Material Safety Data Sheet

Complies with OSHA's Hazard Communication Standard 29 CFR 1910.1200

NFPA Fire: 0 Health: 3

Reactivity: 0

SECTION I - IDENTITY AND MANUFACTURER'S INFORMATION Manufacturer's Name, Address Franklin Cleaning Technology - PO Box 214 Great Bend KS 67530 Product Name: Q-128 Product Number: F2480 Chemical Family: Aqueous solution of surfactants & builders Package Size: 1,5,55 Gal EPA Reg. No: 47371-130-1124 Emergency Telephone No. 620-792-1711 Preparer: Bill Dayton Date: 03/04/02 Signature: SECTION II - HAZARDOUS INGREDIENTS IDENTITY INFORMATION Hazardous Components CAS# **OSHA TWA ACGIH TWA** Percent Didecyl dimethyl ammonium chloride 7173-51-5 NE NE 5.07 n-Alkyl dimethyl benzyl ammonium chloride 8001-54-5 NE NE 3.38 *Water 7732-18-5 *Octyl dimethyl amine oxide 2605-78-9 *Sodium EDTA 64-02-8 SECTION III - PHYSICAL AND CHEMICAL CHARACTERISTICS No Physical Hazards Flammable Gas Flammable Liquid/Solid Water Reactive Combustible Flammable Aerosol Pyrophoric Oxidizer Compressed Gas Explosive Unstable - Reactive: Organic Peroxide Boiling Point, °F: 212F Solubility in Water: Complete Evaporation Rate: 1 Vapor Pressure: Unknown Specific Gravity (water =1): 1.001 pH: 7.7 Vapor Density: Unknown %Volatiles by Weight: 89.3 Appearance and Odor: Green liquid with fragrance. SECTION IV - FIRE AND EXPLOSION HAZARD DATA Flash Point (Method): None Flammable Limits: LEL: n/a UEL: n/a Extinguishing Media: n/a Special Fire None Fighting Procedures: Unusual Fire and None **Explosion Hazards:** SECTION V - REACTIVITY DATA Stability: Unstable Conditions to Avoid: n/a Stable | x Incompatability: Mix only with water. (Materials to Avoid) Hazardous Decomposition None Products or Byproducts: Hazardous Polymerization: May Occur: Will Not Occur: X Conditions to Avoid: Comments: *Added to comply with the Pennsylvania Worker Right to Know Act of 1984 and the New Jersey Worker & Community Right To Know Act of 1983.

SECTION VI - HEALTH HAZARD DATA
Route (s) of entry: Inhalation Skin: X Eye: X Ingestion: X
No Health Hazard Reproductive toxin Sensitizer Carcinogen
Highly Toxic Corrosive x See Target Organs x
TARGET ORGANS Lungs
Carcinogenicity: None Known x NTP: IARC: OSHA Regulated
Medical Conditions Generally Aggravated by Exposure: None known
Signs and Symptoms of Exposure: Corrosive. Causes irreversible eye damage and skin burns. Harmful if swallowed.
Emergency and First Aid Procedures: If in eyes, hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing. Call a physician. If on skin or clothing, take off contaminated clothing. Rinse skin immediately for 15-20 minutes. If swallowed, call a poison control center or doctor immediately for treatment advice.
SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE
Steps to be taken in case material is released or spilled: Small spill: Mop up, rinse with water. Large spill: Mop up, absorb with an inert, dike or turn container over as applicable.
Waste Disposal Method: Small amount: Place in plastic bag with absorbent & discard in trash container. Large amount: Dispose in accordance with Local, State & Federal Regulations.
Potential EPA Hazardous Waste Code(s): n/a
Steps to be taken in handling and storage: Protect from freezing. Store at 40 - 90 F. Read and follow label use directions. Keep out of reach of children.
SECTION VIII - CONTROL MEASURES
Respiratory Protection(Specify Type): None required
Ventilation: Local Exhaust: Special: Mechanical: None required
Protective Gloves: Required Eye Protection: Required
Other Protective Clothing and Equipment: None required
SECTION IX - SHIPPING INFORMATION
DOT Proper Shipping Name and Number: 1 gallon - Consumer Commodity, ORM-D. 5 & 55 gallon - Disinfectant, Corrosive Liquid, N.O.S. (Quaternary Ammonium Chlorides), 8, UN1903, PGIII
NE = Not Established N/A = Not Applicable



