



SAFETY DATA SHEET

Issue Date 29-Jun-2022

Revision Date 29-Jun-2022

Version 1

Section 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product Code SAC068
Product Name Uncrushed Niobium E.B. Furnace Slag

Synonyms Uncrushed Niobium Electron Beam Furnace Slag, Uncrushed Columbium E.B. Furnace Slag

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

Recommended Use Chemical intermediate

Uses advised against

1.3. Details of the supplier of the safety data sheet

1.4. Emergency telephone number

Emergency Telephone Chemtrec: +1-703-741-5970

Section 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Regulation (EC) No 1272/2008

2.2. Label elements

Emergency Overview

Appearance Chunks with powder **Physical state** Solid **Odour** Odourless

2.3 Hazards not otherwise classified (HNOC)

Not applicable

Other Information

Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Synonyms Uncrushed Niobium Electron Beam Furnace Slag, Uncrushed Columbium E.B. Furnace Slag.

| Chemical Name | EC No | CAS No | Weight-% |
|---------------|-------|--------|----------|
|---------------|-------|--------|----------|

| | | | |
|-----------------------|-----------|-------------|--------|
| Niobium | 231-113-5 | 7440-03-1 | 5 - 65 |
| Diiron trioxide | 215-168-2 | 1309-37-1 | 0 - 23 |
| Hafnium Dioxide | 235-013-2 | 12055-23-1 | 0 - 18 |
| Diniobium Pentaoxide | 215-213-6 | 1313-96-8 | 5 - 15 |
| Aluminium | 231-072-3 | 7429-90-5 | 1 - 15 |
| Aluminium Oxide | 215-691-6 | 1344-28-1 | 1 - 13 |
| Zirconium Dioxide | 215-227-2 | 1314-23-4 | 1 - 10 |
| Titanium Dioxide | 236-675-5 | 13463-67-7 | 0 - 6 |
| Barium Aluminate | 234-445-9 | 12004-04-05 | 0 - 2 |
| Ditantalum Pentaoxide | 215-238-2 | 1314-61-0 | 0 - 1 |

Section 4: FIRST AID MEASURES

4.1. Description of first aid measures

| | |
|---------------------|---|
| Inhalation | If excessive amounts of smoke, fume, or particulate are inhaled during processing, remove to fresh air and consult a qualified health professional. |
| Skin Contact | None under normal use conditions. |
| Eye contact | In the case of particles coming in contact with eyes during processing, treat as with any foreign object. |
| Ingestion | IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. |

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

Symptoms None anticipated.

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

Note to doctors Treat symptomatically.

Section 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Suitable extinguishing media

Product not flammable in the form as distributed, flammable as finely divided particles or pieces resulting from processing of this product.

Unsuitable extinguishing media

Do not spray water on burning metal as an explosion may occur. This explosive characteristic is caused by the hydrogen and steam generated by the reaction of water with the burning material

5.2. Special hazards arising from the substance or mixture

May ignite when crushed. Intense heat Very fine, high surface area material resulting from grinding, buffing, polishing, or similar processes of this product may ignite spontaneously at room temperature WARNING: Fine particles resulting from grinding, buffing, polishing, or similar processes of this product may form combustible dust-air mixtures. Keep particles away from all ignition sources including heat, sparks, and flame. Prevent dust accumulations to minimise combustible dust hazard

Hazardous combustion products Not applicable.

5.3. Advice for firefighters

Wear self-contained breathing apparatus and protective suit. Use personal protective equipment as required.

Section 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures**Personal precautions**

Use personal protective equipment as required.

For emergency responders

Use personal protective equipment as required.

6.2. Environmental precautions

Collect spillage to prevent release to the environment.

6.3. Methods and material for containment and cleaning up

Methods for containment Prevent further leakage or spillage if safe to do so.

Methods for cleaning up Sweep or shovel material into dry containers. Avoid creating uncontrolled dust.

