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DATASHEET

# CARBONIL

## DESCRIPTION:

Regular strength hydrocarbon encapsulation chemical agent. Carbonil chemically binds with hydrocarbons and other oil-based chemicals. This product greatly reduces LEL levels within 12 hours of application (60% reduction within 30 minutes usually). Excellent for use as a pre-treatment for tanks needing entry with high LEL. Moderate cleaning capabilities. Contains deodorant. Moderate foaming capabilities.

## PRODUCT USES & APPLICATIONS

- Tank Cleaning
- LEL Control
- Hydrocarbon Stripping
- Spill Control
- Fire Prevention

## APPLICATION INSTRUCTIONS

| | |
|---|---|
| Dilution Rate | 1:2 to 1:5 with water |
| Set Time | 30 minutes to 24 hours |
| Temperature | Warm water helps stripping |

***Special Instructions:*** *For Scrubbing applications, make sure product has been treated with de-foaming agent.*

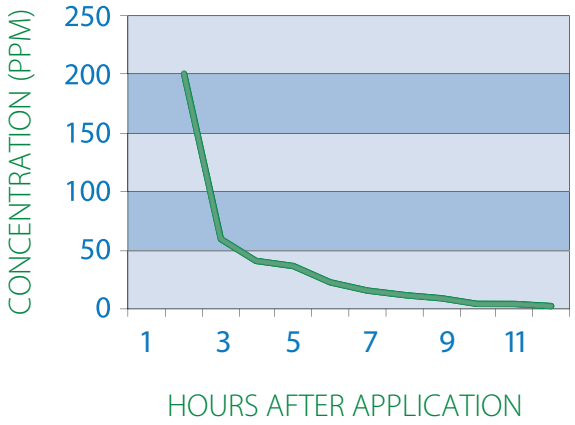
## HAZARDOUS INFORMATION

| | |
|---|---|
| Specific Hazard | Eye and skin irritant |
| Flash Point (°F) | Above 220° |
| Biodegradability | Excellent |
| pH | 10.5 to 11.5 |
| Unusual Hazards | None |

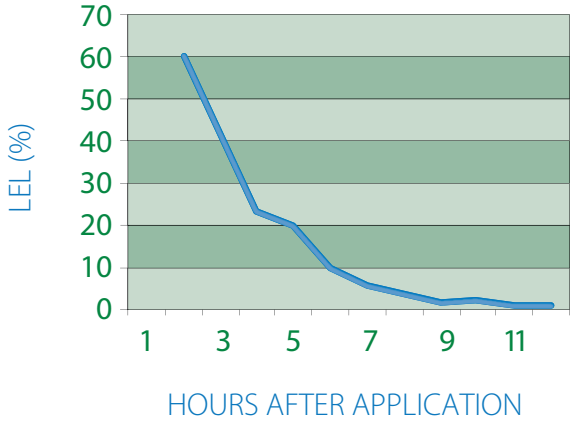
## PACKAGING INFORMATION

| | |
|---|---|
| Available Quantities | 5,30,55,275 and bulk |
| Packaging Material | Poly |
| Other Information | Do not let product freeze |

## BENZENE PPM LEVELS




## LEL LEVEL %




# GHS SAFETY DATA SHEET
# 'CARBONIL'

## SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

Product Name..... CARBONIL
Chemical Use..... Hydrocarbon Encapsulator
Chemical Family..... Mixture
Issue Date of SDS..... 01/01/18
Revision Date of SDS..... 01/31/22

**MANUFACTURER:**

**Vapor Technologies, Inc.**
7200 Williams Street
Hitchcock, TX 77563
(409) 316-0173
www.vapor-tech.net

**EMERGENCY TELEPHONE NUMBER: (877) 840-0646**

## SECTION 2 - HAZARDS IDENTIFICATION

**GHS CLASSIFICATION: NON-HAZARDOUS**

| Health | | Environmental | Physical |
|---|---|---|---|
| Skin Corrosion/Irritation: | Category 3 | None Known | None Known |
| Eye Damage/Irritation: | Category 2B | | |

