



SAFETY DATA SHEET

MATERION

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Name of the substance Tin Phosphide (SnP)
Identification number 246-848-7 (EC number)
Synonyms None.
Document number 2CY
Materion Code 2CY
Issue date 18-December-2015
Version number 03
Revision date 08-October-2018
Supersedes date 15-January-2018

1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified uses Not available.
Uses advised against None known.

1.3. Details of the supplier of the safety data sheet

Supplier

Company name Materion Advanced Chemicals Inc.
Address 407 N. 13th Street
1316 W. St. Paul Avenue
Milwaukee, WI 53233
United States
Division Milwaukee
Telephone 414.212.0257
e-mail advancedmaterials@materion.com
Contact person Noreen Atkinson

1.4. Emergency telephone number

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

The substance has been assessed and/or tested for its physical, health and environmental hazards and the following classification applies.

Classification according to Regulation (EC) No 1272/2008 as amended

Physical hazards

Substances and mixtures which, in contact with water, emit flammable gases Category 1

H260 - In contact with water releases flammable gases which may ignite spontaneously.

Hazard summary

Reacts violently with water. In contact with water releases flammable gases which may ignite spontaneously. Not classified for health hazards. However, occupational exposure to the mixture or substance(s) may cause adverse health effects. The material as sold in solid form is generally not considered hazardous. However, if the process involves grinding, melting, cutting or any other process that causes a release of dust or fumes, hazardous levels of airborne particulate could be generated.

2.2. Label elements

Label according to Regulation (EC) No. 1272/2008 as amended

Contains: Tin Phosphide (SnP)

Hazard pictograms



Signal word Danger

Hazard statements

H260 In contact with water releases flammable gases which may ignite spontaneously.

Precautionary statements

Prevention

P223 Do not allow contact with water.
P231 + P232 Handle under inert gas. Protect from moisture.
P280 Wear protective gloves/eye protection/face protection.

Response

P335 + P334 Brush off loose particles from skin. Immerse in cool water/wrap in wet bandages.
P370 + P378 In case of fire: Use appropriate media to extinguish.

Storage

P402 + P404 Store in a dry place. Store in a closed container.

Disposal

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

Supplemental label information

100 % of the mixture consists of component(s) of unknown acute oral toxicity. 100 % of the mixture consists of component(s) of unknown acute dermal toxicity. 100 % of the mixture consists of component(s) of unknown acute hazards to the aquatic environment. 100 % of the mixture consists of component(s) of unknown long-term hazards to the aquatic environment. EUH014 - Reacts violently with water.

For further information, please contact the Product Stewardship Department at +1.800.862.4118.

2.3. Other hazards

Not a PBT or vPvB substance or mixture.

SECTION 3: Composition/information on ingredients

3.1. Substances

General information

| Chemical name | % | CAS-No. / EC No. | REACH Registration No. | INDEX No. | Notes |
|------------------------|---------------------|-------------------------|------------------------|-----------|-------|
| Tin Phosphide (SnP) | 100 | 25324-56-5 246-848-7 | - | - | # |
| Classification: | Water-React. 1;H260 | | | | |

List of abbreviations and symbols that may be used above

#: This substance has been assigned Union workplace exposure limit(s).

M: M-factor

PBT: persistent, bioaccumulative and toxic substance.

vPvB: very persistent and very bioaccumulative substance.

All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

Composition comments

The full text for all H-statements is displayed in section 16.

SECTION 4: First aid measures

General information

Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

4.1. Description of first aid measures

Inhalation

Move to fresh air. Call a physician if symptoms develop or persist.

Skin contact

Brush off loose particles from skin. Immerse in cool water/wrap in wet bandages. Get medical attention if irritation develops and persists.

Eye contact

Rinse with water. Get medical attention if irritation develops and persists.

Ingestion

Rinse mouth. Get medical attention if symptoms occur.

4.2. Most important symptoms and effects, both acute and delayed

Direct contact with eyes may cause temporary irritation.

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

General fire hazards

In contact with water releases flammable gases which may ignite spontaneously.