ONE-STEP GERMINDAL DETERGENT AND DEODORANT

PRODUCT DESCRIPTION:

An EPA registered virucide-fungicide-mildewstat, hospital grade disinfectant designed for use on all hard non-porous surfaces such as floors, walls, counters, metal surfaces, stainless steel, glazed porcelain and plastic surfaces. Q-128 is a broad spectrum disinfectant effective against bacteria, viruses, fungi, mold and mildew. Because of its neutral pH it is excellent for use on floors, disinfects without removing or dulling finish gloss.

FEATURES:

EPA Registered:

Q-128 is effective against a broad spectrum of bacteria. It is virucidal (including HIV-1) and fungicidal. Inhibits the growth of mold and mildew and their odors when used as directed. Safe for use on all floor polishes. It will not dull or remove finish. Effective against a variety of animal related pathogens and is excellent for use in veterinary clinics, animal shops, kennels and more.

Effective Cleaner/Disinfectant:

It is effective in hard water up to 400 ppm (calculated as CaCO₂) in the presence of a moderate amount of soil (5% organic serum) according to the AOAC use-dilution test.

Reduces Labor:

Specially formulated detergent system provides excellent wetting penetration and removal of soils. Leaves surfaces clean. No streaks or hazing.

PRODUCT SPECIFICATIONS:

