

IDENTITY (As Used on Label and List)	NFPA	ACUTE HEALTH	FIRE	REACTIVITY
Cement-Off Concrete Dissolver		2	0	0

SECTION 1

MANUFACTURER'S NAME TITAN LABORATORIES	EMERGENCY TELEPHONE NUMBER SEE BELOW OR 800-255-3924 EMERGENCY ONLY
ADDRESS 2935 IRVING BLVD. STE. 209 MOUNTAIN VIEW, CA 94043	TELEPHONE NUMBER FOR INFORMATION 214-638-1200 OR 800-475-3300
	DATE PREPARED January 1, 2012

SECTION 2 --- HAZARDOUS INGREDIENTS/IDENTIFY INFORMATION

HAZARDOUS COMPONENTS (Specific Chemical Identity; Common Name(s))	OSHA PEL	ACGIH TLV	% (optional)
Glycolic Acid CA # 79-14-1	None	None	< 20%

SECTION 3 --- PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING POINT: 212°F	SPECIFIC GRAVITY (H ₂ O = 1) 1.087
VAPOR PRESSURE (MM HG): 20 mm	MELTING POINT: N/A VOC (see section 9)
VAPOR DENSITY (AIR = 1): N/A	EVAPORATION RATE: > 1
SOLUBILITY IN WATER: 100% COMPLETE	pH: 3.5

Appearance / Odor: Colorless Liquid / Slight Detergent Odor

SECTION 4 --- FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (METHOD USED) NONE	FLAMMABLE LIMITS	LEL	NA	UEL	NA
EXTINGUISHING MEDIA: NONE REQUIRED					
SPECIAL FIRE FIGHTING PROCEDURES NONE					

UNUSUAL FIRE AND EXPLOSION HAZARDS **NONE**

SECTION 5 --- REACTIVITY DATA

STABILITY : **STABLE**
 INCOMPATIBILITY (Materials to Avoid) : **Strong Alkalites, hypochlorites and other oxidizing agents.**
 HAZARDOUS DECOMPOSITION OR BYPRODUCTS: **None**

SECTION 6 --- HEALTH HAZARD DATA

ROUTE(S) OF ENTRY:	INHALATION?	SKIN?	INGESTION?
	If misted	No	YES

HEALTH HAZARDS (Acute and Chronic) **Contact with the concentrate will cause eye irritation. Misting and inhaling the mist can cause nose, throat, and lung irritation. Prolonged skin contact can cause skin irritation.**

CARCINOGENICITY:

NTP?

NONE

IARC MONOGRAPHS?

NONE

OSHA REGULATED?

NO

SIGNS AND SYMPTOMS OF EXPOSURE: **Eye contact with the concentrate causes severe irritation. Ingestion causes gastrointestinal track irritation and severe diarrhea.**

SECTION 7 --- EMERGENCY FIRST AID PROCEDURES

Wash from eyes with water until irritation stops. If it persists see a physician. If ingested in large quantities drink lots of water and see a physician. If skin or clothing contact with the concentrate occurs, wash skin with water and was clothing before reuse.

Section 8 --- Spills and Waste Disposal

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED **Neutralize large quantities and sewer. Sewer small quantities and wash down with lots of water. Biodegradable.**

WASTE DISPOSAL METHOD **Sewer or neutralize and sewer if quantities are large. Material is nontoxic and readily biodegradable. Small quantities of the used diluted cleaner can be washed to ground because it is nontoxic and rapidly biodegraded. Small quantities can also be sent to a sanitary sewer system as a nontoxic substance.**

Not a CERCLA Hazardous Substance. Pure glycolic acid the active component in cleaner meets the requirements for 100 pound spill reporting. Cleaner conitrite would require a 300 pound spill to require reporting.

SECTION 9 --- SAFE HANDLING & STORING

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING **Store in closed containers at 25-120° F**

HANDLING AND OTHER PRECAUTIONS: **Wear gloves to avoid skin contact when diluting concentrate for use. Apply the diluted cleaner with a cotton window cleaning applicator or a coarse spray to avoid misting. Avoid skin or eye contact.**

SECTION 10 --- CONTROL MEASURES

RESPIRATORY PROTECTION (Specify Type) **None required when applied by applicator or coarse spray as directed without misting. If misting can not be avoided, wear OSHA approved respiratory mask and goggles for eye protection.**

VENTILATION **None required when used as directed. If misted, wear goggles and respiratory protection.**

PROTECTIVE GLOVES **Gloves if skin contact cannot not be avoided when handling the concentrated. Gloves OK but not required.**

EYE PROTECTION **Glasses or goggles if misted.**

OTHER PROTECTIVE CLOTHING OR EQUIPMENT **Eye wash fountain. Gloves if skin contact can not be avoided with the concentrate.**

WORK/HYGIENIC PRACTICES **Normal cleanliness. Wash after working with cleaner and before meals.**

SECTION 11 --- DISPOSAL AND SHIPPING INFORMATION

Disposal: **Neutralize large spills with lime or soda ash then flush area with plenty of water. Small quantities can be flushed to a sanitary sewer for rapid biodegradation. If more than 350 lbs of the cleaner concentrate is spilled and not neutralized or cleaned up, it may trigger the spill reporting requirements of CERCLA Section 103.**