



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

1.1. Product identifier		
Trade name or designation of the mixture	AUREX 65 PLASTIC	
Registration number	-	
Synonyms	None.	
Brand Code	1768	
Issue date	02-May-2022	
Version number	01	
1.2. Relevant identified uses of	f the substance or mixture an	d uses advised against
Identified uses	For Industrial Use Only	
Uses advised against	as well as their potential hazard	e potential presence of respirable dust and respirable crystalline silica s. Appropriate training in the proper use and handling of this required under applicable regulations.
1.3. Details of the supplier of t	he safety data sheet	
Supplier		
Company name	HarbisonWalker International	
Address	1305 Cherrington Parkway, Suit Moon Township, PA 15108, USA	
	United States	7
Division		
Telephone	General Phone:	412-375-6743
	CHEMTREC EMERGENCY US/CAN ONLY	1-800-424-9300
e-mail	sds@thinkHWI.com	
Contact person	HWI USA	
1.4. Emergency telephone number	General Phone:	412-375-6600

# **SECTION 2: Hazards identification**

#### 2.1. Classification of the substance or mixture

The mixture 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

Health hazards Serious eye damage/eye ir	ritation Catego	bry 2	H319 - Causes serious eye irritation.
Hazard summary		when wet. Causes serious eye irritation onal exposure to the substance or mi	5 1 ,

#### 2.2. Label elements

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

Contains: Aluminium Tris(Dihydrogen Phosphate)

effects.



Warning

Signal word
Hazard statements
H319

Hazard pictograms

### Precautionary statements Prevention

P264

Wash thoroughly after handling.

Causes serious eye irritation.

Material name: AUREX 65 PLASTIC 1768 Version #: 01 Issue date: 02-May-2022

P280	Wear eye protection/face protection.
Response	
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Storage	Not available.
Disposal	Not available.
Supplemental label information	Users should be informed of the potential presence of respirable dust and respirable crystalline silica as well as their potential hazards. Overexposure to the respirable dust of crystalline silica (quartz or cristobalite, less than or equal to 5 microns in size) may lead to silicosis in humans, which is a progressive and irreversible lung disease. Appropriate training in the proper use and handling of this material should be provided as required under applicable regulations.
2.3. Other hazards	Not a PBT or vPvB substance or mixture.

# **SECTION 3: Composition/information on ingredients**

#### 3.2. Mixtures

#### **General information**

Chemical name		%	CAS-No. / EC No.	<b>REACH Registration No.</b>	Index No.	Notes
Aluminium Tris(Dihydroge Phosphate)	n	2,5 - 10	13530-50-2 236-875-2	-	-	
Classification:	Eye Dam. 1;H	318				
Orthophosphoric acid		2,5 - 10	7664-38-2 231-633-2	-	015-011-00-6	#
Classification:	Skin Irrit. 2;H3	315, Eye Iı	rrit. 2;H319			В

levels

#### 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.

Composition comments Ber

nentsBentonite contains naturally occurring crystalline silica (not listed in Annex I of Directive<br/>67/548/EEC) in quantities less than 6%. The full text for all H-statements is displayed in section 16.

# **SECTION 4: First aid measures**

General information	Not available.
4.1 Description of first aid	

4.1. Description of first aid mea	asures
Inhalation	Move to fresh air. Call a physician if symptoms develop or persist.
Skin contact	Wash off with soap and water. Get medical attention if irritation develops and persists.
Eye contact	Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
Ingestion	Rinse mouth. Get medical attention if symptoms occur.
4.2. Most important symptoms and effects, both acute and delayed	Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision.
4.3. Indication of any immediate medical attention and special treatment needed	Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.

# **SECTION 5: Firefighting measures**

General fire hazards	Not available.
5.1. Extinguishing media Suitable extinguishing media	Use fire-extinguishing media appropriate for surrounding materials.
Unsuitable extinguishing media	Not available.
5.2. Special hazards arising from the substance or mixture	Not available.

5.3. Advice for firefighters	
Special protective	Not available.
equipment for firefighters	
Special fire fighting procedures	Not available.

