



**ADVANCED
CHEMICAL**
TECHNOLOGIES, INC.

SAFETY DATA SHEET

SECTION 1

MATERIAL IDENTIFICATION

PRODUCT NAME / DESCRIPTION: CLEAN-ACT® BIO-CLEAN

DISTRIBUTED / MANUFACTURED BY:
Advanced Chemical Technologies, Inc.
9608 N Robinson
Oklahoma City, OK 73114

Date: 9/23/2015 (Version 1)
Phone: (405) 843-2585
Emergency Phone: (800) 255-3924

FUNCTION: Industrial Cleaner

SECTION 2

HAZARD IDENTIFICATION

CLASSIFICATION:

Acute Toxicity: Oral:	Category 3
Skin corrosion/irritation:	Category 2
Eye damage/eye irritation:	Category 2A
Skin sensitizer:	Category 1
Respiratory sensitizer:	Category 1
Carcinogen: DDBSA	Category 1A
Target Organ Specific Toxicity: Single:	Category 3
Aquatic Toxicity: Acute:	Category 3

SIGNAL WORD:

WARNING!

HAZARD STATEMENTS:

Toxic if swallowed
Causes serious eye irritation
Harmful to aquatic life
May cause cancer

Causes skin irritation
May cause an allergic skin reaction
May cause respiratory irritation
May cause allergy or asthma symptoms or breathing difficulties if inhaled



PRECAUTIONARY STATEMENTS:

Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Use personal protective equipment as required.
Avoid breathing dust, fumes, gas, mist, vapors or spray.
Use only outdoors or in a well ventilated area.
Wash all exposed skin thoroughly after handling.
Avoid release to the environment.
Store in a well ventilated place.

Toxicity:
See section 11

SECTION 3

HEALTH HAZARDS

<u>Chemical Name</u>	<u>CAS No.</u>	<u>% W/W</u>
Benzenesulfonic acid, C10-16 alkyl derivative	68584-22-5	< 10
2-Butoxy-2-Propanol	5131-66-8	< 10
Isopropanol	67-63-0	< 10
Potassium Hydroxide (Proprietary Formula)	1310-58-3	< 5

SECTION 4

FIRST AID MEASURES

Potential acute health effects:

Eyes:	May cause irritation with redness and pain.
Skin:	May cause irritation with redness and pain.
Inhalation:	May cause irritation.
Ingestion:	May cause severe irritation, corrosion, ulceration, nausea and vomiting.
Medical conditions aggravated by exposure:	None known.
Eye contact:	Immediately flush eyes with cool running water. Lift and separate eye lids while flushing with plenty of water for at least 15 minutes. Get medical attention.
Skin contact:	Wash with soap and water. Get medical attention if irritation occurs. Wash clothing before reuse. Destroy contaminated shoes.
Inhalation:	Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek medical attention if symptoms develop.
Ingestion:	No NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Give plenty of water.

SECTION 5

FIRE FIGHTING MEASURES

Fire hazard classification (OSHA/NFPA):	0
Extinguishing media:	As required for fire being fought.
Special fire fighting procedures:	Use self-contained breathing apparatus.
Hazardous combustion products:	None known.

SECTION 6

ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:

Containment procedures:	Wear protective clothing as described in Section 8 of this Safety Data Sheet. Stop the flow of material, if this is without risk. Wear appropriate protective equipment and clothing during clean up.
Clean up procedures:	Do not allow the spilled product to enter public drainage system or open water sources. Sweep up or gather material and place in appropriate container for disposal. Wash spill area thoroughly. Wear appropriate protective equipment during clean up. Dispose of collected material according to regulations.

SECTION 7

HANDLING AND STORAGE

Handling:	Avoid contact with eyes, skin and clothing. Do not take internally. For industrial use only. Wash after handling.
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Storage:

Do not breathe dust, vapor or gas.
Keep this and all chemicals out of reach of children.
Keep away from heat, sparks, and open flames.
Prevent spills.
Keep container tightly closed and in a cool, well ventilated place away from incompatible materials.
Empty product containers may contain product residue, do not reuse.

SECTION 8**EXPOSURE CONTROLS/PERSONAL PROTECTION****Ventilation system:**

Always keep exposure below permissible exposure limits.
In general, dilution ventilation is a satisfactory health control for this substance. However, if conditions of use create discomfort to the worker, a local exhaust system should be considered.

Airborne exposure limits:

None established.

Personal protection:

As prescribed in the OSHA Standard for Personal Protective Equipment (29 CFR 1920.132), employees must perform a Hazard Assessment of all workplaces to determine the need for, and selection of, proper protective equipment for each task performed.

Eyes:

Wear face shield, safety glasses or chemical goggles.

Hands and skin:

For prolonged or repeated handling, use impervious gloves. Gloves should be tested to determine suitability for prolonged contact. Use of impervious apron and boots are recommended.

Respiratory:

If ventilation is not sufficient, appropriate NIOSH/MSHA respiratory protection must be provided.

Work practices:

Eye wash fountain and emergency showers are recommended.

