



**MATERION**

# SAFETY DATA SHEET

## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

**Identification of the substance/preparation** **Copper Sulfide (CuS)**

**Version No.** 01

**Issue date** 23-April-2015

**CAS #** 1317-40-4

**SDS Number** C-MSDS0197

**Manufacturer information** Materion Advanced Chemicals Inc.  
407 N. 13th Street  
1316 W. St. Paul Avenue  
Milwaukee, WI 53233

United States  
advancedmaterials@materion.com  
414.212.0257

## 2. HAZARDS IDENTIFICATION

**Physical hazards** Not classified as a physical hazard.

**Health hazards** Not classified as a health hazard.

**Environmental hazards** Not classified as an environmental hazard.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Components	CAS #	Percent	EC-No.	Classification
Copper Sulfide	1317-40-4	100	215-271-2	

## 4. FIRST-AID MEASURES

## 5. FIRE-FIGHTING MEASURES

## 6. ACCIDENTAL RELEASE MEASURES

## 7. HANDLING AND STORAGE

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Occupational exposure limits** No exposure limits noted for ingredient(s).

**Biological limit values** No biological exposure limits noted for the ingredient(s).

**Recommended monitoring procedures**

**Additional exposure data** Not available.

**Personal protective equipment**

**Skin and body protection** Not available.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance**

**Physical state** Solid.

**Form** Not available.

**Colour** Not available.

**Odour** Not applicable.

**Odour threshold** Not applicable.

**pH** Not applicable.

**Boiling point** Not available.

**Flash point** Not available.

**Flammability limits in air, upper, % by volume** Not available.

<b>Flammability limits in air, lower, % by volume</b>	Not available.
<b>Vapour pressure</b>	< 0 kPa at 25 °C
<b>Relative density</b>	Not applicable.
<b>Solubility (water)</b>	Not available.
<b>Partition coefficient (n-octanol/water)</b>	Not available.
<b>Viscosity</b>	Not available.
<b>Vapour density</b>	Not applicable.
<b>Evaporation rate</b>	Not available.
<b>Melting point/freezing point</b>	Not available.
<b>Auto-ignition temperature</b>	Not available.
<b>VOC</b>	Not available.
<b>Molecular weight</b>	95,61 g/mol
<b>Molecular formula</b>	Cu-S
<b>Other data</b>	
<b>Decomposition temperature</b>	220 °C (428 °F)
<b>Density</b>	4,76 g/cm3 estimated
<b>Specific gravity</b>	4,76

## 10. STABILITY AND REACTIVITY

<b>Conditions to avoid</b>	Not available.
<b>Hazardous decomposition products</b>	Not available.

## 11. TOXICOLOGICAL INFORMATION

## 12. ECOLOGICAL INFORMATION

## 13. DISPOSAL CONSIDERATIONS

## 14. TRANSPORT INFORMATION

**ADR**  
Not regulated as dangerous goods.

**IATA**  
Not regulated as dangerous goods.

**IMDG**  
Not regulated as dangerous goods.

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** Not available.

## 15. REGULATORY INFORMATION

<b>Labeling</b>	
<b>Contains</b>	Copper Sulfide
<b>EC Number</b>	215-271-2
<b>R-phrases(s)</b>	None.
<b>S-phrases(s)</b>	None.

## 16. OTHER INFORMATION