

Sep. 29. 2005 11:04AM Staedtler, Inc. - USA

No. 1850 P. 2

21500-0002



MATERIAL SAFETY DATA SHEET

No.: 52820/25-H9

Date: 22. 8. 1989

Section I	
Manufacturer's Name: <i>Staedtler Mars GmbH & Co</i>	Emergency Telephone No.: <i>0911/3080319</i>
Address: <i>1700sackerstr. 3, D-8500 Nürnberg 90</i>	Telex: <i>6231150 ma d</i>
Trade Name and Synonyms: <i>Radett 52820 and Refill 52825</i>	
Principal use: <i>Eraser for graphite markings</i>	

Section II - Hazardous Ingredients	
	%
<i>None</i>	
Hazardous Mixtures of other Liquids, Solids, or Gases	
<i>None</i>	

Section III - Physical Data			
Boiling Point (°C): <i>N/A</i>	Melting Point (°C): <i>N/A</i>	Specific Gravity (H ₂ O = 1): <i>1,4</i>	pH: <i>-</i>
	Evaporation Rate: <i>N/A = 1</i>	(%) Volatile by Volume: <i>N/A</i>	Solubility in Water (By Wt.): <i>unsoluble</i>
Pressurized <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes: _____ mmHg			

Appearance and Odor
Sliding plastic type eraser core with integrated clip odorless

Section IV - Fire and Explosion Hazards			
Flash Point (°C): <i>N/A</i>	(%) Lower Explosion Limit: <i>N/A</i>	(%) Upper Explosion Limit: <i>N/A</i>	Autoignition Temp. (°C): <i>N/A</i>
Test Method <input type="checkbox"/> Open Cup <input type="checkbox"/> Closed Cup <input type="checkbox"/> Cleveland Closed Cup <input type="checkbox"/> Other: <i>N/A</i>			
Extinguishing Media <input checked="" type="checkbox"/> Water <input checked="" type="checkbox"/> Dry Chemical <input type="checkbox"/> Carbon Dioxide <input type="checkbox"/> Foam <input type="checkbox"/> Other:			
Special Fire Fighting Procedures <input checked="" type="checkbox"/> None <input type="checkbox"/> Other:			
Unusual Fire and Explosion Hazards: <input type="checkbox"/> None <input checked="" type="checkbox"/> Other: <i>Developes HCl-Gas on fire temperature</i>			

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Section V - Health Hazard Data	
Threshold Limit Value:	None
Effects of Overexposure:	N/A
Emergency and First Aid Procedures:	
Not necessary	
Section VI - Reactivity Data	
Stability	
<input checked="" type="checkbox"/> Stable	<input type="checkbox"/> Conditions to Avoid
<input type="checkbox"/> Unstable	
Incompatibility (Materials to Avoid - Reactions and/or Toxic Products)	
<input type="checkbox"/> Strong Acids	<input type="checkbox"/> Oxidizers
<input type="checkbox"/> Strong Bases	<input type="checkbox"/> Reducing Agents
	<input type="checkbox"/> Other
	None
Hazardous Decomposition Products	HCl-gas
	Decomposition Temp. (°C): > 450
Hazardous Polymerization	
<input type="checkbox"/> May Occur	Conditions to Avoid
<input checked="" type="checkbox"/> Will Not Occur	
Section VII - Spill Procedures and Waste Disposal/Treatment Methods	
Steps to be taken in case Material is released or spilled: N/A	
<input type="checkbox"/> Contain for treatment/disposal	<input type="checkbox"/> Ventilate Area
<input type="checkbox"/> Cover with absorbent material and collect	<input type="checkbox"/> Neutralize (Specify):
	<input type="checkbox"/> Other (Specify):
In case of Excessive Exposure N/A	
<input type="checkbox"/> Self contained breathing apparatus	
<input type="checkbox"/> Other (Specify):	
Hazardous Waste	
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
	Waste ID Number
Waste Disposal Method	
<input type="checkbox"/> None	<input type="checkbox"/> Secured Chemical Landfill
<input checked="" type="checkbox"/> Sanitary Landfill	<input type="checkbox"/> Sanitary Sewer
<input type="checkbox"/> Solidification/Chemical fixation	<input type="checkbox"/> Incineration
	<input type="checkbox"/> Regulatory Requirements (Specify):
	Alternate Method (Specify):
	Unless directed otherwise by applicable ordinances.
Waste Treatment Method	
<input type="checkbox"/> None	<input type="checkbox"/> Neutralization
<input type="checkbox"/> Recycling/Reuse	<input type="checkbox"/> Bio Treatment
<input type="checkbox"/> Detoxification	<input type="checkbox"/> Incineration (°C):
	Alternate Method (Specify):

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Section VIII - Special Protection Information			
Mechanical Ventilation			
<input checked="" type="checkbox"/> None	<input type="checkbox"/> Comments:		
<input type="checkbox"/> Increased Room			
<input type="checkbox"/> Local Exhaust			
Approved Respiratory Protection, if required:			
<input checked="" type="checkbox"/> None	<input type="checkbox"/> Organic Vapor	<input type="checkbox"/> Mist Cartridge	
<input type="checkbox"/> Self Contained	<input type="checkbox"/> Acid Gas	<input type="checkbox"/> High Efficiency Dust	
<input type="checkbox"/> Full Face	<input type="checkbox"/> Alkaline Gas	<input type="checkbox"/> Cartridge Number	
<input type="checkbox"/> Other	<input type="checkbox"/> Dust Cartridge	<input type="checkbox"/> Comment	
Routine Personal Protection			
Protective Gloves			
<input checked="" type="checkbox"/> None	<input type="checkbox"/> Cotton	<input type="checkbox"/> Acrylonitrile	<input type="checkbox"/> One-time use only
<input type="checkbox"/> Polyethylene	<input type="checkbox"/> PVC	<input type="checkbox"/> Natural Rubber	<input type="checkbox"/> Other
<input type="checkbox"/> Latex/Neoprene	<input type="checkbox"/> Buna-N	<input type="checkbox"/> Latex	<input type="checkbox"/> Comments
<input type="checkbox"/> Viton	<input type="checkbox"/> Vinyl	<input type="checkbox"/> PVA	
Eye/Face Protection <i>None</i>			
<input type="checkbox"/> Safety Glasses	<input type="checkbox"/> Goggles	<input type="checkbox"/> Other	
<input type="checkbox"/> Safety Glasses with Side Shields	<input type="checkbox"/> Face Shield	<input type="checkbox"/> Comments	
Protective Clothing			
<input checked="" type="checkbox"/> None	<input type="checkbox"/> Coverall	<input type="checkbox"/> Comments	
<input type="checkbox"/> Apron	<input type="checkbox"/> Disposable Clothing		
Section IX - Special Precautions			
Precautions to be taken in Handling and Storing:			
<i>None</i>			
Other Precautions:			
<i>None</i>			

The information contained herein is based on the present state of our knowledge and is intended to describe our products from the point of view of safety requirements. It should not therefore be construed as guaranteeing specific properties. These products should be stored, handled and used in conformity with the application they are intended. The information provided above is for general guidance only without responsibility on our part and is subject to change without notice.