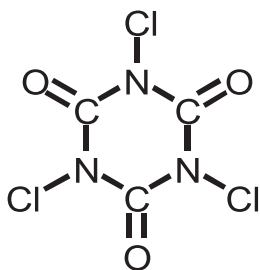


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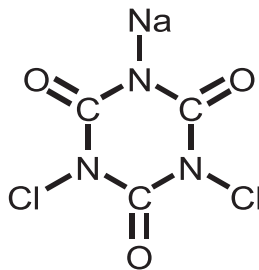
## CHLORINATED ISOCYANURATES

- **TRADE NAME :** NEO-CHLOR
- **Application :** Sanitizer for swimming pool, spa, septic tank  
Raw material for industrial dish-washing detergent and bleach
- **CHEMICAL STRUCTURE**

**NEO-CHLOR 90  
(TICA)**



**NEO-CHLOR 60  
(SDIC)**



### ▪ **PROPERTIES**

Trade name	NEO-CHLOR 90 (TICA)	NEO-CHLOR 60 (SDIC)
Chemical name	Trichloroisocyanuric acid	Sodium dichloroisocyanurate
Molecular weight	232.41	219.95
Available chlorine content (Theoretical)	91.53%	64.48%
Appearance	Tablet, Powder, Fine granular, Granular or Coarse granular	Medium granular or Granular
Color	White	White
Melting point ( Decomposition)	225 - 230°C	240 - 250°C
Solubility in water g/100g at 25°C	1.2	25
Solubility in Acetone g/100g at 30°C	35	0.5 max.

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## • SPECIFICATION (Guaranteed)

Grade	TICA					SDIC	
	P	FG	G	CG	TAB	MG	G
Available chlorine (%)	90.0 min.					61.5 min.	
Moisture (%)	0.18 max				-	2.5 max.	
pH at 1% solution	2.7 - 3.3				-	6.0 - 7.0	
Bulk density (g/cc)	-	0.95 min.			-	0.75 min.	0.80 min.

TAB : Tablet    P : Powder    FG : Fine granular

MG : Medium granular    G : Granular

CG : Coarse granular

## • SPECIFICATION (Typical)

Grade	TICA					SDIC	
	P	FG	G	CG	TAB	MG	G
Available chlorine (%)	91.0	91.0	91.0	91.0	90.8	64.0	64.0
Moisture (%)	0.1	0.06	0.06	0.06	-	0.18	0.24
pH at 1% solution	2.8	2.8	2.8	2.8	-	6.5	6.5
Bulk density (g/cc)	-	1.04	1.04	1.04	-	0.83	0.87

## • PARTICLE SIZE (Typical)

Grade			TICA				SDIC	
Opening of sieve	ASTM		P	FG	G	CG	MG	G
4,000 µm on	5					0%		
2,000 on	10					97%		
2,000 pass	10					3%		
1,000 on	18				45%			15%
710 on	25							
600 on	30				85%		0.5%	70%
425 on	40				98%		40%	95%
250 on	60				99.5%			99.5%
250 pass	60			35%	0-0.5%			0-0.5%
212 on	70						99.5%	
212 pass	70						0-0.5%	
150 on	100		5%	95%				
75 on	200		60%	99%				
75 pass	200		40%	1%				

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## • PACKING

	Grade	Package	Net Weight	No. of pkgs per 20' fcl
TICA	G	Bulk bag with 3-ply polyethylene inner bag	1,000kgs(2,205lbs)	20 bags
	CG, G,FG,P	Fiber drum with 1-ply polyethylene bag	50kgs	324 drums
	15g-TAB	Fiber drum with 1-ply polyethylene bag	50kgs	324 drums
	200g-TAB	Fiber drum with 50 plastic tubes (5-TAB in each tube)	50kgs	324 drums
SDIC	G, MG	Bulk bag with 3-ply polyethylene inner bag	1,000kgs(2,205lbs)	20 bags
	G, MG	Fiber drum with 1-ply polyethylene bag	50kgs	324 drums
DICD	G, MG	Bulk bag with 3-ply polyethylene inner bag	1,000kgs(2,205lbs)	20 bags
	G, MG	Fiber drum with 1-ply polyethylene bag	50kgs	324 drums

## • STORAGE

Keep product dry in tightly closed container when not in use. Store in a cool, dry, well-ventilated area away from heat, open flame and other organic matter.

In case of decomposition, isolate container, if possible, and flood with large amounts of water to dissolve material before discarding.



**FRP Services & Co.**

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