6.4. Reference to other sections

See Section 12: ECOLOGICAL INFORMATION.

Section 7: HANDLING AND STORAGE**7.1. Precautions for safe handling****Advice on safe handling**

May ignite when crushed. Very fine, high surface area material resulting from processing this product may ignite spontaneously at room temperature. WARNING: Fine particles of this product may form combustible dust-air mixtures. Keep particles away from all ignition sources including heat, sparks, and flame. Prevent dust accumulations to minimise combustible dust hazard.

General Hygiene Considerations

Handle in accordance with good industrial hygiene and safety practice.

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

Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity).

Incompatible materials

Dissolves in hydrofluoric acid.

7.3. Specific end use(s)**Risk Management Methods (RMM)**

Not required.

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**8.1. Control parameters**

| Chemical Name | European Union | United Kingdom | France | Spain | Germany |
|-----------------------------------|----------------|--|---|---|--|
| Niobium 7440-03-1 | - | - | - | - | - |
| Diiron trioxide 1309-37-1 | - | - | - | - | - |
| Hafnium Dioxide 12055-23-1 | - | - | - | TWA: 0.5 mg/m ³ | - |
| Diniobium Pentaoxide 1313-96-8 | - | - | - | - | - |
| Aluminium 7429-90-5 | - | STEL: 30 mg/m ³ STEL: 12 mg/m ³ | TWA: 10 mg/m ³ TWA: 5 mg/m ³ | TWA: 10 mg/m ³ TWA: 5 mg/m ³ | TWA: 4 mg/m ³ TWA: 1.5 mg/m ³ |