SECTION 9**PHYSICAL AND CHEMICAL PROPERTIES**

Appearance:	Liquid
Color:	Blue
Odor:	Lemon
Odor Threshold:	No data available
pH:	10.5+/-0.5
Boiling point:	No data available
Melting point:	No data available
Flash Point:	> 200° F
Evaporation Rate (Butylacetate=1):	No data available
Flammability (solid, gas):	Non-Flammable
Upper Explosion Limit (UEL):	No data available
Lower Explosion Limit (LEL):	No data available
Vapor Pressure:	No data available
Vapor Density:	No data available
Specific gravity (Water=1):	1.05+/-0.05
Solubility water:	Complete
Partition coefficient:	No data available
Auto ignition Temperature:	No data available
Decomposition Temperature:	No data available
Viscosity (CPS):	No data available

SECTION 10**STABILITY AND REACTIVITY**

Stability:	This product is stable under normal temperatures and pressures.
Incompatibility:	Strong oxidizers and strong acids.
Decomposition products:	No known hazardous products.
Conditions to avoid:	Sparks, flames, high heat.

SECTION 11**TOXICOLOGICAL INFORMATION**

Raw Material	Test	Result	Route	Species
Benzenesulfonic acid, C10-16 alkyl derivative (68584-22-5)	LD50	530 mg/kg	Oral	Rat
2-Butoxy-2-Propanol (5131-66-8)	LD50	2700 mg/kg	Oral	Rat
Isopropanol (67-63-0)	LD50	400 mg/kg	Oral	Rat
Potassium Hydroxide (1310-58-3)	LD50	273 mg/kg	Oral	Rat

See Section 4 for symptoms

Carcinogenicity: IARC has classified "strong inorganic acid mists containing sulfuric acid" as a known human carcinogen based on human evidence. This classification applies only to mists containing sulfuric acid and not to sulfuric acid or sulfuric acid solutions.

Mutagenicity: No known mutagens.

Reproductive Toxins: None known.

SECTION 12

ECOLOGICAL INFORMATION

Raw Material	Test	Result	Time	Species
2-Butoxy-2-Propanol (5131-66-8)	LC50	560 mg/L	96 hr	Guppy
Isopropanol (67-63-0)	LC50	> 5000 mg/L	96 hr	Carassius Auratus
Potassium Hydroxide (1310-58-3)	LC50	80 mg/L	24 hr	Mosquito Fish
Persistence and degradability:	No data available			
Bioaccumulation potential:	No data available			
Mobility in soil:	No data available			

SECTION 13

DISPOSAL CONSIDERATIONS

Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste disposal facility. Processing, use or contamination of this product may change the waste management conditions. State and local disposal regulations may differ from federal disposal regulations. Dispose container and unused contents in accordance with federal, state and local requirements.

SECTION 14

TRANSPORT INFORMATION

Not regulated.

SECTION 15

REGULATORY INFORMATION

US FEDERAL REGULATIONS

SARA (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT):

SARA 302: Extremely hazardous substances list: NA

SARA 312: Hazard category: NA

SARA 313: Toxic chemicals list: NA

CERCLA (COMPREHENSIVE ENVIRONMENTAL RESPONSE COMPENSATION AND LIABILITY ACT): NA

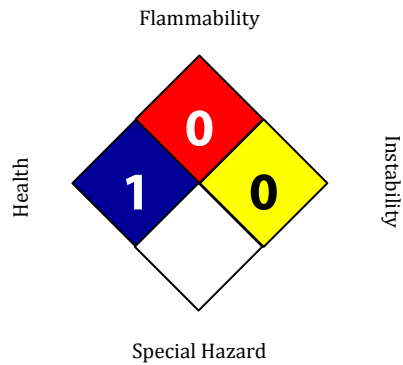
RCRA (RESOURCE CONSERVATION AND RECOVERY ACT) LISTED HAZARDOUS WASTES: NA

CWA (CLEAN WATER ACT) LISTED SUBSTANCES: NA

FDA (FOOD AND DRUG ADMINISTRATION): NA

TSCA (TOXIC SUBSTANCES CONTROL ACT): NA

NFPA:



HMIS III:

HEALTH	1
FLAMMABILITY	0
PHYSICAL HAZARD	0

0 = not significant

1 = slight

2 = moderate

3 = high

4 = extreme

*** = chronic**

THIS INFORMATION IS OFFERED IN GOOD FAITH AS TYPICAL VALUES AND NOT AS A PRODUCT SPECIFICATION. NO WARRANTY, EXPRESSED OR IMPLIED, IS HEREBY MADE. THE RECOMMENDED INDUSTRIAL HYGIENE AND SAFE HANDLING PROCEDURES ARE BELIEVED TO BE GENERALLY APPLICABLE. HOWEVER, EACH USER SHOULD REVIEW THESE RECOMMENDATIONS IN THE SPECIFIC CONTEXT OF THE INTENDED USE AND DETERMINE WHETHER THEY ARE APPROPRIATE.