

Rev'd 03-07-02 ✓

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SAFETY DATA SHEET for DRAWING AND WRITING INSTRUMENTS FOR DISTRIBUTORS	100-..
	MARS LUMOGRAPH DRAWING PENCILS
	19 DEGREES OF HARDNESS
	QUICK IDENTIFIER (2)

SECTION I - GENERAL INFORMATION

Manufacturer's name STAEDTLER MARS GMBH & Co.	Telephone no. for further information (Area code + ..) 0049-911-3080-319
Address D-90427 Nürnberg, Moosackerstr. 3 Germany	Telex no. 62311550 ma d Telefax no. 0049-911-3080-400
	Date 11-30-93 Prepared by KIMPEL L3

SECTION II - HAZARDOUS INGREDIENTS (SPECIFY COMPONENT)

Hazardous ingredients (chemical or common name(s)) (1)	CAS No.	TLV ppm/mg/m ³	wt %	Component
Graphite *	7782-42-5	15 mppc	33-83	LEAD
Kaolin *	1332-58-7	10 mg/m ³ TWA	38-40	LEAD EB+EE
Carboxymethyl Cellulose, Sodium salt	9004-32-4	--	2.8	LEAD EB+EE
Sodium Borate, Dekahydrate	1303-96-4	10 mg/m ³ TWA	0 -16	LEAD
* TLV only for dust, if generated				

SECTION III - PHYS./CHEM. CHARACTERISTICS (SPECIFY COMPONENT)

Appearance and odor: Wooden lead pencils, containing graphite leads, odorless	Component: Lead
Boiling point (°C): n.a.	Density (g/cm ³): (2) = 1.8
Vapour density (air = 1): n.a.	Melting point (°C): n.a.
Solubility in water: insoluble	Evaporation rate (butyl acetate = 1): n.a.
Pressurized yes <input type="checkbox"/> no <input checked="" type="checkbox"/>	% Volatile: (4) n.a.
Other characteristics: None	

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flash point (°C): n.a. Method used: n.a.	Explosion limits (Vol-%)	LEL: n.a.	UEL: n.a.
Extinguishing media: Water spray jet, dry powder, carbon dioxide, foam			
Special fire fighting precautions: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.			Autoignition temp (°C): n.a.
List hazardous products of decomposition: Carbon dioxide, carbon monoxide			
Other advice: None			

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TOTAL P: 03

SECTION V - STORAGE HAZARDS

Stability untable Conditions stable to avoid: Excessive heat

Incompatibility (materials to avoid): Strong oxidizers

List hazardous products of decomposition: Carbon dioxide, carbon monoxide if burning.

Hazardous polymerization May occur Will not occur Conditions to avoid:

SECTION VI - HEALTH HAZARDS

1. Acute: ⁽⁶⁾ None if used as directed. 2. Chronic: ⁽⁶⁾ None if used as directed.

Signs and symptoms of overexposure: Not known

Medical conditions generally aggravated by exposure: Not known

Chemical listed as carcinogen: None

Emergency and first aid procedures

Routes of entry	Emergency procedures	Seek medical advice
Inhalation	n.a.	<input type="checkbox"/>
Eyes	After contact, rinse thoroughly with copious amounts of water.	<input checked="" type="checkbox"/>
Skin	n.a.	<input type="checkbox"/>
Ingestion	Wash out mouth with water provided person is conscious.	<input checked="" type="checkbox"/>

SECTION VII - SPECIAL PRECAUTIONS

Special precautions to be taken in handling: No special precautions recommended.

Other precautions: None

Steps to be taken in case materials is released or spilled: Collect

Waste disposal methods: Together with household refuse. Observe all state, federal and local regulations.

SECTION VIII - SPECIAL PROTECTION INFORMATION/CONTROL MEASURES

Respiratory protection (specify type): Not required

Ventilation: None Local exhaust: None Mechanical (general): None Other: None

Skin and eye protection: No special protection required in normal use.

Work/hygenic practices: As usual.

(6) LD50 shall be noted if known not applicable = n.a. not determined = n.d.

(6) health hazard by ingestion or inhalation shall be noted if known.