| | | | | | |
|------------------------------------|---|---|--|---|--|
| | | TWA: 10 mg/m ³ TWA: 4 mg/m ³ | | | |
| Aluminium Oxide 1344-28-1 | - | TWA: 10 mg/m ³ TWA: 4 mg/m ³ | TWA: 10 mg/m ³ | TWA: 10 mg/m ³ | TWA: 4 mg/m ³ TWA: 1.5 mg/m ³ Skin |
| Zirconium Dioxide 1314-23-4 | - | TWA: 5 mg/m ³ | - | STEL: 10 mg/m ³ TWA: 5 mg/m ³ | - |
| Titanium Dioxide 13463-67-7 | - | STEL: 30 mg/m ³ STEL: 12 mg/m ³ TWA: 10 mg/m ³ TWA: 4 mg/m ³ | TWA: 10 mg/m ³ | TWA: 10 mg/m ³ | Skin |
| Barium Aluminate 12004-04-05 | - | - | - | - | - |
| Ditantalum Pentaoxide 1314-61-0 | - | - | - | - | - |
| Chemical Name | Italy | Portugal | Netherlands | Finland | Denmark |
| Niobium 7440-03-1 | - | - | - | - | TWA: 5 mg/m ³ TWA: 0.5 mg/m ³ |
| Diiron trioxide 1309-37-1 | - | - | - | - | - |
| Hafnium Dioxide 12055-23-1 | - | TWA: 0.5 mg/m ³ | - | TWA: 0.5 mg/m ³ | - |
| Diniobium Pentaoxide 1313-96-8 | - | - | - | - | - |
| Aluminium 7429-90-5 | - | TWA: 10 mg/m ³ TWA: 5 mg/m ³ | TWA: 0.05 mg/m ³ | TWA: 1.5 mg/m ³ | TWA: 5 mg/m ³ TWA: 2 mg/m ³ |
| Aluminium Oxide 1344-28-1 | - | TWA: 10 mg/m ³ | TWA: 0.05 mg/m ³ | - | TWA: 5 mg/m ³ TWA: 2 mg/m ³ |
| Zirconium Dioxide 1314-23-4 | - | STEL: 10 mg/m ³ TWA: 5 mg/m ³ | - | TWA: 1 mg/m ³ | TWA: 5 mg/m ³ |
| Titanium Dioxide 13463-67-7 | - | TWA: 10 mg/m ³ | - | - | TWA: 6 mg/m ³ |
| Barium Aluminate 12004-04-05 | - | - | - | - | - |
| Ditantalum Pentaoxide 1314-61-0 | - | TWA: 5 mg/m ³ | - | TWA: 5 mg/m ³ | TWA: 5 mg/m ³ |
| Chemical Name | Austria | Switzerland | Poland | Norway | Ireland |
| Niobium 7440-03-1 | STEL 10 mg/m ³ STEL 1 mg/m ³ TWA: 5 mg/m ³ TWA: 0.5 mg/m ³ | - | - | - | - |
| Diiron trioxide 1309-37-1 | - | - | - | - | - |
| Hafnium Dioxide 12055-23-1 | TWA: 0.5 mg/m ³ | - | TWA: 0.5 mg/m ³ | - | - |
| Diniobium Pentaoxide 1313-96-8 | - | - | - | - | - |
| Aluminium 7429-90-5 | STEL 20 mg/m ³ TWA: 10 mg/m ³ | TWA: 3 mg/m ³ | TWA: 2.5 mg/m ³ TWA: 1.2 mg/m ³ | TWA: 5 mg/m ³ STEL: 10 mg/m ³ | TWA: 1 mg/m ³ TWA: 5 mg/m ³ |
| Aluminium Oxide 1344-28-1 | STEL 10 mg/m ³ TWA: 5 mg/m ³ | STEL: 24 mg/m ³ TWA: 3 mg/m ³ | TWA: 2.5 mg/m ³ TWA: 1.2 mg/m ³ | TWA: 10 mg/m ³ STEL: 20 mg/m ³ | TWA: 10 mg/m ³ TWA: 4 mg/m ³ |
| Zirconium Dioxide 1314-23-4 | TWA: 5 mg/m ³ | TWA: 5 mg/m ³ | STEL: 10 mg/m ³ TWA: 5 mg/m ³ | TWA: 5 mg/m ³ STEL: 10 mg/m ³ | TWA: 5 mg/m ³ STEL: 10 mg/m ³ |
| Titanium Dioxide 13463-67-7 | STEL 10 mg/m ³ TWA: 5 mg/m ³ | TWA: 3 mg/m ³ | STEL: 30 mg/m ³ TWA: 10.0 mg/m ³ TWA: 10 mg/m ³ | TWA: 5 mg/m ³ STEL: 10 mg/m ³ | TWA: 10 mg/m ³ TWA: 4 mg/m ³ |
| Barium Aluminate 12004-04-05 | - | - | - | - | - |
| Ditantalum Pentaoxide 1314-61-0 | STEL 10 mg/m ³ TWA: 5 mg/m ³ | - | - | - | - |

Derived No Effect Level (DNEL) No DNELs are available for this product as a whole

Predicted No Effect Concentration (PNEC) No PNECs are available for this product as a whole.

8.2. Exposure controls

Engineering Controls Avoid generation of uncontrolled particles.

Personal protective equipment

Eye/face protection

When airborne particles may be present, appropriate eye protection is recommended. For example, tight-fitting goggles, foam-lined safety glasses or other protective equipment that shield the eyes from particles.

Skin and body protection

Fire/flame resistant/retardant clothing may be appropriate during hot work with the product.

Respiratory protection

When particulates/fumes/gases are generated and if exposure limits are exceeded or irritation is experienced, proper approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminate concentrations. Respiratory protection must be provided in accordance with current local regulations.