~~	23.3	XXX	CKK.	XXX	xxx	222	RKK	7.4.	eren.	260	erex	44.	< X X	X X.	6.64	222	885	(33	233	323	88	443	122	XX.	889	cvv	77	×××	88	277	77	883	773	777	277	885	775	222	223	ever.	775	222	883	: vivir	222	277	2223	283	888	NO.	22.23	2888	0.70
100	44.4			***		~~		A	cex.	660	exx	200	CAN	X X 1	6.57	48.8	660	< × ×	4.4.	***	1.1	××:	. * *	. * *	X X 7	33.3	2.2	223	33	***	YY:	66.	277	241	775	223	288	4.7.4	×××	88	775	888	333		4××	XXX	222	100		K K T	12.00	* *	
0.31	4.1	- 01	. 111	LUE.	211	70		Y .	C C	××	***	XX.	< × ×	× ×	~ V.	: XX	***	. ~ ~	XX	: < <	2.4	333		**	44.	e vy v	2.5	333	**	933	XX	883	***	**	***	XX.	27	X 2.2	333	1××.	***	333	XXX	XXX	227	***	222		* * *			SKY?	٠.
~~	44.4	37.	444.	र⊀र	44.4	44.4	***	3.4	CK YE	44	4.4.4	4.	44.4	11.7																												* * *	3.33			***			***				ć×.
	2.		A	***	43.X	4.44	Y. Y.	× 7.	(. v.	44.	CXX	44.	. Y Y	X 22.	44.4	crr	444	(44	44.	< < <	××.	**.	:	***	**	< % ×	X.X.	888	* *	444	×	44.	***	***	44X	***	27.7	* * *	***		< X X	444	**	W.Y.	7 Y Y	***	***	Y.Y.	* * *	***	X 47.	: 44.5	2٧
-	31.1	V-10		***		W. 8		ŧυ		zz,	eww	A.C.	< × ×	44.		:××	~ V V	:××	243	5 N N	**	44.		**	44.	4×4	× 3.	***	3.X.	8 R R	**	××-	** ×	×	***	22.	: '< '<	***	24.	(/ . r.	cvc	283	**	····	3.8	2.4.4	***	- 2	4.4.4	K 3.	1.0	* *	e e
	46.4	ቴድ፣	200	HI.	11.	48.2	1.3	ኅብ		4 4.	. ~ .	4.4	2.7.7	***		643	44.	ev v	X.X.	cer	44	44.	27	2.4	381	c ne v	2.5	444	X X.	999	88	**	C 74 75	24.	848	***	* × *	***	**	: ٧ % '	44.5	444	883	ww.	***	888	***	* * *		44	-	26.43	4:
40.00	7.1		11.1			₹.	444	-τ~	OK AL	A. C.		4.			e e				110		4.4	****	133				7.	7 : 1	3.5		7.5	•	t v t	250	ctv.	2.4	7.7	マママ	44.		373	የ ላየ	4.64			X . Y	100	. v. v.		333			Čα
***	***	***	444.		444	X X X	444	440	\$44.	44.	< 4.4	44	< × ×	44.	44.	~~~	240	(* *	××.	: X X	84.	~~,	123	**	**	< 4×	77	444	XX	484	YY	223	***	400	277	883	2 7 7	XXX	885	CAK.	277	888	444	XX.	27	XXX	***	XX	444	3333	XX.	: 22.4.5	22
*	~~	ži X			***	446	444	**	6.K. K.	***	844	4 Z.		2.5	4.44	377	44.	:××	2.50	C 22 22	* * *	44.		**	44.	C 14 14	X.X.	V 2 7	3 X	999	77	25	(Y V	233	C44	***	275	777	441	47.	222	255	3.42	WW.	27.75		22.73			N (4)			ĸ.
- 1	\mathbf{u}	Uδ	22.0		Œ	A	646	333			** *	330		× × ×	×.×.	933	3.5	c vyv	23.		33.	S. C.	1.50	XX.	800	C. X. X	77	888	80	233	27	883	444	E W.	8 N N	×3.	283	333	××:	: Y Y	588	NYN	2.4.2		333	4.1	10.0	csi	100	110	1:11	***	٠.
777	4.1	√:τ	444	444	64.A	446	1.43	242	644.		4.4	20	0.00	A		C. K		e voc	4.6.					***				····					: Y :		7 Y 7		: 2 5	777	44.		•••	***	4.44		ce.	-	4	~ ~	~.	~ ~	7.	~~~	٠.
2X Y	2.66	444	646.	444	***	***	643	44.	ćζ.Υ.Υ.	~~	***	44.	***	4.5			44.	• • •	2.40	. 4.2	44	444	: 44	Y.Y	× × 1	c vs vs	**	***	83.	9 ~ 3	4.7	44.	???	282	ংকর	***	222	888	44.	: Y: Y:	<~%	***	3.44	:xx:	144	545	200	(23.4)	4 4 7	23.00	. V. V.	***	42