# **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. Material can be slippery when wet. Wear appropriate protective equipment and clothing during clean-up. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. 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	Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water.
	Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.
	Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.
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	l storage

7.1. Precautions for safe handling	Keep formation of airborne dusts to a minimum. Provide appropriate exhaust ventilation at places where dust is formed. Do not breathe dust. Avoid contact with eyes. Avoid prolonged exposure. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.
7.2. Conditions for safe storage, including any incompatibilities	Store in tightly closed container. 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

Components	Туре	Value	Form
Aluminium Oxide (Non-Fibrous) (CAS 1344-28-1)	МАК	5 mg/m3	Respirable fraction.
		5 mg/m3	Respirable fume.
		10 mg/m3	Inhalable fraction.
	STEL	20 mg/m3	Inhalable fraction.
		10 mg/m3	Respirable fraction.
		10 mg/m3	Respirable fume.
Chromium (III) oxide (CAS 1308-38-9)	МАК	2 mg/m3	
Orthophosphoric acid (CAS 7664-38-2)	МАК	1 mg/m3	
	STEL	2 mg/m3	
Belgium. Exposure Limit Values.			
Components	Туре	Value	Form
Aluminium Oxide (Non-Fibrous) (CAS 1344-28-1)	TWA	1 mg/m3	Respirable fraction.

Belgium. Exposure Limit Values. Components	Туре	Value	Form
Aluminium Tris(Dihydrogen Phosphate) (CAS 13530-50-2)	TWA	2 mg/m3	
Orthophosphoric acid (CAS 7664-38-2)	STEL	2 mg/m3	
	TWA	1 mg/m3	

#### Bulgaria. OELs. Regulation No 13 on protection of workers against risks of exposure to chemical agents at work Components Type Value Form

components	туре	Value	1 onn	
Aluminium Oxide (Non-Fibrous) (CAS 1344-28-1)	TWA	3,5 mg/m3	Respirable fraction.	-
		10 mg/m3	Dust.	
		1,5 mg/m3	Respirable fraction.	
Aluminium Tris(Dihydrogen Phosphate) (CAS 13530-50-2)	TWA	2 mg/m3		
Bentonite (CAS 1302-78-9)	TWA	6 mg/m3	Inhalable fraction.	
		3 mg/m3	Respirable fraction.	
Chromium (III) oxide (CAS 1308-38-9)	TWA	2 mg/m3		
Orthophosphoric acid (CAS 7664-38-2)	STEL	2 mg/m3		
	TWA	1 mg/m3		

# Croatia. Dangerous Substance Exposure Limit Values in the Workplace (ELVs), Annexes 1 and 2, Narodne Novine, 13/09

Components	Туре	Value	Form
Aluminium Oxide (Non-Fibrous) (CAS 1344-28-1)	MAC	4 mg/m3	Respirable dust.
		10 mg/m3	Total dust.
Aluminium Tris(Dihydrogen Phosphate) (CAS 13530-50-2)	MAC	2 mg/m3	
Orthophosphoric acid (CAS 7664-38-2)	MAC	1 mg/m3	
	STEL	2 mg/m3	
Czech Republic. OELs. Governme			_
Components	Туре	Value	Form
Aluminium Oxide (Non-Fibrous) (CAS 1344-28-1)	TWA	0,1 mg/m3	Respirable dust.
Bentonite (CAS 1302-78-9)	TWA	6 mg/m3	Dust.
Chromium (III) oxide (CAS 1308-38-9)	Ceiling	1,5 mg/m3	Aerosol, inhalable.
	TWA	0,5 mg/m3	Aerosol, inhalable.
Orthophosphoric acid (CAS 7664-38-2)	Ceiling	2 mg/m3	
	TWA	1 mg/m3	
TRADE SECRET	TWA	4 mg/m3	Dust.
Denmark. Exposure Limit Values			
Components	Туре	Value	Form
Aluminium Oxide (Non-Fibrous) (CAS 1344-28-1)	TLV	5 mg/m3	Total
		2 mg/m3	Respirable.