Environmental exposure controls Section 6: ACCIDENTAL RELEASE MEASURES.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

| | | | |
|---------------------------------------|-------------------------|-------------------------|----------------|
| Physical state | Solid | Odour | Odourless |
| Appearance | Chunks with powder | Odour threshold | Not applicable |
| Colour | metallic grey or Silver | | |
| Property | Values | Remarks • Method | |
| pH | - | Not applicable | |
| Melting point / freezing point | 1800 °C / 3270 °F | | |
| Boiling point / boiling range | - | | |
| Flash point | - | Not applicable | |
| Evaporation rate | - | Not applicable | |
| Flammability (solid, gas) | - | Not flammable | |
| Flammability Limit in Air | | | |
| Upper flammability limit: | | - | |
| Lower flammability limit | | - | |
| Vapour pressure | - | Not applicable | |
| Vapour density | - | Not applicable | |
| Specific Gravity | 5-7 | | |
| Water solubility | - | | |
| Solubility(ies) | | | |
| Partition coefficient | - | Not applicable | |
| Autoignition temperature | - | Not applicable | |
| Decomposition temperature | - | Not applicable | |
| Kinematic viscosity | - | Not applicable | |
| Dynamic viscosity | - | | |
| Explosive properties | Not applicable | | |
| Oxidising properties | Not applicable | | |

9.2. Other information

| | |
|-------------------------|----------------------------|
| Softening point | - |
| Molecular weight | - |
| VOC Content (%) | Not applicable |
| Density | - |
| Bulk density | 140-160 lb/ft ³ |

Section 10: STABILITY AND REACTIVITY

10.1. Reactivity

Not applicable.

10.2. Chemical stability

Stable under normal conditions.

Explosion data

Sensitivity to Mechanical Impact None.
Sensitivity to Static Discharge None.

10.3. Possibility of hazardous reactions

Hazardous polymerisation

Hazardous polymerisation does not occur.

Possibility of Hazardous Reactions

May ignite when crushed.

10.4. Conditions to avoid

Dust formation and dust accumulation.

10.5. Incompatible materials

Dissolves in hydrofluoric acid.

10.6. Hazardous decomposition products

Not applicable.

Section 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Product Information

Inhalation Product not classified.
Eye contact Product not classified.
Skin Contact Product not classified.
Ingestion Product not classified.

| Chemical Name | Oral LD50 | Dermal LD50 | Inhalation LC50 |
|-----------------------|-------------------|-----------------|-----------------|
| Niobium | > 10,000 mg/kg bw | > 2000 mg/kg bw | - |
| Diiron trioxide | > 5000 mg/kg bw | - | > 5 mg/L |
| Hafnium Dioxide | >2000 mg/kg bw | - | >4.3 mg/L |
| Diniobium Pentaoxide | > 8000 mg/kg bw | - | > 3.89 mg/L |
| Aluminium | 15,900 mg/kg bw | - | > 1 mg/L |
| Aluminium Oxide | 15,900 mg/kg bw | - | 7.6 mg/L |
| Zirconium Dioxide | >5000 mg/kg bw | - | >4.3 mg/L |
| Titanium Dioxide | >5,000 mg/kg bw | - | > 6.82 mg/L |
| Barium Aluminate | - | - | - |
| Ditantalum Pentaoxide | > 8000 mg/kg bw | - | - |

Information on toxicological effects

Symptoms None known.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Acute toxicity Product not classified.

Skin corrosion/irritation Product not classified.

Serious eye damage/eye irritation Product not classified.

Sensitisation Product not classified.

Germ cell mutagenicity Product not classified.

Carcinogenicity Product not classified.

| Chemical Name | ACGIH | IARC | NTP | OSHA |
|--------------------------------|-------|----------|-----|------|
| Titanium Dioxide 13463-67-7 | | Group 2B | | X |

Reproductive toxicity Product not classified.

STOT - single exposure Product not classified.

STOT - repeated exposure Product not classified.

Aspiration hazard Product not classified.

