources when flash point is exceeded.  
 EXTINGUISHING MEDIA: Foam, CO2 or dry chemical  
 SPECIAL PROCEDURES: Wear SCBA to protect against combustion products generated at highly elevated temperatures  
 HAZARDOUS COMBUSTION PRODUCTS: CO2, CO  
 UNUSUAL FIRE AND EXPLOSION HAZARDS: NIL  
 SENSITIVITY TO MECHANICAL IMPACT: NIL                      SENSITIVITY TO STATIC DISCHARGE: NIL

**SECTION 06: ACCIDENTAL RELEASE MEASURES**

LEAK AND SPILL PROCEDURE: Remove any sources of open flame or spark. Absorb with clay or synthetic material. Remove to residues to outdoors. Ventilate as required. For large spill, contain the spill so as to prevent runoff into sewage system. Recover as much as possible using any convenient means.

**SECTION 07: HANDLING AND STORAGE**

HANDLING PROCEDURES AND EQUIPMENT: Avoid contact with skin, eyes and clothing. Keep container closed when not in use.  
 STORAGE REQUIREMENTS: Store at room temperature away from ignition sources.

**SECTION 08: PERSONAL PROTECTIVE EQUIPMENT / EXPOSURE CONTROLS**

GLOVES / TYPE: Chemical resistant  
 RESPIRATOR / TYPE: Mist filter if spraying.  
 EYE / TYPE: Goggles, especially if spraying  
 CLOTHING /TYPE: Appropriate for the use environment  
 OTHER / TYPE: Have access to eye bath and safety shower  
 ENGINEERING CONTROLS: General ventilation is adequate.  
 CONTROL PARAMETERS: Citrus terpenes - 8hr TWA= 30 ppm (AIHA standard), Butyl Cellosolve OSHA PEL 50 ppm / 240 mg per m3

**SECTION 09: PHYSICAL AND CHEMICAL PROPERTIES**

PHYSICAL STATE / APPEARANCE: Clear amber liquid	ODOUR: Mild Citrus
ODOUR THRESHOLD: < 20 ppm	SPECIFIC GRAVITY : .98
VAPOUR PRESSURE (mm Hg @ 20C): 17.5	VAPOUR DENSITY (Air = 1) : >5
EVAPORATION RATE ( WATER = 1) : < 1	FREEZING POINT (C): 0
BOILING POINT INIT / RANGE (C): 100	SOLUBILITY IN WATER (% W/W): Emulsifies
pH ( % SOLUTION): 8 - 9	% VOLATILE (WT): 85
FLASH POINT (C): 63	FLAMMABILITY: Combustible
LEL / UEL LIMITS (% by vol): LEL: N.Av. UEL : N.Av.	DECOMPOSITION TEMP (C): N.Av.
AUTO IGNITION TEMP(C): N.Av.	VISCOSITY: >100 cSt
PARTITION COEFF. n-octanol/water: N.Av.	

**SECTION 10: STABILITY AND REACTIVITY**

CHEMICALLY STABLE: Yes  
 IF NO, UNDER WHICH CONDITIONS? :  
 INCOMPATIBILITY WITH OTHER SUBSTANCES : Yes  
 IF YES, WITH WHICH ONES? : Strong oxidizing agents, strong acids  
 SPECIAL REACTIVITY AND UNDER WHAT CONDITIONS: N.Av.  
 HAZARDOUS DECOMPOSITION PRODUCTS: N.Av.  
 CONDITIONS TO AVOID: N.Av.  
 SENSITIVITY TO SHOCK, VIBRATION or STATIC DISCHARGE: None.

**SECTION 11: TOXICOLOGICAL INFORMATION**

LC 50 OF MATERIAL, SPECIES AND ROUTE : (111-76-2) LC50 (Rat, 3 h): > 4.9 mg/l  
 LD 50 OF MATERIAL, SPECIES AND ROUTE : > 2.5 gm / kg Rat ATE  
 CARCINOGENICITY OF MATERIAL: No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC, OSHA, NTP, ACGIH  
 REPRODUCTIVE EFFECTS : N-Methyl Pyrrolidone has shown to have reproductive effects in animal tests, suggesting possible human effect.

## PRIMARY SYMPTOMS /ROUTE OF ENTRY:

SKIN CONTACT	May cause irritation or allergic reaction if sensitive
EYE CONTACT	Causes severe irritation
INHALATION	Mists may cause irritation of nasal passages and respiratory tract
INGESTION	May cause gastrointestinal discomfort or more harmful effects
SENSITIZING CAPABILITY OF MATERIAL :	May cause allergic reaction on skin.
SYNERGISTIC MATERIALS :	N.Av.

**SECTION 12: ECOLOGICAL CONSIDERATIONS**

ECOTOXICITY: EC50 Daphnia magna (Water flea): <1 mg/l; 48 h D limonene is toxic to aquatic life.  
PERSISTANCE & DEGRADABILITY: Readily biodegradable.  
BIOACCUMULATIVE POTENTIAL: N.Av.  
MOBILITY IN SOIL: N.Av.  
OTHER ADVERSE EFFECTS: N.Av.

**SECTION 13: DISPOSAL CONSIDERATIONS**

WASTE DISPOSAL : In accordance with municipal, state / provincial and federal regulations

**SECTION 14: TRANSPORT INFORMATION**

T.D.G. CLASSIFICATION : Not Regulated

**SECTION 15: REGULATORY INFORMATION**

GHS CLASSIFICATION: See section 2  
HPR COMPLIANCE: This product has been classified in accordance with the hazard criteria of the GHS and the SDS contains all the information required by the HPR.

**SECTION 16: OTHER INFORMATION**

ABBREVIATIONS USED : N.Av. = No Available Data N.Ap. = Not applicable L(U)EL = Lower(Upper) explosion limit

PREPARATION DATE :15 / 04 / 2020