

POLYONE CORPORATION

*PolyOne*

MATERIAL SAFETY DATA SHEET

**ACCU-WAY 3434**

Version Number 1.0  
Revision Date 10/28/2002

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**1. PRODUCT AND COMPANY IDENTIFICATION**

**POLYONE CORPORATION**  
14330 Kinsman Road, Burton, OH 44021

NON-EMERGENCY TELEPHONE : Product Stewardship (440)-834-4644  
Emergency telephone number : CHEMTREC 1-800-424-9300 (24hrs for spill, leak, fire, exposure or accident).

Product name : ACCU-WAY 3434  
Product code : AD3000038960  
Chemical Name : Mixture  
CAS-No. : Mixture  
Product Use : Industrial Applications

**2. COMPOSITION/INFORMATION ON HAZARDOUS INGREDIENTS**

Components	CAS-No.	Weight %
2-Mercaptobenzothiazole	149-30-4	10 - 30
Zinc bis dibutyldithiocarbamate	136-23-2	10 - 30
Tetrakis(diethyldithiocarbamate-S,S')tellurium	20941-65-5	1 - 5

**3. HAZARDS IDENTIFICATION**

**EMERGENCY OVERVIEW**

This mixture has not been evaluated as a whole for health effects. Information provided on health effects of this product is based on the individual components. In addition, heating or processing this material may result in product degradation or byproduct formation creating additional hazards. See Sections 8 and 11 for additional details.

**POTENTIAL HEALTH EFFECTS**

**Routes of Exposure:** : Inhalation, Skin contact, Ingestion

**Acute exposure**

Inhalation : Irritating to respiratory system.  
Ingestion : May be harmful if swallowed.  
Eyes : Particulates, like other inert materials can be mechanically irritating.  
Skin : Experience shows no unusual dermatitis hazard from routine handling.

**Chronic exposure** : Refer to Section 11 for Toxicological Information.

MARKETED BY  
**HARWICK STANDARD**  
DISTRIBUTION CORPORATION  
60 S. Seiberling Street • Akron, Ohio 44305

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**Medical Conditions** : None known.  
**Aggravated by Exposure:**

**4. FIRST AID MEASURES**

**Inhalation** : Move to fresh air. When symptoms persist or in all cases of doubt seek medical advice.

**Ingestion** : Do not induce vomiting without medical advice. Seek medical attention if necessary.

**Eyes** : Rinse immediately with plenty of water for at least 15 minutes. If eye irritation persists, seek medical attention.

**Skin** : Wash off with soap and plenty of water.

**5. FIRE-FIGHTING MEASURES**

**Flash point** : Not applicable

**Flammable Limits**

- Upper explosion limit : Not applicable
- Lower explosion limit : Not applicable

**Autoignition temperature** : No data available.

**Suitable extinguishing media** : Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide..

**Special Fire Fighting Procedures** : Fullface self-contained breathing apparatus (SCBA) used in positive pressure mode should be worn to prevent inhalation of airborne contaminants.

**Unusual Fire/Explosion Hazards** : None

**6. ACCIDENTAL RELEASE MEASURES**

**Personal precautions** : Avoid breathing dust. Avoid dust formation. Ensure adequate ventilation. Wear appropriate personal protection during cleanup, such as impervious gloves, boots and coveralls.

**Environmental precautions** : Should not be released into the environment. The product should not be allowed to enter drains, watercourses or the soil.

**Methods for cleaning up** : Clean up promptly by sweeping or vacuum. Do not create a powder cloud by using a brush or compressed air. Shovel into suitable container for disposal. Refer to Section 13 of this MSDS for proper disposal methods.

**7. HANDLING AND STORAGE**

**Handling** : Provide for appropriate exhaust ventilation and dust collection at

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machinery. Avoid formation of dust and aerosols.

Storage : Store in a cool dry place. Keep away from open flames, hot surfaces and sources of ignition.

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

- Respiratory protection : When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. Employees using respirators must be properly trained. Employers must follow applicable regulations such as OSHA 29 CFR 1910.134.
- Eye/Face Protection : Safety glasses with side-shields.
- Hand protection : Protective gloves.
- Skin and body protection : Long sleeved clothing.
- Additional Protective Measures : Safety shoes
- General Hygiene Considerations : Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and immediately after handling the product.
- Engineering measures : Adequate ventilation and/or appropriate respiratory protection may also be necessary to minimize employee exposure to processing vapors.

