

ACCORDING TO EC-REGULATIONS 1907/2006 (REACH), 1272/2008 (CLP) & 2015/830

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

1.1 Product identifier	
Product Name	Nickel (II) Oxide Powder
Synonyms	Nickel monoxide, Nickel oxide (NiO), Bunsenite, Oxonickel
Chemical Name	Nickel (II) oxide
Chemical Formula	NiO
CAS No.	1313-99-1
EC No.	215-215-7
Index No.	028-003-00-2
REACH Registration No.	Not applicable.
1.2 Relevant identified uses of the sub	stance or mixture and uses advised against
Identified Use(s)	PC21 Laboratory chemicals, Research and development use only
1.3 Details of the supplier of the safety	/ data sheet
Company Identification	Ossila Limited
Address of Supplier	Solpro Business Park
	Windsor Street

	Sheffield
Postal code	S4 7WB, UK
Telephone:	+441142999180
E-mail	info@ossila.com
Office hours	08:00 - 17:00
1.4 Emergency telephone number	
Emergency Phone #	+44 (0) 20 3885 0382 (CHEMTREC)

Other Regions	Emergency Phone Number (CHEMTREC)	
Europe, Middle East, Africa	+44 20 3885 0382	
North America	+1 703 527 3887	
Central America	+52 55 8526 4930	
South America	+55 11 4349 1359	
Asia, India, and Oceania	+65 3163 8374	

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or Regulation (EC) No. 1272/2008 (CLP)	mixture Skin Sens. 1: May cause an allergic skin reaction Carc. 1A: May cause cancer STOT RE 1: Causes damage to organs through prolonged or repeated exposure Aquatic Chronic 4: May cause long lasting harmful effects to aquatic life
2.2 Label elements	According to Regulation (EC) No. 1272/2008 (CLP)
Product Name	Nickel (II) Oxide Powder
Hazard Pictogram(s)	GHS07 GHS08
Signal Word(s)	Danger
Hazard Statement(s)	H317: May cause an allergic skin reaction H350i: May cause cancer H372: Causes damage to organs (Lung) through prolonged or repeated exposure H413: May cause long lasting harmful effects to aquatic life
Precautionary Statement(s)	 P273: Avoid release to the environment. P280: Wear protective gloves/protective clothing/eye protection. P312: Call a POISON CENTER or doctor if you feel unwell. P302 + P313 + P333 + P352: IF ON SKIN: Wash with plenty of water. If skin irritation or rash occurs: Get medical advice/attention. P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337 + P313: If eye irritation persists: Get medical advice/attention.



P304 + P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.

2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher. 2.4 Additional Information

Not applicable.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

			0.014.00	
Hazardous ingredient(s)	CAS No.	EC No.	%W/W	Hazard Statement(s)
Nickel (II) oxide	1313-99-1	215-215-7	≤ 100	Skin Sens. 1 H317
				Carc. 1A H350
				STOT RE 1 H372
				Aquatic Chronic 4 H413
3.2 Mixtures Not applicable.		L		
SECTION 4: FIRST AID ME	ASURES			
4.1 Description of first aid	measures			
General Advice		t aiders should er	sure they have taker	n adequate steps to protect themselves
				ended personal protection equipment)
			a sheet to the doctor i	
Inhalation				fortable for breathing. Get medical
	adv	vice/attention if you	u feel unwell.	-
Skin Contact	Rin	se skin with water	. If skin irritation occu	urs, get medical advice/attention.
Eye Contact				nutes. Remove contact lenses, if present
		l easy to do. Conti		
Ingestion				advice/attention if you feel unwell.
4.2 Most important sympto	oms and effects,	both acute and o	delayed	
				h acute and delayed, are included on
) and in Section 11.	
4.3 Indication of any imme				d
	Tre	at symptomatically	у.	
SECTION 5: FIREFIGHTING				
SECTION 5. FIREFIGHTING	B WEASURES			
5.1 Extinguishing media				
	a As	appropriate for su	rrounding fire.	
Suitable Extinguishing media		appropriate for su		
Suitable Extinguishing media Unsuitable extinguishing me	dia As	appropriate for su		
Suitable Extinguishing media Unsuitable extinguishing me	dia As a g from the subst a	appropriate for su		
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Storage temperature Storage life Incompatible materials 7.3 Specific end use(s) Ambient. Stable under normal conditions. None known.