Denmark. Exposure Limit Values			
Components	Туре	Value	Form
Aluminium Tris(Dihydrogen Phosphate) (CAS 13530-50-2)	TLV	1 mg/m3	
Orthophosphoric acid (CAS 7664-38-2)	TLV	1 mg/m3	

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

Components	Туре	Value	Form
Aluminium Oxide (Non-Fibrous) (CAS 1344-28-1)	TWA	4 mg/m3	Fine dust, respiratory fraction
		10 mg/m3	Total dust.
Aluminium Tris(Dihydrogen Phosphate) (CAS 13530-50-2)	TWA	2 mg/m3	
Chromium (III) oxide (CAS 1308-38-9)	STEL	0,06 mg/m3	
	TWA	0,02 mg/m3	
Orthophosphoric acid (CAS 7664-38-2)	STEL	2 mg/m3	Vapour.
	TWA	1 mg/m3	Vapour.
Finland. Workplace Exposure Limits			
Components	Туре	Value	
Aluminium Tris(Dihydrogen Phosphate) (CAS 13530-50-2)	TWA	2 mg/m3	
Chromium (III) oxide (CAS 1308-38-9)	TWA	0,5 mg/m3	
Orthophosphoric acid (CAS 7664-38-2)	STEL	2 mg/m3	
-	TWA	1 mg/m3	
France. Threshold Limit Values (VLEF	P) for Occupational Expo	sure to Chemicals in France	e, INRS ED 984
Components	Туре	Value	
Aluminium Oxide (Non-Fibrous) (CAS 1344-28-1)	VME	10 mg/m3	
Regulatory status: Indicative limit	t (VL)		
Aluminium Tris(Dihydrogen Phosphate) (CAS 13530-50-2)	VME	2 mg/m3	
Regulatory status: Indicative limit	t (VL)		
Chromium (III) oxide (CAS L308-38-9)	VME	2 mg/m3	
Regulatory status: Regulatory inc			
Orthophosphoric acid (CAS 7664-38-2)	VLE	2 mg/m3	
Regulatory status: Regulatory inc	dicative (VRI)	0,5 ppm	
Regulatory status: Regulatory inc	licative (VRI) VME	1 mg/m3	
Regulatory status: Regulatory inc			
<b>Regulatory Status:</b> Regulatory life	licative (VRI)	0,2 ppm	

Components	G) Type	Value	Form
Aluminium Oxide (Non-Fibrous) (CAS 1344-28-1)	TWA	4 mg/m3	Inhalable dust.
		1,5 mg/m3	Respirable dust.
Orthophosphoric acid (CAS 7664-38-2)	TWA	2 mg/m3	Inhalable fraction.
TRADE SECRET	TWA	2 mg/m3	Inhalable fraction.
Germany. TRGS 900, Limit Values Components	in the Ambient Air at the Workplace Type	Value	Form
Aluminium Oxide (Non-Fibrous) (CAS 1344-28-1)	AGW	10 mg/m3	Inhalable fraction.
		1,25 mg/m3	Respirable fraction
Chromium (III) oxide (CAS .308-38-9)	AGW	2 mg/m3	Inhalable fraction.
Orthophosphoric acid (CAS 7664-38-2)	AGW	2 mg/m3	Inhalable fraction.
TRADE SECRET	AGW	2 mg/m3	Inhalable fraction.
Greece. OELs (Decree No. 90/199 Components	9, as amended) Type	Value	Form
Aluminium Oxide (Non-Fibrous) (CAS 1344-28-1)	TWA	5 mg/m3	Inhalable
		10 mg/m3	Respirable.
Aluminium Tris(Dihydrogen Phosphate) (CAS 13530-50-2)	TWA	2 mg/m3	
Chromium (III) oxide (CAS 1308-38-9)	TWA	0,5 mg/m3	
Orthophosphoric acid (CAS 7664-38-2)	STEL	3 mg/m3	
	TWA	1 mg/m3	
Hungary. OELs. Joint Decree on C	hemical Safety of Workplaces		
Components	Туре	Value	Form
Aluminium Oxide (Non-Fibrous) (CAS 1344-28-1)	TWA	6 mg/m3	Respirable.
Chromium (III) oxide (CAS 1308-38-9)	STEL	2 mg/m3	
	TWA	0,5 mg/m3	
Orthophosphoric acid (CAS 7664-38-2)	STEL	2 mg/m3	
	TWA	1 mg/m3	
Iceland. OELs. Regulation 154/19 Components	99 on occupational exposure limits Type	Value	Form
Aluminium Oxide (Non-Fibrous) (CAS 1344-28-1)	TWA	10 mg/m3	
Aluminium Tris(Dihydrogen Phosphate) (CAS 13530-50-2)	TWA	2 mg/m3	
Chromium (III) oxide (CAS 1308-38-9)	TWA	0,5 mg/m3	Dust.
Orthophosphoric acid (CAS	STEL	2 mg/m3	

