Product Safety Data Leaflet

AKZO
Chemical Division

Emergency Tel. nos

B	Mons	·	65-642381
D	Dueren	·	2421-595333
F	Compiegne	·	4-4903000
GB	Gillingham	·	63-4280888
I	Arese	·	2-932621
NL	Amsterdam	·	20-212812
NL	Deventer	·	5700-73211

Identity and use

Trade name	: **INITIATOR D-120**	CAS. Reg. no(s): 96319-55-0
Chemical name (active component(s))	: 1-(2-tert.butylperoxyisopropyl)-3-isopropenylbenzene	Akzo codes:
Structural formula(e)	: $CH_3 - C(=CH_2) - C_6H_4 - C(CH_3)_2 - O - O - C(CH_3)_3$ (phenyl)	UC 00120
	Molecular formula: $C_{16}H_{24}O_2$	XL 4.24.10.1 E Other codes:
Type of application	: Crosslinking agent for natural and synthetic elastomers as well as polyolefins	

Physical and chemical properties

Appearance	: Slightly yellow liquid	Vapour pressure:	
Odour	:	Viscosity	: Not determined
Density	: 945 kg/m^3	Acidity	:
Bulk density	: Not applicable	Solubility	: Practically insoluble in water. Miscible with common organic solvents
Melting point	: Crystallisation temp. below -35°C		
Boiling point	: Not relevant	Flash point	: 56°C (Seta)
Ingredients Act.oxyg.cont: Peroxide cont: Vol./non-vol.: Other	 6.45% (theor.) Min. 90% :	Self ignition temp.	: > 470°C
		Decomp. temp.	: See under SADT
		Self acc.decomp: temp. (SADT)	

Hazardous reactions	: Oxidizing agent, producing free radicals under decomposition at elevated temperatures or by catalytic agents
Major decomp. products	:

Environmental, toxicological and other or additional data

Toxicity:

Acute oral (rat)	: LD 50 > 5000 mg/kg	(NOTOX report 0314/398 - July 1986)
Primary skin irritation (rabbits)	: Irritant	(NOTOX report 0314/396 - July 1986)
Eye irritation (rabbits)	: Not an irritant	(NOTOX report 034/397 - July 1986)
Ames test	: No mutagenic activity	

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