5.1. Extinguishing media

Suitable extinguishing media

Not available.

Unsuitable extinguishing media

Water.

| | |
|---|---|
| 5.2. Special hazards arising from the substance or mixture | Water reactive material. |
| 5.3. Advice for firefighters | |
| Special protective equipment for firefighters | Self-contained breathing apparatus and full protective clothing must be worn in case of fire. |
| Special firefighting procedures | Do not get water inside container. |
| Specific methods | Use standard firefighting procedures and consider the hazards of other involved materials. |

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

For emergency responders Keep unnecessary personnel away. Use personal protection recommended in Section 8 of the SDS.

6.2. Environmental precautions Avoid discharge into drains, water courses or onto the ground.

6.3. Methods and material for containment and cleaning up Do not get water on spilled substance or inside containers. Stop the flow of material, if this is without risk. Cover with DRY earth, DRY sand or other non-combustible material followed with plastic sheet to minimise spreading or contact with rain.

6.4. Reference to other sections For personal protection, see section 8 of the SDS. For waste disposal, see section 13 of the SDS.

SECTION 7: Handling and storage

7.1. Precautions for safe handling Keep away from any possible contact with water, because of violent reaction and possible flash fire. Handle under inert gas. Avoid prolonged exposure. Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.

7.2. Conditions for safe storage, including any incompatibilities Never allow product to get in contact with water during storage. Store in a cool, dry place out of direct sunlight. Store in original tightly closed container. Store in a dry place. Store in a building without sprinklers. Store away from incompatible materials (see Section 10 of the SDS).

7.3. Specific end use(s) Not available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limits

Austria. MAK List, OEL Ordinance (GwV), BGBl. II, no. 184/2001

| Material | Type | Value | Form |
|--------------------------------------|------|---------------------|---------------------|
| Tin Phosphide (SnP) (CAS 25324-56-5) | MAK | 2 mg/m ³ | Inhalable fraction. |
| | STEL | 4 mg/m ³ | Inhalable fraction. |

Belgium. Exposure Limit Values.

| Material | Type | Value |
|--------------------------------------|------|---------------------|
| Tin Phosphide (SnP) (CAS 25324-56-5) | TWA | 2 mg/m ³ |

Bulgaria. OELs. Regulation No 13 on protection of workers against risks of exposure to chemical agents at work

| Material | Type | Value |
|--------------------------------------|------|---------------------|
| Tin Phosphide (SnP) (CAS 25324-56-5) | TWA | 2 mg/m ³ |

Czech Republic. OELs. Government Decree 361

| Material | Type | Value |
|--------------------------------------|---------|---------------------|
| Tin Phosphide (SnP) (CAS 25324-56-5) | Ceiling | 4 mg/m ³ |
| | TWA | 2 mg/m ³ |

Denmark. Exposure Limit Values

| Material | Type | Value |
|--------------------------------------|------|---------------------|
| Tin Phosphide (SnP) (CAS 25324-56-5) | TLV | 2 mg/m ³ |

Estonia. OELs. Occupational Exposure Limits of Hazardous Substances. (Annex of Regulation No. 293 of 18 September 2001)