#### Iceland. OELs. Regulation 154/1999 on occupational exposure limits Components Type Components

TWA S Type	1 mg/m3 <b>Value</b>	_
Туре	Value	_
	Value	
T\A/A		Form
TWA	4 mg/m3	Respirable dust.
	10 mg/m3	Total inhalable dust.
TWA	2 mg/m3	
TWA	2 mg/m3	
STEL	2 mg/m3	
TWA	1 mg/m3	
Туре	Value	Form
TWA	1 mg/m3	Respirable fraction.
TWA	1 mg/m3	Respirable fraction.
STEL	2 mg/m3	
TWA	1 mg/m3	
-	TWA STEL TWA TWA TWA STEL	TWA2 mg/m3TWA2 mg/m3TWA2 mg/m3STEL2 mg/m3TWA1 mg/m3TWA1 mg/m3TWA1 mg/m3STEL2 mg/m3

components	туре	value	
Aluminium Oxide (Non-Fibrous) (CAS 1344-28-1)	TWA	6 mg/m3	Decomposition aerosol.
		4 mg/m3	
Chromium (III) oxide (CAS 1308-38-9)	TWA	1 mg/m3	
Orthophosphoric acid (CAS 7664-38-2)	STEL	2 mg/m3	
	TWA	1 mg/m3	

# Lithuania. OELs. Limit Values for Chemical Substances, General Requirements

Components	Туре	Value	Form
Aluminium Oxide (Non-Fibrous) (CAS 1344-28-1)	TWA	5 mg/m3	Inhalable fraction.
		2 mg/m3	Respirable fraction.
Aluminium Tris(Dihydrogen Phosphate) (CAS 13530-50-2)	TWA	1 mg/m3	
Orthophosphoric acid (CAS 7664-38-2)	STEL	2 mg/m3	
	TWA	1 mg/m3	
Luxembourg. Binding Occupatio Components	nal exposure limit values (A Type	nnex I), Memorial A Value	
Orthophosphoric acid (CAS 7664-38-2)	STEL	2 mg/m3	
	TWA	1 mg/m3	

Components	Туре	Value	
Orthophosphoric acid (CAS 7664-38-2)	STEL	2 mg/m3	
	TWA	1 mg/m3	
Netherlands. OELs (binding) Components	Туре	Value	
Orthophosphoric acid (CAS 7664-38-2)	STEL	2 mg/m3	
	TWA	1 mg/m3	
Norway. Administrative Norms fo Components	r Contaminants in the Wo Type	rkplace Value	
Numinium Oxide Non-Fibrous) (CAS 344-28-1)	TLV	10 mg/m3	
Aluminium Tris(Dihydrogen Phosphate) (CAS .3530-50-2)	TLV	2 mg/m3	
Chromium (III) oxide (CAS .308-38-9)	TLV	0,5 mg/m3	
Orthophosphoric acid (CAS 7664-38-2)	TLV	1 mg/m3	
Ordinance of the Minister of Labo and intensities of harmful health			
Components	Туре	Value	Form
Aluminium Oxide Non-Fibrous) (CAS .344-28-1)	TWA	2,5 mg/m3	Inhalable fraction.
		1,2 mg/m3	Respirable fraction.
Chromium (III) oxide (CAS 308-38-9)	TWA	0,5 mg/m3	
Orthophosphoric acid (CAS '664-38-2)	STEL	2 mg/m3	
	TWA	1 mg/m3	
Portugal. OELs. Decree-Law n. 29 Components	0/2001 (Journal of the Re Type	epublic - 1 Series A, n.266) Value	
Orthophosphoric acid (CAS '664-38-2)	STEL	2 mg/m3	
	TWA	1 mg/m3	
Portugal. VLEs. Norm on occupati Components	onal exposure to chemica Type	l agents (NP 1796) Value	Form
- Aluminium Oxide Non-Fibrous) (CAS	TWA	1 mg/m3	Respirable fraction.
.344-28-1) Numinium Tris(Dihydrogen Phosphate) (CAS .3530-50-2)	TWA	1 mg/m3	Respirable fraction.
.3530-30-2) Chromium (III) oxide (CAS .308-38-9)	TWA	0,5 mg/m3	
Drthophosphoric acid (CAS 7664-38-2)	STEL	3 mg/m3	
,	TWA	1 mg/m3	
Romania. OELs. Protection of wor Components	kers from exposure to che Type	emical agents at the workpla Value	ce Form
- Aluminium Oxide (Non-Fibrous) (CAS 1344-28-1)	STEL	5 mg/m3	Aerosol