		77.7		120	VVV	222	X X X	444	:××:	44.	***	25	<**	44.	6.60	222	880	< Y Y	440	cxx	XX.	444	688	XX	X X.	C X X	X X	***	22.	×××	. 44	XX.	C Y Y	333	C 74 74	883	(XX	888	XXX	3 X X	CKK.	333	333	: * *	377	V 46	` .		· 7 ·	4 :	22.0	200	43
171	αz	1.0	ш	ST	444	4.6.6	644	44.	CZ. 2.	600	222	2.5	engr	XX.	283	2772	4.5.	83X	2.4.	533	2.2	883	15.3	33	3 %	588	23	434	33	977	188	XX1	(XX	333	988	XXX	CXX	NEX	XXX	(XX)	322	XXX	833	eve.	(XX	V 48		27.1	1.0	ч.	3.33		e.
444	T .	22.2	44.0	33.5	4.4.A	1.1.6	A	7. Y.	c.v.v.	A.A.		4.0					46.	: ** *	24.	C = 7			C 14		7.51		.44			* * *		V ***	:3×	2.0	* * *		(3 Y	2.77	33.			87.73							7.65				Č٤
		V . V		X X X.	***	* **	2 °C '	***	czz.	***	९५९	1.5	8 W W	3.64	64.	××.	***	2 W YC	XX.	777	88	44,	\$ T X	XX.	XX.		77	277	44.	KKK	××.	××:	2 Y Y	242	cvv	ww.	7 X 5	マヤヤ	233	CKK.	cvv	NYN	200	ww.	4××	444	1777	22	777	223	·	5 K K 4	ċ٦
4. 7	re Pro	140	mm	- F	1		4 / 2		Z	£ -1,	424	77	242	× 4.	***	***	44.	5 Y Y	44.	< ~. ~	44.	44,		~~	**	< < >	**	242	* *	< ~. ~	**	44.	:×:	× 4.	***	444	**	* " "	447	: * *:	**	444	***	***	***	×=×	***	7.3	75 8	***	er 1:2	100	**
S Fig.	JA EU	10.7		: V	VL 19		1.0	H.C		44,						. * *.							0 Z N	. Y X			* 7	22.	3 %	282	18.2	883	:3×	2.43	633	251	238	3 3 3	223	(S.X.)	5 N.S	63.5	28.0	13.	CO. N.	2.3	(43)		t #1	111	: 2 : 6	ж	Q:
44.4	466	43.4	466.	4.5	464	424	443	444	4.4.A.	××,		***	4.4.4	44.		er e	44.	१५ ५				44.		2.4	44.	C * *		*5.	3 4	S S	**	٧ę.	: P Y	***		νę.		* **	44.	·		Y. Y						: 77	100	0.0			ŧ٧
	288		-	A. S. A.	***	222	vvv.	233	CEX.	2 X 3	***	44	CXX	44.	888	cvv	44.	< K K	2000	644	88	883	033	33	XX.		XX	XXX	XX.	< < <	YX.	22.2	C 70 70	70 KY	evv	22.0	C 7 7 2	288	883	CXX.	CXX	223	333	XX.	CK K	888	1223	evv.	V V V	7.44	***	0 W W Y	٠.
FY 3	74 Y 1		100	***	¥1.*	222	444	4.6.	(××.	* X .	***	**	cri v	**	***	CXX	***		333	C 33 70	22.5	***	CKN		25.	< 2.2	**	222	~ ~ *	422	222	20.00	< × ×	10.00	5 X X	20101	222	N 2 2	***	C* 22.	***	222	***	22.22	222	***	CXXX	exx.	***		tr.	***	**
4.1	ao	114	1:4:	711	tt:	2.4.2	4.2.4	2.73		× 2.		X .	1.3	77.	1227	740	280	1.3	TX1	32	28	X 7.2	C CA	3.8	3.5	ON N	×	**	2.0	: · · ·	28.2	200	17.7	200		XV.		X.44	N Ž	: 42.4°	c v v	33.3	243	tviv.	. 24	243	277	:××:	272	V-13	At all	иŧ	Z:
***	777	***	265	ररर	77.7	476	८५५	225	an e	250	C×3	* *	4 Y Y	12.70	v÷۰	***	***	er in	10.00	e v v		4.45	e e Tu	: 454	27.1	34.3		× 5 5		eve v		44	erer	200	2.53	44	ere e	V 44	4.75	ere e	čev.	454	7.0	· • •	12.0	T-0.		. × ×	2 4 8	***			44
	3.0	Solu	Solub	Solubili	Solubility	Appearance Fragrance Solubility in	Appearance Fragrance Solubility in V	Appearance Fragrance Solubility in Wa	Appearance Fragrance Solubility in Ware	Appearance Fragrance Solubility in Water	Appearance Fragrance Solubility in Water	Appearance Fragrance Solubility in Water	oH (diluted 1:128) Appearance Fragrance Solubility in Water	ort (concentrate) off (diluted 1:128) Appearance Fragrance Solubility in Water	ort (concentrale) oFF (diluted 