

# SAFETY DATA SHEET

## Paper, Chemical Agent Detector, VGH, ABC-M8

### NSN 6665-00-050-8529

Section 1. Identification of the substance/mixture and of the company/undertaking	
1.1 Product Identifier:	Paper, Chemical Agent Detector, VGH, ABC-M8
1.2 Relevant identified uses of the substance or mixture and uses advised against:	Testing for presence of chemical warfare agents.
1.3 Details on the supplier of the Safety Data Sheet:	Luxfer Magtech Inc., Cincinnati Plant, 2940 Highland Ave., Unit 210, Cincinnati, OH 45212 (631) 727-8600
1.4 Emergency telephone number:	(800) 503-4483

Section 2. Hazards Identification	
2.1 Classification of the substance or mixture:	Not hazardous material.
2.2 Label elements:	No hazmat labels required.
Signal word:	None
Hazard statement:	Not a hazardous substance or mixture.
In case of fire, use for extinguishing:	Carbon dioxide, dry chemical ABC, or water spray.
2.3 Other hazards:	None.

Section 3. Composition/information on ingredients	
3.1 Substances	CAS # (if known)
Ethyl bis(2,4-Dinitrophenyl)acetate	5833-18-
2,5,2',5'-Tetramethyltriphenyl Methane-4,4'-Diazobis-beta-Hydroxynaphthoic Anilide	1
Thiodiphenyl-4,4'-Diazobis-Salicylic Acid, or	60033-00-3
Thiodiphenyl-4,4'-Diazobis-Salicylate Disodium Salt	80234-33-9
	8003-87-0
3.2 Mixture	
Substances are combined in the paper.	

<b>Section 4. First aid measures</b>
4.1 Description of first aid measures
IF SWALLOWED: Consult a physician. IF ON SKIN: Flush with soap and water for at least 15 minutes. Get medical attention if irritation develops, persists or worsens. IF IN EYES: Not applicable. IF INHALED: Not applicable.
4.2 Most important symptoms and effects, both acute and delayed
Red color of dye in paper may come off on skin. Typically no irritation develops.
4.3 Indication of any immediate medical attention and special treatment needed
None.

<b>Section 5. Firefighting measures</b>
5.1 Extinguishing media
CO <sub>2</sub> , dry chemical, or water spray
5.2 Special hazards arising from the substance or mixture
May produce toxic fumes of carbon oxides, nitrogen oxides, sulfur oxides.
5.3. Advice for firefighters
Wear self-contained breathing apparatus and protective clothing.

<b>Section 6. Accidental release measures</b>
6.1 Personal precautions, protective equipment and emergency procedures
Wear suitable protective equipment. Remove ignition sources.
6.2 Environmental precautions
No environmental hazard
6.3 Methods and materials for containment and cleaning up
Sweep up material and place in container for disposal.
6.4 Reference to other sections
See section 8 (Exposure controls/personal protection).

<b>Section 7. Handling and storage</b>
7.1 Precautions for safe handling
Avoid contact with skin. Wash thoroughly after handling.

**7.2 Conditions for safe storage, including any incompatibilities**

Keep away from sparks or flame.

**7.3 Specific end use(s)**

Testing for presence of chemical warfare agents.

**Section 8. Exposure controls/personal protection**

**8.1 Control parameters**

Wear chemical-resistant rubber gloves.

**8.2 Exposure controls**

Ethyl bis(2,4-Dinitrophenyl)acetate  
2,5,2',5'-Tetramethyltriphenyl Methane-4,4'-Diamo-bis-beta-Hydroxynaphthoic Anilide  
Thiodiphenyl-4,4'-Diamo-bis-Salicylic Acid, or  
Thiodiphenyl-4,4'-Diamo-bis-Salicylate Disodium Salt

	OSHA PEL	ACGIH TLV
Ethyl bis(2,4-Dinitrophenyl)acetate	n/a	n/a
2,5,2',5'-Tetramethyltriphenyl Methane-4,4'-Diamo-bis-beta-Hydroxynaphthoic Anilide	n/a	n/a
Thiodiphenyl-4,4'-Diamo-bis-Salicylic Acid, or	n/a	n/a
Thiodiphenyl-4,4'-Diamo-bis-Salicylate Disodium Salt	n/a	n/a

**Section 9. Physical and chemical properties**

**9.1 Information on basic physical and chemical properties**

n/a = not available, or not applicable.