1344-28-1)

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

Components	Туре	Value	Form
	TWA	2 mg/m3	Aerosol
Chromium (III) oxide (CAS 1308-38-9)	TWA	0,5 mg/m3	
Orthophosphoric acid (CAS 7664-38-2)	STEL	2 mg/m3	
	TWA	1 mg/m3	

#### Slovakia. OELs. Regulation No. 300/2007 concerning protection of health in work with chemical agents Components Type Value Form

components	туре	Value	1 Of III
Aluminium Oxide (Non-Fibrous) (CAS 1344-28-1)	TWA	4 mg/m3	Inhalable fraction.
		1,5 mg/m3	Respirable fraction.
		0,1 mg/m3	
Aluminium Tris(Dihydrogen Phosphate) (CAS 13530-50-2)	TWA	2 mg/m3	
Bentonite (CAS 1302-78-9)	TWA	6 mg/m3	
Chromium (III) oxide (CAS 1308-38-9)	TWA	2 mg/m3	
Orthophosphoric acid (CAS 7664-38-2)	STEL	2 mg/m3	
	TWA	1 mg/m3	

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

Components	Туре	Value	Form
Aluminium Oxide (Non-Fibrous) (CAS 1344-28-1)	TWA	10 mg/m3	Inhalable fraction.
		1,25 mg/m3	Respirable fraction.
Chromium (III) oxide (CAS 1308-38-9)	TWA	2 mg/m3	Inhalable fraction.
Orthophosphoric acid (CAS 7664-38-2)	TWA	1 mg/m3	
Spain. Occupational Exposure Li	mits		
Components	Туре	Value	
Aluminium Oxide (Non-Fibrous) (CAS 1344-28-1)	TWA	10 mg/m3	
Aluminium Tris(Dihydrogen Phosphate) (CAS 13530-50-2)	TWA	2 mg/m3	
Chromium (III) oxide (CAS 1308-38-9)	TWA	2 mg/m3	
Orthophosphoric acid (CAS	STEL	2 mg/m3	
7664-38-2)			

Components	Туре	Value	Form	
Aluminium Oxide (Non-Fibrous) (CAS 1344-28-1)	TWA	5 mg/m3	Total dust.	
		2 mg/m3	Respirable dust.	
Aluminium Tris(Dihydrogen Phosphate) (CAS 13530-50-2)	TWA	1 mg/m3	Total dust.	