Exposure limit(s)

Components	Value	Exposure time	Exposure type	List:
Tetrakis(diethylthiocarbamato-S,S')tellurium	0.1 mg/m <sup>3</sup>	PEL:	as Te	OSHA Z1
Tetrakis(diethylthiocarbamato-S,S')tellurium	0.1 mg/m <sup>3</sup>	Time Weighted Average (TWA):	as Te	ACGIH

**9. PHYSICAL AND CHEMICAL PROPERTIES**

- |                     |                          |                  |                   |
|---------------------|--------------------------|------------------|-------------------|
| Form                | : Solid                  | Evaporation rate | : Not applicable. |
| Appearance          | : powder, Crumb, Pellets | Specific Gravity | : Not determined  |
| Color               | : NO PIGMENT             | Bulk density     | : Not determined  |
| Odor                | : Very faint             | Vapor pressure   | : Not applicable. |
| Melting point/range | : Not applicable         | Vapor density    | : Not applicable  |
| Boiling Point:      | : Not applicable.        | pH               | : Not applicable  |
| Water solubility    | : Negligible             |                  |                   |

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Print Date 10/28/2002**10. STABILITY AND REACTIVITY**

Stability : Stable.

Hazardous Polymerization : Will not occur.

Conditions to avoid : Heat, flames and sparks.

Incompatible Materials : strong acids and oxidizing agents

Hazardous decomposition products : Carbon dioxide (CO<sub>2</sub>), carbon monoxide (CO), oxides of nitrogen (NO<sub>x</sub>), other hazardous materials, and smoke are all possible.

**11. TOXICOLOGICAL INFORMATION**

This mixture has not been evaluated as a whole for health effects. Exposure effects listed are based on existing health data for the individual components which comprise the mixture.

Toxicity Overview

This product contains the following components which in their pure form have the following characteristics:

CAS-No.	Chemical Name	Effect	Target Organ
149-30-4	2-Mercaptobenzothiazole	toxic	Refer to LC50 / LD50 Data on MSDS..
136-23-2	Zinc bis dibutyldithiocarbamate	Irritant	Eyes, Skin, Respiratory system.
20941-65-5	Tetrakis(diethyldithiocarbamate-S,S')tellurium	Irritant	Eyes, Skin.

LC50 / LD50

This product contains the following components which in their pure form have the following toxicity data:

CAS-No.	Chemical Name	Route	Value	Species
149-30-4	2-Mercaptobenzothiazole	LC50	> 1270 mg/m3	rat
		Oral LD50	100 mg/kg	rat
		Dermal LD50	> 7,940 mg/kg	rabbit

**Additional Health Hazard Information:**

**Zinc bis dibutyldithiocarbamate 136-23-2** This material if ingested may cause an Antabuse response when alcohol is ingested. This Antabuse effect includes nausea, vomiting, abdominal cramps and/or flushing.

**12. ECOLOGICAL INFORMATION**

Persistence and degradability : No data available.

Environmental Toxicity : No data available.

Bioaccumulation Potential : No data available.

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Additional advice : No data available.

**13. DISPOSAL CONSIDERATIONS**

Product : Where possible, recycling is preferred to disposal or incineration. The generator of waste material has the responsibility for proper waste classification, transportation and disposal in accordance with applicable federal, state/provincial and local regulations.

Contaminated packaging : Recycling is preferred when possible. The generator of waste material has the responsibility for proper waste classification, transportation and disposal in accordance with applicable federal, state/provincial and local regulations.

**14. TRANSPORT INFORMATION**

U.S. DOT Classification : Refer to specific regulation.

ICAO/IATA : Refer to specific regulation.

IMO / IMDG : Refer to specific regulation.

**15. REGULATORY INFORMATION**

US Regulations:

OSHA Status : Classified as hazardous based on components.

TSCA Status : All components of this product are listed on the TSCA inventory or are exempt.

US. EPA CERCLA Hazardous Substances (40 CFR 302)

Not applicable

California Proposition 65 : This product does not contain a substance listed by California Prop 65.

SARA Title III Section 313 Toxic Chemicals:

Chemical Name	CAS-No.	Weight %
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Chemical Name	CAS-No.	Weight %
2-MERCAPTOBENZOTHAZOLE (MBT)	149-30-4	23.29
ZINC COMPOUNDS	136-23-2	23.53

## Canadian Regulations:

WHMIS Classification : D1B

## WHMIS Ingredient Disclosure List

CAS-No.
20941-65-5

DSL : Listed.

## National Inventories:

Australia AICS : Listed.

China IECS : Not determined.

Europe EINECS : Listed.

Japan ENCS : Not determined.

Korea KECI : Listed.

Philippines PICCS : Listed.

**16. OTHER INFORMATION**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.