

DESCRIPTION

Super-concentrated hydrocarbon encapsulation chemical agent. Carbonil XT 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
- · Spill Control
- · LEL Control
- Fire Prevention
- Hydrocarbon Stripping

APPLICATION INSTRUCTIONS

Dilution Rate 1:5 to 1:20 with water Set Time 30 minutes to 24 hours Special Instructions Warm water helps stripping

Special Instructions: For scrubbing applications, make sure product has been treated with defoaming agent.

HAZARDOUS INFORMATION

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

PACKAGING INFORMATION

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

CASE STUDY & APPLICATION INFO

March 12, 2002 South Texas Plant Operation

Carbonil XT was used during and EDC tank cleaning operation to lower LEL in a storage tank. Carbonil XT was diluted 1:15 with water and then applied to tank walls. Eight hours later LEL was less then 1% and the tank was safely entered.

August 2016: Robinson, IL Refinery

Carbonil XT was being used in one of Vapor Tech's SST-40 packed column vapor scrubbers at a refinery in Illinois. Vapors were being emitted from an oil-water separator. Customer was using straight carbon to control vapors prior to installing the Vapor Tech scrubber using the Carbonil XT chemical media. Customer informed Vapor Tech they have been saving over \$12,000 per week in carbon media related costs. System is now permanently installed into the process due to the cost savings.





GHS SAFETY DATA SHEET 'CARBONIL XT'

SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

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

<u>Health</u>		<u>Environmental</u>	<u>Physical</u>
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.

	<u>NFPA</u>
Health	1
Flammability	0
Reactivity	0
Special Notice	-

<u>HMIS</u>		0 - Minimal
1	Health	1 - Slight
0	Flammability	2 - Moderate
0	Physical Hazard	3 - Serious
В	PPE	4 - Severe
		B - Safety Glasses & Gloves

SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENTS	CAS#	CONCENTRATION
Non-Ionic Surfactant	9016-45-9	20%
MEA	9007-33-4	10-18%
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.

SECTION 6 - ACCIDENTAL RELEASE MEASURE	Page 2	CARBONIL XT
Personal Precautions: Prevent contact with skin and eye	es. See Section 8.	
Environmental Precautions Prevent entry of product into drai	ins, sewers, surface or ground	water.
Methods for Cleaning Up: Clean up spills immediately. Abso	orb spill with inert material (e.	g., dry sand or earth), then place in a suitable container
for disposal.		

SECTION 7 - HANDLING AND STORAGE

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):

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	10.5 - 11.5
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

SECTION 11 - TOXICOLOGICAL INFORMATION

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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: <u>LD50</u> <u>LC50</u>

Not Known Not Known

Carcinogenicity...... Not a known carcinogen.

SECTION 12 - ECOLOGICAL INFORMATION

SECTION 13 - DISPOSAL CONSIDERATION

CARBONIL XT 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

SECTION 15 - REGULATORY INFORMATION

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.

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