| Material | Type | Value | |
|--|-------------|---------------------|---------------------|
| Tin Phosphide (SnP) (CAS 25324-56-5) | TWA | 2 mg/m ³ | |
| Finland. Workplace Exposure Limits | | | |
| Material | Type | Value | |
| Tin Phosphide (SnP) (CAS 25324-56-5) | TWA | 2 mg/m ³ | |
| Greece. OELs (Decree No. 90/1999, as amended) | | | |
| Material | Type | Value | |
| Tin Phosphide (SnP) (CAS 25324-56-5) | TWA | 2 mg/m ³ | |
| Hungary. OELs. Joint Decree on Chemical Safety of Workplaces | | | |
| Material | Type | Value | |
| Tin Phosphide (SnP) (CAS 25324-56-5) | STEL | 8 mg/m ³ | |
| | TWA | 2 mg/m ³ | |
| Iceland. OELs. Regulation 154/1999 on occupational exposure limits | | | |
| Material | Type | Value | |
| Tin Phosphide (SnP) (CAS 25324-56-5) | TWA | 2 mg/m ³ | |
| Ireland. Occupational Exposure Limits | | | |
| Material | Type | Value | |
| Tin Phosphide (SnP) (CAS 25324-56-5) | TWA | 2 mg/m ³ | |
| Latvia. OELs. Occupational exposure limit values of chemical substances in work environment | | | |
| Material | Type | Value | |
| Tin Phosphide (SnP) (CAS 25324-56-5) | TWA | 2 mg/m ³ | |
| Lithuania. OELs. Limit Values for Chemical Substances, General Requirements | | | |
| Material | Type | Value | |
| Tin Phosphide (SnP) (CAS 25324-56-5) | TWA | 2 mg/m ³ | |
| Luxembourg. Binding Occupational exposure limit values (Annex I), Memorial A | | | |
| Material | Type | Value | |
| Tin Phosphide (SnP) (CAS 25324-56-5) | TWA | 2 mg/m ³ | |
| Malta. OELs. Occupational Exposure Limit Values (L.N. 227. of Occupational Health and Safety Authority Act (CAP. 424), Schedules I and V) | | | |
| Material | Type | Value | |
| Tin Phosphide (SnP) (CAS 25324-56-5) | TWA | 2 mg/m ³ | |
| Netherlands. OELs (binding) | | | |
| Material | Type | Value | |
| Tin Phosphide (SnP) (CAS 25324-56-5) | TWA | 2 mg/m ³ | |
| Norway. Administrative Norms for Contaminants in the Workplace | | | |
| Material | Type | Value | |
| Tin Phosphide (SnP) (CAS 25324-56-5) | TLV | 2 mg/m ³ | |
| Poland. MACs. Regulation regarding maximum permissible concentrations and intensities of harmful factors in the work environment, Annex 1 | | | |
| Material | Type | Value | Form |
| Tin Phosphide (SnP) (CAS 25324-56-5) | TWA | 2 mg/m ³ | Inhalable fraction. |

Portugal. OELs. Decree-Law n. 290/2001 (Journal of the Republic - 1 Series A, n.266)

| Material | Type | Value |
|--------------------------------------|------|---------------------|
| Tin Phosphide (SnP) (CAS 25324-56-5) | TWA | 2 mg/m ³ |

Portugal. VLEs. Norm on occupational exposure to chemical agents (NP 1796)

| Material | Type | Value |
|--------------------------------------|------|---------------------|
| Tin Phosphide (SnP) (CAS 25324-56-5) | TWA | 2 mg/m ³ |

Romania. OELs. Protection of workers from exposure to chemical agents at the workplace

| Material | Type | Value |
|--------------------------------------|------|---------------------|
| Tin Phosphide (SnP) (CAS 25324-56-5) | TWA | 2 mg/m ³ |

Slovakia. OELs. Regulation No. 300/2007 concerning protection of health in work with chemical agents

| Material | Type | Value |
|--------------------------------------|------|---------------------|
| Tin Phosphide (SnP) (CAS 25324-56-5) | STEL | 4 mg/m ³ |
| | TWA | 2 mg/m ³ |

Slovenia. OELs. Regulations concerning protection of workers against risks due to exposure to chemicals while working (Official Gazette of the Republic of Slovenia)

| Material | Type | Value |
|--------------------------------------|------|---------------------|
| Tin Phosphide (SnP) (CAS 25324-56-5) | TWA | 2 mg/m ³ |

Spain. Occupational Exposure Limits

| Material | Type | Value |
|--------------------------------------|------|---------------------|
| Tin Phosphide (SnP) (CAS 25324-56-5) | TWA | 2 mg/m ³ |

Sweden. OELs. Work Environment Authority (AV), Occupational Exposure Limit Values (AFS 2015:7)

| Material | Type | Value | Form |
|--------------------------------------|------|---------------------|-----------------|
| Tin Phosphide (SnP) (CAS 25324-56-5) | TWA | 2 mg/m ³ | Inhalable dust. |