Components	Туре		Va	lue	Form
Orthophosphoric acid (CAS 7664-38-2)	Ceilin	g	2 r	ng/m3	
	TWA		1 r	mg/m3	
Switzerland. SUVA Grenz	zwerte am Arbeitsplat	tz			
Components	Туре		Va	lue	Form
Aluminium Oxide (Non-Fibrous) (CAS 1344-28-1)	STEL		24	mg/m3	Respirable dust and/c fume.
	TWA		3 r	ng/m3	Respirable dust and/c fume.
			3 r	mg/m3	Respirable dust.
Aluminium Tris(Dihydrogen Phosphate) (CAS 13530-50-2)	TWA		2 r	ng/m3	Inhalable fraction.
Chromium (III) oxide (CAS 1308-38-9)	TWA		0,5	5 mg/m3	Inhalable fraction.
Orthophosphoric acid (CAS 7664-38-2)	STEL		4 r	ng/m3	Inhalable fraction.
	TWA		2 r	ng/m3	Inhalable fraction.
TRADE SECRET	STEL		4 r	ng/m3	Inhalable fraction.
	TWA		2 r	ng/m3	Inhalable fraction.
UK. EH40 Workplace Exp Components	oosure Limits (WELs) Type		Va	lue	Form
Aluminium Oxide (Non-Fibrous) (CAS 1344-28-1)	TWA		4 r	ng/m3	Respirable dust.
			10	mg/m3	Inhalable dust.
Aluminium Tris(Dihydrogen Phosphate) (CAS 13530-50-2)	TWA		2 r	ng/m3	
Chromium (III) oxide (CAS 1308-38-9)	TWA		0,5	5 mg/m3	
Orthophosphoric acid (CAS 7664-38-2)	STEL		2 r	ng/m3	
	TWA		1 r	ng/m3	
EU. Indicative Exposure Components	Limit Values in Direct Type			C, 2006/15/E0 Ilue	C, 2009/161/EU
Orthophosphoric acid (CAS	STEL		2 r	mg/m3	
7664-38-2)	TWA		1 r	ng/m3	
ogical limit values					
Hungary. Chemical Safet		ance Joint Decre	ee No. 25/2000	0 (Annex 2): I	Permissible limit value
of biological exposure (e Components	ffect) indices Value	Determinant	Specimen	Sampling T	ime
Chromium (III) oxide (CAS 1308-38-9)	0,02 mg/g	chromium	Creatinine in urine	*	
	0,043 µmol/mmol	chromium	Creatinine in urine	*	
* - For sampling details, ple					
Switzerland. BAT-Werte Components	(Biological Limit Valu Value	es in the Workp Determinant	lace as per SU Specimen	VA) Sampling T	ime
Aluminium Oxide (Non-Fibrous) (CAS 1344-28-1)	60 µg/g	Aluminium	Creatinine in urine	*	

1344-28-1)

\* - For sampling details, please see the source document.

Recommended monitoring procedures	Follow standard monitoring procedures.
Derived no effect levels (DNELs)	Not available.
Predicted no effect concentrations (PNECs)	Not available.
Exposure guidelines	Occupational exposure to nuisance dust (total and respirable) and respirable crystalline silica should be monitored and controlled. Occupational exposure to nuisance dust (total and respirable) and respirable crystalline silica should be monitored and controlled.
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. Provide eyewash station.
Individual protection measure	s, such as personal protective equipment
General information	Use personal protective equipment as required. 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	Use a NIOSH/MSHA approved respirator if there is a risk of exposure to dust/fume at levels exceeding the exposure limits.
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.
рН	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 ex	xplosive limits
Flammability limit - lower (%)	Not available.
Flammability limit - upper (%)	Not available.
Vapour pressure	Not available.
Vapour density	Not available.

Material name: AUREX 65 PLASTIC

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	No relevant additional information available.

# **SECTION 10: Stability and reactivity**

10.1. Reactivity	The product is stable and non-reactive under normal conditions of use, storage and transport.
10.2. Chemical stability	Material is stable under normal conditions.
10.3. Possibility of hazardous reactions	No dangerous reaction known under conditions of normal use.
10.4. Conditions to avoid	Contact with incompatible materials.
10.5. Incompatible materials	Acids. Chlorine. Incompatibility is based strictly upon potential theoretical reactions between chemicals and may not be specific to industrial application exposure.
10.6. Hazardous decomposition products	No hazardous decomposition products are known.

# **SECTION 11: Toxicological information**

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

#### Information on likely routes of exposure

**General information** 

Inhalation	Prolonged inhalation may be harmful.
Skin contact	No adverse effects due to skin contact are expected.
Eye contact	Causes serious eye irritation.
Ingestion	May cause discomfort if swallowed. However, ingestion is not likely to be a primary route of occupational exposure.
Symptoms	Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision.

