

1. Identification of the product and of the company/undertaking

1.1 Product identifier

UNITEC PLANTEX® Aluminum flap disc

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

Abrasives for industrial and professional application

1.3 Details of the supplier of the safety data sheet

Company name: **C.S. UNITEC INC.**
Street: 22 Harbor Avenue
Place: US NORWALK CT 06850
Telephone: 001 2038539522
e-mail: info@csunitec.com

1.4 Emergency telephone number

Telephone: 001 203 8539522

2. Hazards identification

2.1 Classification of the substance or mixture

Not applicable

Abrasives are articles and not dangerous substances or mixtures according to Regulation (EC) N° 1272/2008. See also section 8 and 16.

2.2 Label elements

Abrasives are articles and not dangerous substances or mixtures and therefore no labelling is required according to Regulation (EC) N° 1272/2008.

2.3 Other hazards

No information available.

3. Composition/information on ingredients

The product contains the following ingredients which are classified according to Regulation (EC) Nr. 1272/2008 or for which a community occupational exposure limit value exists:

Substance	EC-No.	CAS-No.	REACH Registration No.	Conc. (%)	Classification acc. to. Regulation (EC) No. 1272/2008 (CLP)	
					Hazard classes / Hazard categories	Hazard statements
cryolite	237-410-6	13775-53-6	01-2119511565-43- XXXX	1-15 %	Akut Tox. 4 STOT wdh. 1 Aqua. chron. 2	H332 H372 H411

(For full text of H-phrases see section 16.)

4. First aid measures

See also section 8 and 16.

4.1 Description of first aid measures

Inhalation : Not possible, due to the form of the products.
Skin contact : No harmful effects known.
Eye contact : Not possible, due to the form of the products.
Ingestion : Not likely, due to the form of the product; if necessary contact physician.

Note to physician : Not available.

4.2 Most important symptoms and effects, both acute and delayed

No information available.

4.3 Indication of any immediate medical attention and special treatment needed

Not relevant. Treat symptomatically.

5. Firefighting measures

5.1 Extinguishing media

Extinguishing media: water, foam, sand, powder or CO₂ as appropriate for surrounding materials.

5.2 Special hazards arising from the substance or mixture

Toxic fumes may occur. Use respiratory protective equipment.

5.3 Advice for firefighters

Extinguishing materials should be selected according to the surrounding area.

6. Accidental release measures

Not applicable.

7. Handling and storage

Follow instructions of grinding machine manufacturers and the relevant national regulations. In addition, observe the safety recommendations of the manufacturer.

8. Exposure controls/personal protection

8.1 Control parameters

Before grinding it is recommended to perform a risk assessment and to use personal protection equipment accordingly.

Occupational exposure limit values and / or biological limit values.

Keep exposure to the following components under surveillance.
 (Observe also the regional official regulations)

Limit value type (country of origin)	Substance	EC-No.	CAS-No.	Occupational limit value				Peak limit	Source, Remark
				Long term		Short term			
				mg/m ³	ml/m ³ (ppm)	mg/m ³	ml/m ³ (ppm)		
IOELV (EU)	Cryolite	237-410-6	13775-53-6	2.5 *				Directive 2000/39/ EC; Fluoride (inorganic as F)	

Note: Hazardous dust of the workpiece material may be generated during grinding and / or sanding operations. National regulations for dust exposure limit values have to be taken into consideration.

8.2 Exposure controls

8.2.1 Individual protection measures

8.2.1.1 Respiratory protection: Use respiratory protective equipment

(Type depends on specific application and material being ground)

8.2.1.2 Hand protection: Wear protective gloves

(Type depends on specific application and material being ground)

8.2.1.3 Eye protection: Wear protective goggles or face shield

(Type depends on specific application and material being ground)

8.2.1.4 Hearing protection: Use hearing protection

(Type depends on specific application and material being ground)

8.2.1.5 Body protection: Use protective clothing

(Type depends on specific application and material being ground)

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state: : solid
Colour: according to the type of product
Odour : not measured

9.2 Other information

None.

10. Stability and reactivity

10.1 Reactivity

Coated abrasives are stable when handled or stored correctly.

10.2 Chemical stability

No decomposition in normal use.

10.3 Possibility of hazardous reactions

No dangerous reactions known.

10.4 Conditions to avoid

Coated Abrasives are stable when handled or stored correctly.

10.5 Incompatible materials

No dangerous reactions known.

10.6 Hazardous decomposition products

At temperatures exceeding 250°C hazardous or toxic decomposition products may be generated.

11. Toxicological information

11.1 Information on toxicological effects

No toxicological effects if inhaled or swallowed or with eye or skin contact are known.
See also section 8.

12. Ecological information

12.1 Toxicity

No effects known.

12.2 Persistence and degradability

No biodegradable potentials known.

12.3 Bioaccumulative potential

No potentials known.

12.4 Mobility in soil

No potentials known.

12.5 Results of PBT and vPvB assessment

Not relevant.

12.6 Other adverse effects

No effects known.

13. Disposal considerations

13.1 Waste treatment methods

13.1.1 Product

Follow national and regional regulations.

--- Due to the ingredients and properties disposal as non hazardous waste (2000/532/EC) is possible if no hazardous materials are added to the abrasives. (EWC – Nr. 120121),

X Due to the ingredients and properties disposal as hazardous waste (2000/532/EC) (EWC – Nr. 120120)

13.1.2 Packing

Follow national and regional regulations.

14. Transport information

Land transport (ADR/RID)

14.1 UN-Nummer:	No dangerous good in sense of this transport regulation.
14.2 UN proper shipping name:	No dangerous good in sense of this transport regulation.
14.3 Transport hazard class(es):	No dangerous good in sense of this transport regulation.
14.4 Packing group:	No dangerous good in sense of this transport regulation.

Inland waterways transport (ADN)

14.1 UN-Nummer:	No dangerous good in sense of this transport regulation.
14.2 UN proper shipping name:	No dangerous good in sense of this transport regulation.
14.3 Transport hazard class(es):	No dangerous good in sense of this transport regulation.
14.4 Packing group:	No dangerous good in sense of this transport regulation.

Marine transport (IMDG)

14.1 UN-Nummer:	No dangerous good in sense of this transport regulation.
14.2 UN proper shipping name:	No dangerous good in sense of this transport regulation.
14.3 Transport hazard class(es):	No dangerous good in sense of this transport regulation.
14.4 Packing group:	No dangerous good in sense of this transport regulation.

Air transport (ICAO-TI/IATA-DGR)

14.1 UN-Nummer:	No dangerous good in sense of this transport regulation.
14.2 UN proper shipping name:	No dangerous good in sense of this transport regulation.
14.3 Transport hazard class(es):	No dangerous good in sense of this transport regulation.
14.4 Packing group:	No dangerous good in sense of this transport regulation.

15. Regulatory information

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

No specific labelling requirements under respective EC directives.

15.2 Chemical safety assessment

Not relevant.

16. Other information

Changes to the previous versions

See sections 1 to 16.

Literature and data sources

REACH Regulation (EC) Nr. 1907/2006
Regulation (EC) N° 1272/2008
Directive 98/24/EC
Directive 2000/39/EC
Directive 75/324/EEC
Decision 2000/532/EC
Transport regulations according to ADR, RID und IATA.

Hazard statements referred to in section 2 and 3

According to Regulation (EC) N° 1272/2008:

H 332 Harmful if inhaled
H 372 Causes damage to organs through prolonged or repeated exposure. Target organs: lungs, skeleton
H302 Harmful if swallowed.
H411 Toxic to aquatic life with long lasting effects.

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.