1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: PHOTOCONDUCTOR

Supplier Identification:
Minolta Business Equipment (CANADA) Ltd.
369 Britannia Road East Mississauga, Ontario L4Z 2H5
Telephone: (905)890-6600 Facsimile: (905)890-8997

Emergency Telephone No.
Contact your regional poison control center.

2. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Ingredients:
Chemical Name: Arsenic triselenide (< 3%)
CAS No.: 1303-36-2
OSHA Z-Tables(USA): *0.5mg/m3
NTP(USA): Not listed
Symbol(EC): Not listed
DPG-MAK(EC): Not listed

Major Ingredients:
[Generic Name] [CAS No.] [%]
Substrate [CAS No.] >97
    Aluminum drum +++
Coating layer
    Arsenic triselenide 1303-36-2 < 3

+++: Supplier's confidential information
3. HAZARDS IDENTIFICATION
Arsenic triselenide is a hard brittle substance. When coated, it strongly adheres to an aluminum substrate, so there is no hazard as long as the drum is used as intended.

Most Important Hazards and Effects of the Products
For Human Health: No symptoms expected with intended use.
For the Environment: No data are available on the adverse effects of this product on the environment.
For Others: None
Specific Hazards: None

4. FIRST-AID MEASURES
Symptoms of Overexposure: No symptoms expected with intended use.
Routes of Entry: None

Information
Inhalation: No treatment is required.
Skin Contact: No treatment is required.
Eye Contact: No treatment is required.
Ingestion: No treatment is required.

Note to Physician: None
Further Information: None

5. FIRE-FIGHTING MEASURES
Suitable Extinguishing Media: CO2, water, foam and dry chemical
Extinguishing Media to Avoid: None
Special Firefighting Procedures: None
Fire and Explosion Hazards: This material has no unusual fire or explosive hazards.
Protection of Firefighters: No special equipment is required.

6. ACCIDENTAL RELEASE MEASURES
Personal Precautions: Not applicable with intended use.
Environmental Precautions: Not applicable with intended use.
Methods for Cleaning Up: Not applicable with intended use.
Further Information: None
7. HANDLING AND STORAGE

Handling
Technical Measures: None
Precautions: This product will be scorched in the case of fire.
Safe Handling Advice: None.

Storage
Technical Measures: None
Storage Conditions: Keep and Store in a cool and dry place.
Incompatible Products: None
Packing Materials: Cardboard box designated by Minolta.
Further Information: None

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Measures
Ventilation: None required with intended use.

Control Parameters
OSHA-PEL(USA): Not Applicable  ACGIH-TLV(USA): Not Applicable
DFG-MAK(ΕC): Not Applicable  Worksafe-TWA(Aust1): Not Applicable

Personal Protective Equipment
Respiratory protection: None required when used as intended in Minolta equipment.
Hand Protection: None required when used as intended in Minolta equipment.
Eye protection: None required when used as intended in Minolta equipment.
Skin Protection: None required when used as intended in Minolta equipment.
Other: None

Hygiene Measures: Wash hands after handling.
Further Information: None
9. PHYSICAL AND CHEMICAL PROPERTIES
   Appearance
   Physical State: Solid       Form: Cylinder     Color: Dark silver
   Odor: Odorless

   <Results of the coated compounds on the aluminum substrate.>>

   Boiling Point:              Not applicable
   Melting/Softening Point:    355 - 365
   Flash Point:                Not applicable
   pH:                         Not applicable
   Explosion Properties:      Not applicable
   Density (g/cm³):            4.8 - 5.8
   Solubility in water:        insoluble
   Flammability:               Not applicable
   Oxidizing Properties:      No data available
   Ignition Temperature (°C): No data available
   Vapor Pressure:             Not applicable
   Partition Coefficient, n-Octanol/Water: Not applicable

(*= Based on data for other Minolta Products with similar ingredients)

10. STABILITY AND REACTIVITY
    Stability: Stable [ X ]        Unstable [    ]
    Hazardous Reactions: None      
    Conditions to avoid: None      
    Materials to Avoid: None       
    Hazardous Decomposition Products: CO, CO2
    Further Information: None      

11. TOXICOLOGICAL INFORMATION
    Health Effects from Exposure: No symptoms expected with intended use.
    Toxicological Data
    <Result of the coated compounds on the aluminum substrate.>>

    Acute Toxicity:
    Inhalation, LC50 (mg/l):       Not applicable
    Ingestion (oral), LD50 (mg/kg): >5000 (Rats)
    Dermal, LD50 (mg/kg):          Not applicable
    Eye irritation:                Not an irritant (Rabbits)
    Skin irritation:               Not an irritant (Rabbits)
    Skin sensitizer:               No data available
    Mutagenicity:                  Negative (AMES test)
12. ECOLOGICAL INFORMATION

Mobility: No data are available on the adverse effects of this material on the environment.

Persistence/Depgradability: No data are available on the adverse effects of this material on the environment.

Bioaccumulation: No data are available on the adverse effects of this material on the environment.

Ecotoxicity

Behavior in Sewage Works: No data are available on the adverse effects of this material on the environment.

Aquatic Toxicity: No data are available on the adverse effects of this material on the environment.

Ecological Data(EC)

CsB Value(EC): No data are available on the adverse effects of this material on the environment.

AOX-Remark(EC): No data are available on the adverse effects of this material on the environment.

BsB5 Value(EC): No data are available on the adverse effects of this material on the environment.

Significant Components(EC): Not applicable

13. DISPOSAL CONSIDERATION

Appropriate Methods of Disposal

Preparation(community provisions):

Waste may be disposed or incinerated under conditions which meet all federal, state and local environmental regulations.

Contaminated Packaging:

Waste may be disposed or incinerated under conditions which meet all federal, state and local environmental regulations.
14. TRANSPORT INFORMATION

Special Precautions: None

Information on Code and Classifications According to International Regulations

UN Classification: None
Land
RID(EC): None
ADR(EC): None
DOT(USA): None

Inland Waterways
ADNR(Rhine R.): None

Sea
IMDG: None

Air
ICAO-TI: None
IATA-DGR: None

15. REGULATORY INFORMATION

US Information

Information on the label: Not required
SARA(Superfund Amendments and Reauthorization Act) Title III
302 Extreme Hazardous Substance: None
311/312 Hazard Categories: None
313 Reportable Ingredients: None

California Proposition 65:
This product contains no chemical substances subject to California Proposition 65.

EU Information

Symbol & Indication: Not required
R-Phrase: Not required
S-Phrase: Not required
16. OTHER INFORMATION

NFPA Hazard Rating: The National Fire Protection Agency (USA):
- Health: 0
- Flammability: 1
- Reactivity: 0

HMIS RATING: The National Paint and Coating Association (USA):
- Health: 0
- Flammability: 1
- Reactivity: 0

Recommended Uses:
Photoconductor for Electrophotographic Equipment

Restrictions:
Information on this data sheet represents our current data and the best opinion as to the proper use in handling of this product under normal conditions specified in our User's Manual. However, neither Minolta Co., Ltd. nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we do not guarantee that these are the only hazards which exist.

Literature References:
- ANSI Z400.1-1993
- TRGS 220: Sicherheitsdatenblatt für gefährliche Stoffe und Zubereitungen
- ISO 11014-1
- The Material Safety Data sheet: A Practical Guide to First Aid: Canadian Centre for Occupational Health and Safety’s publication
- HMIS IMPLEMENTATION MANUAL: National Paint & Coatings association