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

1.1 Product identifier

UNITEC PLANTEX® Spitfire flap disc

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

Coated abrasives for grinding / sanding of different kinds of materials.

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 therefor 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 (sodium aluminium fluoride)	237-410-6	13775-53-6	01-2119511565-43	1 - 9 %	Acute toxicity Cat. 4 Reproductive toxicity Lact. STOT RE 1 Aquatic Chronic 2	H332 H372 H362 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
Treat symptomatically.

5. Firefighting measures

5.1 Extinguishing media
Extinguishing media: water, foam, sand, powder or CO_2 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.

Store abrasives in dry, frost-free conditions avoiding wide variations in temperature. Ensure they are properly protected and supported to prevent damage und distortion.

Coated abrasives should be stored at 18-22 °C, 45-65 % relative humidity.

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	mg/m^3	ml/m^3 (ppm)		
WEL (UK)	Cryolite	237-410-6	13775-53-6	2.5 *					HSC (fluorides, inorganic as F)
European Union	Cryolite	237-410-6	13775-53-6	2,5					

* Valid for UK, other countries: observe national values

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.

O 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:

Cryolite, hazard statements

H 332 Harmful if inhaled
H 372 May cause damage to organs (lung, skeleton) to prolonged or repeated exposure
H 362 May cause harm to breast-fed babies
H 411 Toxic to aquatic life with long lasting effects

International Limit Values *

Substance: Fluoride (inorganic as F) CAS No. 16984-4

Substance	Fluoride (inorganic as F)
CAS No.	16984-48-8

	Limit value - Eight hours		Limit value - Short term
	ppm	mg/m³	ppm
Austria		2,5 inhalable aerosol	
Belgium		2,5	
Denmark		2,5	
European Union		**2,5**	
France		2,5	
Germany (AGS)		1 (1)(2)	
Germany (DFG)		1 (1)(2)	
Hungary		2,5	
Ireland		2,5	
Italy		2,5	
Latvia		2,5	
Poland		1	
Romania		2,5	
Singapore		2,5	
Spain		2,5	
Sweden		2	
Switzerland		1 inhalable aerosol	
Turkey		2,5	
USA - OSHA		2,5	
United Kingdom		2,5	

	Remarks
European Union	Bold-type: Indicative Occupational Exposure Limit Value (IOELV) ~ (for references see bibliography)
Germany (AGS)	(1) Inhalable fraction (2) Skin (3) 15 minutes average value
Germany (DFG)	(1) Inhalable fraction (2) Skin (3) 15 minutes average value

*(IFA / GESTIS Stoffdatenbank, Internationale Grenzwerte für chemische Substanzen)