1:128) Appearance Fragrance Solubility in Water	ort (concentrate) off (diluted 1:128) Appearance Fragrance Solubility in Water	ort (concentrate) off (diluted 1:128) Appearance Fragrance Solubility in Water	ort (concentrate) oH (diluted 1:128) Appearance Fragrance Solubility in Water	ort (contentrale) off (diluted 1:128) Appearance Fragrance Solubility in Water	ort (concentrate) off (diluted 1:128) Appearance Fragrance Solubility in Water	ort (concentrate) oH (diluted 1:128) Appearance Fragrance Solubility in Water	ort (contentale) off (diluted 1:128) Appearance Fragrance Solubility in Water	ort (concentrate) off (diluted 1:128) Appearance Fragrance Solubility in Water	ort (concentrate) off (diluted 1:128) Appearance Fragrance Solubility in Water	ort (contentale) off (diluted 1:128) Appearance Fragrance Solubility in Water	ort (concentrate) off (diluted 1:128) Appearance Fragrance Solubility in Water	ort (concentrale) off (diluted 1:128) Appearance Fragrance Solubility in Water	ort (concentrate) off (difuted 1:128) Appearance Fragrance Solubility in Water	ort (concentrate) off (diluted 1:128) Appearance Fragrance Solubility in Water	ort (concentrale) off (diluted 1:128) Appearance Fragrance Solubility in Water	ort (concentrate) off (difuted 1:128) Appearance Fragrance Solubility in Water	ort (concentrate) off (difuted 1:128) Appearance Fragrance Solubility in Water	ort (concentrate) off (diluted 1:128) Appearance Fragrance Solubility in Water	off (diluted 1:128) Appearance Fragrance Solubility in Water	ort (concentrate) off (ditured 1:128) Appearance Fragrance Solubility in Water	ort (concentrate) off (diluted 1:128) Appearance Fragrance Solubility in Water	oH (diluted 1:128) Appearance Fragrance Solubility in Water	ort (concentrale) off (diluted 1:128) Appearance Fragrance Solubility in Water	off (diluted 1:128) Appearance Fragrance Solubility in Water	off (diluted 1:128) Appearance Fragrance Solubility in Water	ort (concentrate) off (diluted 1:128) Appearance Fragrance Solubility in Water	ort (concentrale) off (diluted 1:128) Appearance Fragrance Solubility in Water	off (diluted 1:128) Appearance Fragrance Solubility in Water	off (ditured 1:128) Appearance G Fragrance (Solubility in Water	ort (concentrate) off (diluted 1:128) Appearance Gre Fragrance Qu Solubility in Water	off (diluted 1:128) Appearance Greet Fragrance Qua Solubility in Water C	off (diluted 1:128) 7.7 Appearance Green Fragrance Quat/ Solubility in Water Co	off (diluted 1:128) 7.7 Appearance Green Li Fragrance Quat/Al Solubility in Water Comp	off (diluted 1:128) 7.7 ± (off (diluted 1:128) 7.7 ± (Appearance Green Liqu Fragrance Quat/Alpi Solubility in Water Comple	off (diluted 1:128) 7.7 ± 0.5 Appearance Green Liquic Fragrance Quat/Alpine Solubility in Water Complete			