Switzerland. SUVA Grenzwerte am Arbeitsplatz

| Material | Type | Value | Form |
|--------------------------------------|------|---------------------|-----------------|
| Tin Phosphide (SnP) (CAS 25324-56-5) | STEL | 4 mg/m ³ | Inhalable dust. |
| | TWA | 2 mg/m ³ | Inhalable dust. |

UK. EH40 Workplace Exposure Limits (WELs)

| Material | Type | Value |
|--------------------------------------|------|---------------------|
| Tin Phosphide (SnP) (CAS 25324-56-5) | STEL | 4 mg/m ³ |
| | TWA | 2 mg/m ³ |

EU. Indicative Exposure Limit Values in Directives 91/322/EEC, 2000/39/EC, 2006/15/EC, 2009/161/EU

| Material | Type | Value |
|--------------------------------------|------|---------------------|
| Tin Phosphide (SnP) (CAS 25324-56-5) | TWA | 2 mg/m ³ |

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

Recommended monitoring procedures Follow standard monitoring procedures.

Derived no effect levels (DNELs) Not available.

Predicted no effect concentrations (PNECs) Not available.

8.2. Exposure controls

Appropriate engineering controls Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

Individual protection measures, such as personal protective equipment

| | |
|--|---|
| General information | Personal protection equipment should be chosen according to the CEN standards and in discussion with the supplier of the personal protective equipment. |
| Eye/face protection | Wear safety glasses with side shields (or goggles). |
| Skin protection | |
| - Hand protection | Wear appropriate chemical resistant gloves. |
| - Other | Wear suitable protective clothing. |
| Respiratory protection | In case of insufficient ventilation, wear suitable respiratory equipment. |
| Thermal hazards | Wear appropriate thermal protective clothing, when necessary. |
| Hygiene measures | Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. |
| Environmental exposure controls | Environmental manager must be informed of all major releases. |

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance

| | |
|--|----------------|
| Physical state | Solid. |
| Form | Solid. |
| Colour | Not available. |
| Odour | Not available. |
| Odour threshold | Not available. |
| pH | Not available. |
| Melting point/freezing point | Not available. |
| Initial boiling point and boiling range | Not available. |
| Flash point | Not available. |
| Evaporation rate | Not available. |
| Flammability (solid, gas) | Not available. |

Upper/lower flammability or explosive limits

| | |
|---------------------------------------|----------------|
| Flammability limit - lower (%) | Not available. |
| Flammability limit - upper (%) | Not available. |

| | |
|-------------------------|----------------|
| Vapour pressure | Not available. |
| Vapour density | Not available. |
| Relative density | Not available. |
| Solubility(ies) | |

Solubility (water) Not available.

Partition coefficient (n-octanol/water) Not available.

Auto-ignition temperature Not available.

Decomposition temperature Not available.

Viscosity Not available.

Explosive properties Not explosive.

Oxidising properties Not oxidising.

9.2. Other information

Molecular formula PSn

SECTION 10: Stability and reactivity

10.1. Reactivity In contact with water releases flammable gases.

10.2. Chemical stability Material reacts with water.

10.3. Possibility of hazardous reactions No dangerous reaction known under conditions of normal use.

10.4. Conditions to avoid Exposure to moisture. Exposure to water vapour. Contact with incompatible materials.

10.5. Incompatible materials Strong oxidising agents.

10.6. Hazardous decomposition products

Irritating and/or toxic fumes and gases may be emitted upon the product's decomposition.

SECTION 11: Toxicological information

General information Occupational exposure to the substance or mixture may cause adverse effects.

Information on likely routes of exposure

| | |
|---------------------|---|
| Inhalation | Prolonged inhalation may be harmful. |
| Skin contact | No adverse effects due to skin contact are expected. |
| Eye contact | Direct contact with eyes may cause temporary irritation. |
| Ingestion | May cause discomfort if swallowed. However, ingestion is not likely to be a primary route of occupational exposure. |

Symptoms Exposure may cause temporary irritation, redness, or discomfort.