Physical state: Solid. Appearance, Color, Odor: Tan paper, odorless. Odor threshold: n/a. pH: n/a. Relative evaporation rate, n-butyl acetate=1: n/a. Melting point/freezing point: n/a. Boiling point: n/a. Flash point: n/a. Auto-ignition temperature: n/a. Decomposition temperature: n/a. Flammability (solid, gas): n/a. Vapor pressure: n/a. Relative vapor density, air=1: n/a. Relative density: n/a. Solubility: n/a. Partition coefficient (Log P<sub>ow</sub>): n/a. Viscosity (kinetic/dynamic): n/a. Upper/lower flammability or explosive limits: n/a.

**9.2 Other information**

Not applicable.

**Section 10. Stability and reactivity**

**10.1 Reactivity**

No dangerous reaction known under conditions of normal use.

**10.2 Chemical stability**

Stable under normal conditions.

**10.3 Possibility of hazardous reactions**

Hazardous polymerization does not occur.

**10.4 Conditions to avoid**

Sparks/ignition sources and open flame. Exposure to incompatible materials.

**10.5 Incompatible materials**

Oxidizing agents, acids, bases.

**10.6 Hazardous decomposition products**

None under conditions of normal use.

**Section 11. Toxicological information****11.1 Information on toxicological effects****Ethyl bis(2,4-dinitrophenyl)acetate**

Acute toxicity: no data available

Skin corrosion / irritation: no data available

Eye damage / irritation: no data available

Sensitization: no data available

Germ cell mutagenicity: no data available

Carcinogenicity: Not listed by IARC, NTP or OSHA

Reproductive toxicity: no data available

Specific Target Organ Toxicity, single exposure: no data available

Specific Target Organ Toxicity, repeated exposure: no data available

Aspiration hazard: no data available

No data available for other substances. None are listed by IARC, NTP or OSHA.

**Section 12. Ecological information****12.1 Toxicity**

No data available.

**12.2 Persistence and degradability**

No data available.

**12.3 Bioaccumulative potential**

No data available.

**12.4 Mobility in soil**

No data available.

**12.5 Results of PBT and vPvB assessment**

For all substances: PBT/vPvB assessment not available as chemical safety assessment not required/not conducted.

**12.6 Other adverse effects**

None.

**Section 13. Disposal considerations****13.1 Waste treatment methods**

Dispose in accordance with Federal, State, and Local regulations.

<b>Section 14. Transport information</b>
14.1 UN Number
DOT, IMDG, IATA: Not dangerous goods.
14.2 UN Proper shipping name
DOT, IMDG, IATA: Not dangerous goods.
14.3 Transport hazard class(es)
DOT, IMDG, IATA: Not dangerous goods.
14.4 Packing group
DOT, IMDG, IATA: Not dangerous goods.
14.5 Environmental hazards
DOT, IMDG, IATA: Not dangerous goods.
14.6 Special precautions for user
No additional information.
14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code
Not applicable.

<b>Section 15. Regulatory information</b>
15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
The information below may not be consistent with the material classification in Section 2 if specific ingredient classifications are mandated by a competent authority. In addition, data on ingredients may not be reflected in the material classification and/or the signs and symptoms of exposure, because the data is specific to the pure substance and may not be relevant to the product as a whole.
Ethyl bis(2,4-dinitrophenyl)acetate: US Federal Regulations SARA 302: no SARA 311/312: Acute Health Hazard no, Chronic Health Hazard no, Fire Hazard no, Sudden Release of Pressure Hazard no, Reactivity Hazard no SARA 313: no
No data available for other substances.
15.2 Chemical safety assessment
Has not been carried out.

<b>Section 16. Other information</b>
Indication of changes: Revision 3, dated August 27, 2025.
This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product. Although the information in this Safety Data Sheet was obtained from sources which we believe to be reliable, it cannot be guaranteed. In addition, this information may be used in a manner beyond our knowledge or control. The information is, therefore, provided without representation or warranty expressed or implied.