

Material Safety Data Sheet

Identity

Cable cutter, electric, type ESKV 11

Section I

Manufacturers Name

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 GERMANY

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Section II - Hazardous Ingredients I Identity Information

Hazardous Components (Specfic Chemical Identity ; Comr OSH PEL ACGIH TLV Other 1% (optional)

Propellant: nitrocellulose CAS-No.: 9004-70-0 max. 40mg
 Ignition composition: max. 35mg
 containing approx. 20% lead-2,4,6-trinitrophenolat (leadpicrat)
 and approx. 80% harmless components

Description:

Cable cutters electric, Type ESKV 11 are propellant generated pyrotechnical parts to cut steel or plastic cables and solid wires for single use only. They are initiated by a defined electric current and consist of a metal case, a fixed piston blade, a gas generator and a closing screw. In the gas generator, the dangerous substances are hermetically sealed. **Cable cutter electric type ESKV 11 is not classified as dangerous cargo in accordance with transportation regulations!**

Section III - Physical /Chemical Characteristics

Boiling Point	not applicable	Specific Cravity (H20=1)	not applicable
Vapor Pressure (mm Hg.)	not applicable	Melting Point	not applicable
Vapor Density (Air = 1)	not applicable	Evaporation Rate Butyl Acetate = 1	not applicable
Solubility in water	not applicable		
Appearance and Odor	see discription, selection II		

Section IV - Fire and Explosion Hazard Data

Flash Point (Method Used)	not applicable	Flammable Limits	LEL	UEL
extinguishing Meals	Water, Fire Extinguisher			
Special Fire Fighting Procedures	Fire in the surroundings to be fought with all available means prevent tire from reaching the cargo, remove vehicle out of reach of fire			
Unusual Fire and Explosion Hazards	In case of fire, no reaction as fragmentation, smoke, heat, tire or loud sound occur from the packing unit.			

Material Safety Data Sheet

Section V – Reactivity Data		
Stability	Unstable	Conditions to Avoid: Heat or fire cause ignition of the cable cutter
	Stable X	
Incompatibility (Materials to avoid) not applicable		
Hazardous Decomposition or By-products Lead compounds in traces		

Hazardous Polymerisations	will not	X	Conditions to Avoid not applicable
	occur		

Section VI Health Hazard Data				
Route(s) of Entry	Inhalation?	Skin?	Ingestion?	
Composed gasses	yes			

Health Hazards (Acute and Chronic)

poison only when inhaled in closed rooms and when many cable cutters are initiated t one time, MAK (lead); 0,1 mg/m3, not relevant due to single application.

Carcinogenloly: NTP? IARC Monographs? OSHA Regulate?

Signs and Symptoms of Exposure

none when handled as directed.
after oral or Inhalative intake of a significant quantity of finest dust particles containing lead illness might occur such as tiredness, loss of weight, stomachache constipation, reduced haemoglobin values

Emergency and First aid Procedures

seek immediate medical help in case of symptoms -i.e. irritation of the respiratory system - which are obviously due to inhalation of combustion gases rovide fresh air, rest and serve dexamenthason-s ra for inhalation

Section VII Precaution for Safe Handling and Use	

Steps to Be Taken in Case Material is Released or Spilled

Protect the vicinity, keep public away, give attention to the risk of ignition
Pick up scattered cargo only by hand, not use any tools

Waste Disposal Method

After orderly ignition of the hazardous contents the metal parts can be scrapped, it is not classified as hazardous waste

Precautions to Be Taken i Handling and Storing

no smoking, keep away from heat, electric sparks and open fire
storage in original packing dry and cool, do not store together with highly flammable agents, avoid mechanical influences (i.e. Impact, crushing)
protect against high frequent high energy radiation, avoid electrostatic charge,
application only for appropriate purpose

Section VIII Control Measures			
Respiration Protection (Specific Type) not required			
Ventilation	Local Exhaust	no	Special no
	Mechanical (General)	no	Other no
Protective Gloves	not required	Eye Protection	not required
Other Protective Clothing	not required		
Workl Hygienic Practises	no specific regulations		