ACTIVE INGREDIENTS:

Didecyl	dimet	aron	onium c	hloride	T 4.85%
ı-Alkvi	(Cu 50	196. Ca	10%. Cu	10%) dimethy	1.4444444444444444444444444444444444444
			loride		3.23%
**********	144.		***********	*****	91 92%
********	4444444	**********		. TEXTS TEXTS TO	. ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~
LOTAL		2222222222 2222222222 2222222222222	\$\$\$\$\$\$\$\$\$**• • •	• • • જેએએએએફફફફફ	100.00%

EPA REGISTERED:

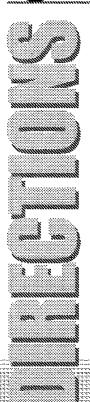
EPA Reg. No. 47371-130-1124 EPA Est. No. 62511-KS-1





Q - 128

One-Step Germicidal Detergent and Deodorant



DIRECTIONS FOR USE

Recommended for use in hospitals, nursing homes, schools, colleges, commercial and industrial institutions, office buildings, veterinary clinics, animal life science laboratories, federally inspected meat and poultry establishments, equine farms, tack shops, pet shops, airports, kennels, hotels, motels, breeding and grooming establishments, funeral homes and households. Disinfects, cleans, and deodorizes the following hard nonporous inanimate surfaces: floors, walls, metal surfaces, stainless steel surfaces, glazed porcelain, and plastic surfaces (such as polypropylene, polystyrene, etc.).

with a solution of 1 ounce of the concentrate per gallon of water. The solution can be applied with a cloth, mop, sponge, or coarse spray, or soaking. Let solution remain on surface for a minimum of 10 minutes. Rinse or allow to air dry. Rinsing of floors is not necessary unless they are to be waxed or polished. Food contact surfaces must be thoroughly rinsed with potable water. This product must not be used to clean the following food contact surfaces: utensils, glassware and dishes. Prepare a fresh solution daily or more often if the solution becomes visibly dirty or diluted.

MILDEWSTATIC INSTRUCTIONS: Will effectively control the growth of mold and mildew plus the odors caused by them when applied to hard, non-porous surfaces such as walls, floors, and table tops. Apply solution (1 ounce per gallon of water) with a cloth, mop, sponge, or coarse spray. Make sure to wet all surfaces completely. Let air dry. Repeat application weekly or when growth reappears.

USDA Rated C1. For use in federally inspected meat and poultry plants on all hard, non-porous surfaces in inedible product processing areas, non-processing areas and exterior areas.

FIRST AID:

In case of contact, immediately flish with plenty of water for at least 15 minutes. For eyes or skin, call a physician. If swallowed, call a doctor or get medical attention. Do not induce vomiting or give anything by mouth to an unconscious person. Drink premptly a large quantity of milk, egg whites, gelatin solution, or if these are not available, drink large quantities of water. Avoid alcohol.

HANDLING AND STORAGE:

Keep product under locked storage, inaccessible to children. Do not conteminate water, food, or feed by storage or disposal. Open dumping is prohibited. Do not reuse empty container. PRSTICIDE DISPOSAL: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture or tinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency or the Hazardous Waste representative at the nearest EPA Regional Office for guidance. KEEP OUT OF REACH OF CHILDREN.

PERSONAL PROTECTION:

Respiratory Protection: Not needed under normal conditions.

Ventilation: Use with adequate ventilation Eye Protection: Safety glasses are required. Protective Gloves: Protective gloves are required. Other Protective Clothing or Equipment: Wear clothing as necessary to prevent skin contact.





TRANSPORTATION INFORMATION:

ONE GALLON OR SMALLER: Consumer Commodity, ORM-D LARGER THAN ONE GALLON:

U.S. DOT - Proper Shipping Name: Disinfectant, Corrosive Liquid, N.O.S. (Quaternary Ammonium Chlorides)

Hazard Class: 8 ID Number: UN1903 Packing Group: III Martne Polintant: No

MSDS FAX RETRIEVAL Read MSDS before using this product

800-551-0101

OBTENCIÓN DE HDSM POR FAX Leer la HDSM antes de utilizar este producto FOR CHEMICAL EMERGENCY, SPILL LEAK, FIRE EXPOSURE OR ACCIDENT CALL CHEMITHEC DAY OR MIGHT 800-424-9300

800-424-9300

PARA EMERCENCIAS QUÍMICA DEBRAMES
ESCAPES PLEGO EXPOSICION D'ACCIDENTE
LLAMAR DEGIA O DE NOCHE A CHEMTREC

TECH HOTLINE 800-810-4829 LINEA DE TÉCNICA

© FRANKLIN Cleaning Technology™ 2000 • Great Bend, KS 67530

F2480T0S-1199