#### 11.1. Information on toxicological effects

Acute toxicity Skin corrosion/irritation Serious eye damage/eye irritation	Not known. Due to partial or complete lack of data the classification is not possible. Causes serious eye irritation.
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	In 1997, IARC (the International Agency for Research on Cancer) concluded that crystalline silica inhaled from occupational sources can cause lung cancer in humans. However in making the overall evaluation, IARC noted that "carcinogenicity was not detected in all industrial circumstances studied. Carcinogenicity may be dependent on inherent characteristics of the crystalline silica or on external factors affecting its biological activity or distribution of its polymorphs." (IARC Monographs on the evaluation of the carcinogenic risks of chemicals to humans, Silica, silicates dust and organic fibres, 1997, Vol. 68, IARC, Lyon, France.) In June 2003, SCOEL (the EU Scientific Committee on Occupational Exposure Limits) concluded that the main effect in humans of the inhalation of respirable crystalline silica dust is silicosis. "There is sufficient information to conclude that the relative risk of lung cancer is increased in persons with silicosis (and, apparently, not in employees without silicosis exposed to silica dust in quarries and in the ceramic industry). Therefore, preventing the onset of silicosis will also reduce the cancer risk" (SCOEL SUM Doc 94-final, June 2003) According to the current state of the art, worker protection against silicosis can be consistently assured by respecting the existing regulatory occupational exposure limits. Occupational exposure to respirable dust and respirable crystalline silica should be monitored and controlled. Risk of cancer cannot be excluded with prolonged exposure.

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

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12.1. Toxicity	Based on available data, the classification criteria are not met for hazardous to the aquatic environment.
12.2. Persistence and degradability	No data is available on the degradability of any ingredients in the mixture.
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. Not available.
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	

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Estonia Dangerous substances in groundwater Data	
Orthophosphoric acid (CAS 7664-38-2)	Pesticides (total) 0,5 ug/l Pesticides (total) 5 ug/l
Estonia Dangerous substances in soil Data	
Orthophosphoric acid (CAS 7664-38-2)	Synthetic pesticides (total of active substances) 0,5 mg/kg Synthetic pesticides (total of active substances) 20 mg/kg Synthetic pesticides (total of active substances) 5 mg/kg

# **SECTION 13: Disposal considerations**

### 13.1. Waste treatment methods

Residual waste	As sold, this product is not RCRA hazardous. Final used condition must be evaluated prior to disposal. Dispose of waste product in accordance with Federal, State and Local regulations. The chrome compounds (Cr III) in this product may be altered to a hexavalent compound (Cr VI) under certain use conditions, such as exposure to alkali salts and/or high temperatures. Proper waste testing (such as TCLP)must be done to determine the waste status of used product. Reuse and recycling of chrome Refractories is recommended whenever possible.	
Contaminated packaging	Not available.	
EU waste code	Not available.	
SECTION 14. Transport information		

# SECTION 14: Transport information

## ADR

14.1. - 14.6.: Not regulated as dangerous goods.

# RID

14.1. - 14.6.: Not regulated as dangerous goods.

# ADN

14.1. - 14.6.: Not regulated as dangerous goods.

# ΙΑΤΑ

14.1. - 14.6.: Not regulated as dangerous goods.

#### IMDG

14.1. - 14.6.: Not regulated as dangerous goods.

### **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	The product is classified and labelled in accordance with Regulation (EC) 1272/2008 (CLP Regulation) as amended. This Safety Data Sheet complies with the requirements of Regulation (EC) No 1907/2006, as amended.
National regulations	Follow national regulation on the protection of workers from the risks of exposure to carcinogens and mutagens at work, in accordance with Directive 2004/37/EC.
15.2. Chemical safety assessment	No Chemical Safety Assessment has been carried out.

#### **SECTION 16: Other information**

List of abbreviations	Not available.
References	Not available.
Information on evaluation method leading to the classification of mixture	Not available.
Full text of any H-statements not written out in full under Sections 2 to 15	H315 Causes skin i

H315 Causes skin irritation. H318 Causes serious eye damage. H319 Causes serious eye irritation.

Revision information	Product and Company Identification: Physical States Composition / Information on Ingredients: Ingredients Toxicological Information: Toxicological Data Ecological Information: Ecotoxicity Transport Information: Material Transportation Information
Training information	Not available.
Disclaimer	This information is based on our present knowledge on creation date. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.