**GHS LABEL:**

**NO SYMBOL**

**SIGNAL WORD:**

**WARNING**

| Hazard Statements | Precautionary Statements |
|---|---|
| H316: Causes mild skin irritation. | P264: Wash hands thoroughly after handling. |
| H320: Causes eye irritation. | P305 + P351 + P338: If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| | P332 + P313: If skin irritation occurs: Get medical advice/attention. |
| | P337 + P313: If eye irritation persists: Get medical advice/attention. |

| | NFPA |
|---|---|
| Health | 1 |
| Flammability | 0 |
| Reactivity | 0 |
| Special Notice | - |

| HMIS | | |
|---|---|---|
| 1 | Health | 0 - Minimal |
| 0 | Flammability | 1 - Slight |
| 0 | Physical Hazard | 2 - Moderate |
| B | PPE | 3 - Serious |
| | | 4 - Severe |
| | | B - Safety Glasses & Gloves |

## SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

| INGREDIENTS | CAS# | CONCENTRATION |
|---|---|---|
| **Non-Ionic Surfactant** | **9016-45-9** | **10%** |
| **MEA** | **9007-33-4** | **5-9%** |
| **Fragrance** | **N/A** | **<1%** |

## SECTION 4 - FIRST AID MEASURES

Eye Contact..... Immediately flush eyes with plenty of water. Get medical attention if irritation develops or persists.
Skin Contact..... Remove contaminated clothing. Wash skin with soap and water. Get medical attention if irritation develops or persists.
Inhalation..... If exposed to excessive levels of fumes, remove to fresh air. Get medical attention if cough or other symptoms develop.
Ingestion..... **DO NOT INDUCE VOMITING!** Drink one or two glasses of water and get medical attention immediately!

## SECTION 5 - FIREFIGHTING MEASURES

Suitable Extinguishing Media: ..... Use foam, carbon dioxide, or water spray to extinguish flames.
Unsuitable Extinguishing Media:..... No further relevant information available.
Combustion Products: ..... None.
Fire Fighting Instructions..... As with any fire, wear sealed contained breathing apparatus, pressure demand MSHA/NIOSH (approved or equivalent) and full protective gear. Water runoff may cause environmental damage. Dike and collect water used to fight fire.

Personal Precautions:..... Prevent contact with skin and eyes. See Section 8.

Environmental Precautions..... Prevent entry of product into drains, sewers, surface or ground water.

Methods for Cleaning Up:..... Clean up spills immediately. Absorb spill with inert material (e.g., dry sand or earth), then place in a suitable container for disposal.

## SECTION 7 - HANDLING AND STORAGE

Handling:..... Avoid contact with eyes, skin and clothing. Do not eat, drink or smoke when using this product. Wear protective gloves, clothing and eye protection when handling this product. Use in well ventilated areas.

Storage..... Store in cool place in original container and keep away from direct sunlight. Keep container closed when not in use.

Shelf-Life..... One to two years normally.

Storage Temperature..... 5 - 43°C (41 - 110°F)

## SECTION 8 EXPOSURE CONTROL / PERSONAL PROTECTION

**EXPOSURE LIMITS:**

| Component | ACGIH (TLV) | ACGIH (STEL) | OSHA (PEL) |
|---|---|---|---|
| Non-Ionic Surfactant | Not Known | Not Known | Not Known |
| MEA | Not Known | Not Known | Not Known |

Engineering Controls..... Good general ventilation should be sufficient to control airborne levels.

**Personal Protective Equipment (PPE):**

Eye Protection..... Wear safety-goggles with side shields (or goggles). Contact lenses should not be worn.

Skin Protection..... Wear chemical resistant gloves.

Respiratory Protection..... For most situations, no respiratory protection is necessary.

General Hygiene Consideration..... There are no known health hazards associated with this product when used as recommended.

The following general hygiene considerations are recognized as common, good industrial hygiene practices:

- Wash hands after use and before eating.
- Avoid breathing vapors.
- Wear safety glasses and gloves.

Exposure Limits..... Not established for product as whole.

## SECTION 9 - PHYSICAL & CHEMICAL PROPERTIES

Appearance..... Clear to slightly orange liquid.

Odor..... Pleasant fragrance.

Vapor Pressure..... Not Determined.

Odor Threshold..... Not Determined.

Vapor density..... Not Determined.

pH..... 10.2 - 10.8

Relative Density..... Not Determined.