Section 12: ECOLOGICAL INFORMATION

12.1. Toxicity

This product as shipped is not classified for aquatic toxicity

| Chemical Name | Algae/aquatic plants | Fish | Toxicity to microorganisms | Crustacea |
|----------------------|---|--|--|---|
| Niobium | - | - | - | - |
| Diiron trioxide | - | The 96 h LC50 of Diiron trioxide to Danio rerio was greater than or equal to 50,000 mg/L . | The 3 h EC50 of Diiron trioxide for activated sludge was greater than 10,000 mg/L. | The 48 h EC50 of Diiron trioxide to Daphnia magna was greater than or equal to 100 mg/L . |
| Hafnium Dioxide | The 72 h EC50 of Hafnium dioxide in water to Pseudokirchneriella subcapitata was greater than the solubility limit of 0.008 mg Hf/L | The 96 h LC50 of Hafnium dioxide in water to Danio rerio was greater than the solubility limit of 0.007 mg Hf/L | - | The 48 h EC50 of Hafnium dioxide to Daphnia magna was greater than the solubility limit of 0.007 mg Hf/L |
| Diniobium Pentaoxide | The 72 h EC50 of Ditantalum pentaoxide to Desmodesmus subspicatus was greater than 1 mg/L | The 96 h LC50 of Ditantalum pentaoxide to Danio rerio was greater than or equal to 1 mg/L. | The 3 h EC50 of Ditantalum pentaoxide for activated sludge was greater than 10,000 mg/L. | The 48 h EC50 of Ditantalum pentaoxide to Daphnia magna was greater than or equal to 1 mg/L. |
| Aluminium | The 96-h EC50 values for reduction of biomass of Pseudokirchneriella subcapitata in AAP-Medium at pH 6, 7, and 8 were estimated as 20.1, 5.4, and 150.6 µg/L, respectively, for dissolved Al. | The 96 h LC50 of aluminum to Oncorhynchus mykiss was 7.4 mg of Al/L at pH 6.5 and 14.6 mg of Al/L at pH 7.5 | - | The 48-hr LC50 for Ceriodaphnia dubia exposed to Aluminium chloride increased from 0.72 to greater than 99.6 mg/L with water hardness increasing from 25 to 200 mg/L. |
| Aluminium Oxide | The 96-h EC50 values for reduction of biomass of Pseudokirchneriella subcapitata in AAP-Medium at pH 6, 7, and 8 were estimated as 20.1, 5.4, and 150.6 µg/L, respectively, for dissolved Al. | The 96 h LC50 of Aluminum chloride to Oncorhynchus mykiss ranged from 7.4 mg of Al/L at pH 6.5 to 14.6 mg of Al/L at pH 7.5. The 96-hr LC50 for Pimephales promelas exposed to Aluminum chloride ranged from 1.16 to 44.8 mg/L with water hardness increasing from 25 to 200 mg/L. | - | The 48-hr EC50 for Ceriodaphnia dubia exposed to Aluminium chloride ranged from 1.9 to 2.6 mg/L with pH ranging from 7.42 to 8.13. |
| Zirconium Dioxide | The 15 d NOEC of zirconium dichloride oxide to Chlorella vulgaris was | The 96 h LL50 of zirconium dioxide to Danio rerio was greater than 100 | - | The 48 h EC50 of zirconium dioxide to Daphnia magna was |

| | greater than 200 mg/L | mg/L. | | greater than 100 mg/L |
|-----------------------|--|---|--|---|
| Titanium Dioxide | The 72 h EC50 of titanium dioxide to Pseudokirchnerella subcapitata was 61 mg of TiO2/L. | The 96h LC50s values of titanium dioxide range from greater than 100 mg TiO2/L for Oncorhynchus mykiss to greater than 1000 mg TiO2/L for Pimephales promelas | The 3 h EC50 of titanium dioxide for activated sludge were greater than 1000 mg/L. | The 48 h LC50 of titanium dioxide to Daphnia magna was greater than 100 mg of TiO2/L. |
| Barium Aluminate | - | - | - | - |
| Ditantalum Pentaoxide | - | - | - | - |

12.2. Persistence and degradability

12.3. Bioaccumulative potential

12.4. Mobility in soil

12.5. Results of PBT and vPvB assessment

The PBT and vPvB criteria do not apply to inorganic substances.