11.1. Information on toxicological effects

| | |
|--|---|
| Acute toxicity | Not known. |
| Skin corrosion/irritation | Due to partial or complete lack of data the classification is not possible. |
| Serious eye damage/eye irritation | Due to partial or complete lack of data the classification is not possible. |
| Respiratory sensitisation | Due to partial or complete lack of data the classification is not possible. |
| Skin sensitisation | Due to partial or complete lack of data the classification is not possible. |
| Germ cell mutagenicity | Due to partial or complete lack of data the classification is not possible. |
| Carcinogenicity | Due to partial or complete lack of data the classification is not possible. |

Hungary. 26/2000 EüM Ordinance on protection against and preventing risk relating to exposure to carcinogens at work (as amended)

Not listed.

| | |
|---|---|
| Reproductive toxicity | Due to partial or complete lack of data the classification is not possible. |
| Specific target organ toxicity - single exposure | Due to partial or complete lack of data the classification is not possible. |
| Specific target organ toxicity - repeated exposure | Due to partial or complete lack of data the classification is not possible. |
| Aspiration hazard | Due to partial or complete lack of data the classification is not possible. |
| Mixture versus substance information | No information available. |
| Other information | Not available. |

SECTION 12: Ecological information

| | |
|--|---|
| 12.1. Toxicity | Due to partial or complete lack of data the classification for hazardous to the aquatic environment, is not possible. |
| 12.2. Persistence and degradability | No data is available on the degradability of this product. |
| 12.3. Bioaccumulative potential | No data available. |
| Partition coefficient n-octanol/water (log Kow) | Not available. |
| Bioconcentration factor (BCF) | Not available. |
| 12.4. Mobility in soil | No data available. |
| 12.5. Results of PBT and vPvB assessment | Not a PBT or vPvB substance or mixture. |
| 12.6. Other adverse effects | No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component. |

12.7. Additional information

Estonia Dangerous substances in groundwater Data

| | |
|--------------------------------------|-------------------|
| Tin Phosphide (SnP) (CAS 25324-56-5) | Tin (Sn) 150 UG/L |
| | Tin (Sn) 3 UG/L |

Estonia Dangerous substances in soil Data

| | |
|--------------------------------------|--------------------|
| Tin Phosphide (SnP) (CAS 25324-56-5) | Tin (Sn) 10 mg/kg |
| | Tin (Sn) 300 mg/kg |
| | Tin (Sn) 50 mg/kg |

SECTION 13: Disposal considerations

13.1. Waste treatment methods

| | |
|-------------------------------------|--|
| Residual waste | Dispose of in accordance with local regulations. |
| Contaminated packaging | Do not re-use empty containers. |
| EU waste code | The Waste code should be assigned in discussion between the user, the producer and the waste disposal company. |
| Disposal methods/information | Dispose of contents/container in accordance with local/regional/national/international regulations. |
| Special precautions | Dispose in accordance with all applicable regulations. |

SECTION 14: Transport information

ADR

| | |
|---|---|
| 14.1. UN number | UN1433 |
| 14.2. UN proper shipping name | STANNIC PHOSPHIDES |
| 14.3. Transport hazard class(es) | |
| Class | 4.3 |
| Subsidiary risk | 6.1(PGI, II) |
| Label(s) | 4.3 +6.1 |
| Hazard No. (ADR) | Not available. |
| Tunnel restriction code | E |
| 14.4. Packing group | I |
| 14.5. Environmental hazards | No. |
| 14.6. Special precautions for user | Read safety instructions, SDS and emergency procedures before handling. |

RID

| | |
|---|---|
| 14.1. UN number | UN1433 |
| 14.2. UN proper shipping name | STANNIC PHOSPHIDES |
| 14.3. Transport hazard class(es) | |
| Class | 4.3 |
| Subsidiary risk | 6.1(PGI, II) |
| Label(s) | 4.3+6.1 |
| 14.4. Packing group | I |
| 14.5. Environmental hazards | No. |
| 14.6. Special precautions for user | Read safety instructions, SDS and emergency procedures before handling. |