Melting point/Freezing point:..... Not Determined / 30°F

Solubility in water..... 100%

Initial boiling point and range..... 220°F / Not Determined.

Flash Point..... None.

Evaporation rate..... Slightly greater than water.

Flammability (solid, gas):..... Not Flammable.

Upper/Lower flammability or explosive limits:..... Not Established.

Partition coefficient..... Not Determined.

Auto igniting temperature..... Not Determined.

Decomposition temperature..... Not Determined.

Viscosity..... Not Determined.

Specific Gravity (water = 1)..... 1.05

## SECTION 10 - STABILITY & REACTIVITY

Reactivity..... No dangerous reaction known under conditions of normal use.

Chemical Stability..... Stable.

Hazardous Polymerization..... Will not occur.

Incompatibilities..... May etch aluminum and zinc.

Decomposition Products..... None Determined.

**Likely Routes of Exposure:**..... Inhalation, Eye and Skin Contact

**Acute symptoms and effects:**

Eye..... May cause mild irritation and burning.

Skin..... Prolonged or repeated exposure may cause irritation.

Ingestion..... May be harmful if swallowed.

Inhalation:..... Prolonged or repeated exposure may cause irritation.

Chronic Exposure:..... Based on available data, repeated exposures are not anticipated to cause additional significant adverse effects.

| **Toxicity Data:** | **LD50** | LC50 |
|---|---|---|
| | Not Known | Not Known |

Carcinogenicity..... Not a known carcinogen.

## SECTION 12 - ECOLOGICAL INFORMATION

Ecotoxicity:..... No further relevant information available.

Mobility in soil:..... No further relevant information available.

Degradability:..... Expected to readily biodegrade.

Bioaccumulation:..... No further relevant information available.

## SECTION 13 - DISPOSAL CONSIDERATION

CARBONIL is not considered a hazardous waste under Federal Hazardous Waste Regulations 40 CFR 261. Please be advised, however, that state and local requirements for waste disposal may be more restrictive or otherwise different from federal regulations. Consult state and local authorities regarding the proper disposal of this material.

(Note: Adding chemicals, processing or otherwise altering this material may make the waste management information presented in this SDS incomplete, inaccurate, or or otherwise inappropriate).

## SECTION 14 - TRANSPORTATION INFORMATION

| | | | |
|---|---|---|---|
| **A.** | **USA:** | **UN Number**..... | Not Regulated. |
| | **D.O.T** | **UN Proper Shipping Name**..... | Not Regulated. |
| | | **Packaging group**..... | Not Regulated. |
| | | **Technical Shipping Name**..... | Liquid detergent. |
| | | **D.O.T. Label**..... | Not Regulated. |
| | | **D.O.T. Placard**..... | Not Regulated. |
| | | **Freight Class Package**..... | Class 55 |
| **B.** | **CANADA:** | **TDG**..... | Not Regulated. |
| **C.** | **ENGLAND:** | **Approved Carriage List**..... | Not Regulated. |

## SECTION 15 - REGULATORY INFORMATION

| | | | |
|---|---|---|---|
| **A.** | **USA:** | **TSCA Status**..... | All ingredients listed on TSCA Inventory. |
| | | **SARA TITLE III, 302/303 EHS**..... | None |
| | | **SARA TITLE III, 304 HS**..... | None |
| | | **SARA TITLE III, 311/312**..... | None |
| | | **SARA TITLE III, 313**..... | None |
| **B.** | **CANADA:** | **DSL/NDSL**..... | All ingredients are listed. |
| | | **WHMIS**..... | Not Classified. |
| **C.** | **EC:** | **EINECS**..... | All ingredients are listed. |

## SECTION 16 - OTHER INFORMATION

For details on specific requirements, you should contact the appropriate agency in your state.

While Vapor Technologies Inc. believes the information contained herein to be true and accurate, it has relied on information provided by others. Vapor Tech makes no warranties, expressed or implied, as to the accuracy of the information contained herein or with respect to the results to be obtained from the use of this product. Vapor-Tech disclaims all liability with respect to the use of this product, including without limitation, liability for injury to the user or third-party persons.

**Approval Date:** **1/31/2022**