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

8.1.1 Occupational Exposure Limits

UK - EH40 Workplace Exposure Limits (WEL).

Occupational Exposure Limits

SUBSTANCE.	CAS No.	LTEL (8 hr	LTEL (8 hr	STEL (ppm)	STEL (mg/m ³)	Note
		TWA ppm)	TWA mg/m ³)			
nickel and water-insoluble 1	1313-99-1		0.5			
nickel compounds (NiO)						
RegionSourceEUEU Occupational Expo						
	ure Limits EH40/2005 (T	nird edition, published 2	018)			
8.2 Exposure controls						
8.2.1. Appropriate engineering of		adequate ventilati		t. A washing fac	ility/water for eye	and
		ning purposes sh	ould be present.			
8.2.2. Personal protection equip	oment					
Eye Protection		e protection with			ed under approp	riate
	governm	ent standards su	ch as EN166 (EU).		
Hand protection	Handle	vith gloves. Glove	s must be inspec	ted prior to use	and proper glove	removal
	techniqu	es should be use	d. The selected p	rotective gloves	have to satisfy th	ne
	specifica	tions of Regulation	n (EU) 2016/425	and the standar	d EN 374 derive	d from it.
Body protection	Choose	body protection ir	relation to its typ	be, to the concer	tration and amou	unt of
, i		us substances, ar				
Respiratory protection		sk assessment sl			appropriate use a	a full-
		ticle respirator typ				
		o engineering cor		(,
Thermal hazards	None kr	0 0				
8.2.3. Environmental Exposure (nment			
	Controls Avolu le		Jinnont.			

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

CECTION 3. I ITTOICAE AND CITEMICA	
9.1 Information on basic physical and	chemical properties
Physical State	Solid: Powder.
Colour	Dark Grey.
Odour	Not known.
Odour threshold	Not known.
Melting point/freezing point	1984 °C
Initial boiling point and boiling range	Not known.
Flammability	Not known.
Lower and upper explosion limit	Not known.
Flash Point	Not known.
Auto-ignition temperature (°C)	Not known.
Decomposition temperature (°C)	Not known.
pH	Not known.
Kinematic viscosity	Not known.
Solubility(ies)	Solubility (Water): Not known.
	Solubility (Other): Not known.
Partition coefficient: n-octanol/water (log	Not known.
value)	
Vapour pressure	Not known.
Density	Not known.
Relative density	Not known.
Relative vapour density	Not known.
Particle characteristics	Not known.
9.2 Other information	
	None.
SECTION 10: STABILITY AND REACTIV	

10.1 Reactivity

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None anticipated.

10.2 Chemical Stability

Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions Not known.