ADN

| | |
|---|---|
| 14.1. UN number | UN1433 |
| 14.2. UN proper shipping name | STANNIC PHOSPHIDES |
| 14.3. Transport hazard class(es) | |
| Class | 4.3 |
| Subsidiary risk | 6.1(PGI, II) |
| Label(s) | 4.3+6.1 |
| 14.4. Packing group | I |
| 14.5. Environmental hazards | No. |
| 14.6. Special precautions for user | Read safety instructions, SDS and emergency procedures before handling. |

IATA

| | |
|---|--------------------|
| 14.1. UN number | UN1433 |
| 14.2. UN proper shipping name | Stannic phosphides |
| 14.3. Transport hazard class(es) | |
| Class | 4.3 |
| Subsidiary risk | 6.1(PGI, II) |
| 14.4. Packing group | I |
| 14.5. Environmental hazards | No. |

| | |
|---|---|
| ERG Code | 4PW |
| 14.6. Special precautions for user | Read safety instructions, SDS and emergency procedures before handling. |
| Other information | |
| Passenger and cargo aircraft | Forbidden |
| Cargo aircraft only | Allowed with restrictions. |

IMDG

| | |
|---|---|
| 14.1. UN number | UN1433 |
| 14.2. UN proper shipping name | STANNIC PHOSPHIDE |
| 14.3. Transport hazard class(es) | |
| Class | 4.3 |
| Subsidiary risk | 6.1(PGI, II) |
| 14.4. Packing group | I |
| 14.5. Environmental hazards | |
| Marine pollutant | No. |
| EmS | F-G, S-N |
| 14.6. Special precautions for user | Read safety instructions, SDS and emergency procedures before handling. |

ADN; ADR; IATA; IMDG; RID



SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

EU regulations

Regulation (EC) No. 1005/2009 on substances that deplete the ozone layer, Annex I and II, as amended
Not listed.

Regulation (EC) No. 850/2004 On persistent organic pollutants, Annex I as amended
Not listed.

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 1 as amended
Not listed.

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 2 as amended
Not listed.

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 3 as amended
Not listed.

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex V as amended
Not listed.

Regulation (EC) No. 166/2006 Annex II Pollutant Release and Transfer Registry, as amended
Not listed.

Regulation (EC) No. 1907/2006, REACH Article 59(10) Candidate List as currently published by ECHA
Not listed.

Authorisations

Regulation (EC) No. 1907/2006, REACH Annex XIV Substances subject to authorization, as amended
Not listed.

Restrictions on use

Regulation (EC) No. 1907/2006, REACH Annex XVII Substances subject to restriction on marketing and use as amended
Not listed.

Directive 2004/37/EC: on the protection of workers from the risks related to exposure to carcinogens and mutagens at work, as amended.

Not listed.

Other EU regulations

Directive 2012/18/EU on major accident hazards involving dangerous substances, as amended

Not listed.

Other regulations

This Safety Data Sheet complies with the requirements of Regulation (EC) No 1907/2006, as amended. The product is classified and labelled in accordance with Regulation (EC) 1272/2008 (CLP Regulation) as amended. Additional information is given in the Safety Data Sheet.

National regulations

Follow national regulation for work with chemical agents.

15.2. Chemical safety assessment

No Chemical Safety Assessment has been carried out.

SECTION 16: Other information

List of abbreviations

Not available.

Information on evaluation method leading to the classification of mixture

Not applicable.

Disclaimer

Materion Advanced Chemicals Inc. cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used. It is the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use. This document has been prepared using data from sources considered to be technically reliable and the information is believed to be correct. Materion makes no warranties, expressed or implied, as to the accuracy of the information contained herein. Materion cannot anticipate all conditions under which this information and its products may be used and the actual conditions of use are beyond its control. The user is responsible to evaluate all available information when using this product for any particular use and to comply with all Federal, State, Provincial and Local laws, statutes and regulations.