12.6. Other adverse effects

Section 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

| | |
|--|---|
| Waste from residues/unused products | Disposal should be in accordance with applicable regional, national and local laws and regulations. |
| Contaminated packaging | Disposal should be in accordance with applicable regional, national and local laws and regulations. |

Section 14: TRANSPORT INFORMATION

IMDG

| | |
|--|----------------|
| 14.1 UN/ID no | Not regulated |
| 14.2 Proper shipping name | Not regulated |
| 14.3 Hazard Class | Not regulated |
| 14.4 Packing Group | Not regulated |
| 14.5 Marine pollutant | Not applicable |
| 14.6 Special Provisions | None |
| 14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code | Not applicable |

RID

| | |
|----------------------------------|----------------|
| 14.1 UN/ID no | Not regulated |
| 14.2 Proper shipping name | Not regulated |
| 14.3 Hazard Class | Not regulated |
| 14.4 Packing Group | Not regulated |
| 14.5 Environmental hazard | Not applicable |
| 14.6 Special Provisions | None |

ADR

| | |
|---------------------------|----------------|
| 14.1 UN/ID no | Not regulated |
| 14.2 Proper shipping name | Not regulated |
| 14.3 Hazard Class | Not regulated |
| 14.4 Packing Group | Not regulated |
| 14.5 Environmental hazard | Not applicable |
| 14.6 Special Provisions | None |

ICAO (air)

| | |
|---------------------------|----------------|
| 14.1 UN/ID no | Not regulated |
| 14.2 Proper shipping name | Not regulated |
| 14.3 Hazard Class | Not regulated |
| 14.4 Packing Group | Not applicable |
| 14.5 Environmental hazard | Not applicable |
| 14.6 Special Provisions | None |

IATA

| | |
|---------------------------|----------------|
| 14.1 UN/ID no | Not regulated |
| 14.2 Proper shipping name | Not regulated |
| 14.3 Hazard Class | Not regulated |
| 14.4 Packing Group | Not regulated |
| Description | Not applicable |
| 14.5 Environmental hazard | Not applicable |
| 14.6 Special Provisions | None |

Section 15: REGULATORY INFORMATION

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

| Chemical Name | French RG number | Title |
|------------------------------------|--------------------------|-------|
| Niobium 7440-03-1 | - | - |
| Diiron trioxide 1309-37-1 | - | - |
| Hafnium Dioxide 12055-23-1 | - | - |
| Diniobium Pentaoxide 1313-96-8 | - | - |
| Aluminium 7429-90-5 | RG 32 RG 16, RG 16bis | - |
| Aluminium Oxide 1344-28-1 | - | - |
| Zirconium Dioxide 1314-23-4 | - | - |
| Titanium Dioxide 13463-67-7 | - | - |
| Barium Aluminate 12004-04-05 | - | - |
| Ditantalum Pentaoxide 1314-61-0 | - | - |

European Union

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work

Authorisations and/or restrictions on use:

This product does not contain substances subject to authorisation (Regulation (EC) No. 1907/2006 (REACH), Annex XIV). This product does not contain substances subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII).

International Inventories**DSL/NDSL**

Complies

| | |
|---------------|------------|
| EINECS/ELINCS | Complies |
| ENCS | Complies |
| IECSC | Not Listed |
| KECL | Complies |
| PICCS | Not Listed |
| AICS | Not Listed |

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

AICS - Australian Inventory of Chemical Substances

15.2. Chemical safety assessment

No chemical safety assessment has been performed for this product.

Section 16: OTHER INFORMATION

| | |
|----------------------|------------------------|
| Issue Date | 29-Jun-2022 |
| Revision Date | 29-Jun-2022 |
| Revision Note | New Safety Data Sheet. |

This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006

Note:

The information provided in this Material 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.

End of Safety Data Sheet

Additional information available from: Safety data sheets and labels available at ATImaterials.com