10.4 Conditions to avoid		
10.4 Conditions to avoid	Not known.	
10.5 Incompatible materials		
Not known. 10.6 Hazardous decomposition products		
10.0 Hazardous decomposition produ	In the event of fire: see Section 5	
	MATION	
SECTION 11: TOXICOLOGICAL INFOR	MATION	
11.1 Information on toxicological effe		
Acute toxicity - Ingestion	No data available.	
Acute toxicity - Skin Contact Acute toxicity - Inhalation	No data available. No data available.	
Skin corrosion/irritation	No data available.	
Serious eye damage/irritation	No data available.	
Skin sensitization data	No data available.	
Respiratory sensitization data	No data available.	
Germ cell mutagenicity	No data available.	
Carcinogenicity	No data available.	
Reproductive toxicity	No data available.	
Lactation	No data available.	
STOT - single exposure	No data available.	
STOT - repeated exposure	No data available.	
Aspiration hazard	No data available.	
11.2 Information on other hazards		
11.2.1 Endocrine disrupting properties		
11.0.0 Information on other hozarda	None known.	
11.2.2. Information on other hazards	None known.	
SECTION 12: ECOLOGICAL INFORMA	TION	
12.1 Toxicity		
	No data available.	
Toxicity - Aquatic invertebrates	No data available.	
Toxicity - Fish	No data available.	
Toxicity - Algae	No data available.	
Toxicity - Sediment Compartment	Not classified.	
Toxicity - Terrestrial Compartment	Not classified.	
12.2 Persistence and Degradation	Not known.	
12.3 Bioaccumulative potential	Not Khown.	
	Not known.	
12.4 Mobility in soil		
	Not known.	
12.5 Results of PBT and vPvB assess		
	This substance/mixture contains no components considered to be either persistent,	
	bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.	
12.6 Endocrine disrupting properties		
12.0 Endoerine disrupting properties	Not known.	
12.7 Other adverse effects		
	Not known.	
SECTION 13: DISPOSAL CONSIDERAT	FIONS	
13.1 Waste treatment methods	Disease of contents in considerate with level otate or actional levialation. Descela	
	Dispose of contents in accordance with local, state or national legislation. Recycle only completely emptied packaging. Normal disposal is via incineration operated by	
	an accredited disposal contractor. Send to a licensed recycler, reclaimer or	
	incinerator.	
13.2 Additional Information		
	Disposal should be in accordance with local, state or national legislation.	
SECTION 14: TRANSPORT INFORMAT	ION	
IATA/IMO/RID/ADR	Not classified as hazardous for transport.	
SECTION 15: REGULATORY INFORMA	TION	
45.4. Cofety, boolth and environmental	nonviotion all signation and sitis for the substance or minture	

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture European Regulations - Authorisations and/or Restrictions On Use



Candidate List of Substances of Very High Concern for Authorisation	Not listed
REACH: ANNEX XIV list of substances subject to authorisation	Not listed
REACH: Annex XVII Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles	Nickel Oxide
Community Rolling Action Plan (CoRAP)	Not listed
Regulation (EC) N° 850/2004 of the	Not listed
European Parliament and of the Council	
on persistent organic pollutants	
Regulation (EC) N° 1005/2009 on substances that deplete the ozone layer	Not listed
Regulation (EU) N° 649/2012 of the	Not listed
European Parliament and of the Council	NOT IISTED
concerning the export and import of	
hazardous chemicals	
National regulations	
Other	Not known.
15.2 Chemical Safety Assessment	
	A REACH chemical safety assessment has not been carried out.

SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements:

LEGEND

Acronyms ADN : European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways ADR : European Agreement concerning the International Carriage of Dangerous Goods by Road CAS : Chemical Abstracts Service CLP : Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures DNEL : Derived No Effect Level EC : European Community EINECS : European Inventory of Existing Commercial Chemical Substances IATA : International Air Transport Association IBC : Intermediate Bulk Container ICAO : International Civil Aviation Organization IMDG : International Maritime Dangerous Goods LTEL : Long term exposure limit PBT : Persistent, Bioaccumulative and Toxic PNEC : Predicted No Effect Concentration REACH : Registration, Evaluation, Authorisation and Restriction of Chemicals RID : Regulations concerning the International Carriage of Dangerous Goods by Rail STEL : Short term exposure limit STOT : Specific Target Organ Toxicity UN : United Nations vPvB : very Persistent and very Bioaccumulative Disclaimers Information contained in this publication or as otherwise supplied to Users is believed to be accurate and is given in good faith, but it is for the Users to satisfy themselves of the suitability of the product for their own particular purpose. Ossila Limited gives no warranty as to the fitness of the product for any particular purpose and any implied warranty or condition (statutory or otherwise) is excluded except to the extent that exclusion is prevented by law. Ossila Limited accepts no liability for loss or

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