

Material Safety Data Sheet

MSDS No: PER356H

Issue No:1

IMPORTANT

Read this MSDS before handling and disposing of this product and pass this information on to employees, customers and users of this product.

1. IDENTIFICATION

Product Name	Impress-E Putty Hard
Company Name	Perfection Plus Ltd
Company Address	6 Westwood Court, Brunel Road, Totton, Hants. SO40 3WX. UK
Company Phone No.	+44 (0) 2380 866 677

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

The product is not classified as hazardous pursuant to the provisions set forth in EC Regulation 1272/2008 (CLP).

However, since the product contains hazardous substances in concentrations such as to be declared in section no. 3, it requires a safety data sheet with appropriate information, compliant to EC Regulation 1907/2006 and subsequent amendments.

Hazard classification and indication	-
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2.2 Label Elements

Hazard pictograms	-
Signal Word	-
Hazard Statement	EUH210 Safety data sheet available on request.
Hazard Statement: Precaution	-

2.3 Other Hazards

On the basis of available data, the product does not contain any PBT or vPvB in percentage greater than 0,1%.

3. COMPOSITION/DATA ON COMPONENTS

3.1 Substances

Information not relevant.

3.2 Mixtures

Components Name	Index No	CAS No	EC No	Registration No	Conc (% w/w)	Classification 1272/2008 (CLP)
QUARTZ (Free crystalline silica, respirable fraction)		14808-60-7	238-878-4		8-10%	STOT RE 1 H372

4. FIRST AID MEASURES

4.1 Description of first aid measures

Inhalation	Remove to open air. In the event of breathing difficulties, get medical advice/attention immediately.
Skin Contact	Remove contaminated clothing. Wash immediately with plenty of water. If irritation persists, get medical advice/attention. Wash contaminated clothing before using it again.
Eye Contact	Remove contact lenses, if present. Wash immediately with plenty of water for at least 15 minutes, opening the eyelids fully. If problem persists, seek medical advice.
Ingestion	Get medical advice/attention. Induce vomiting only if indicated by the doctor. Never give anything by mouth to an unconscious person, unless authorised by a doctor.

4.2 Most important symptoms and effects, both acute and delayed

For symptoms and effects caused by the contained substances, see chap. 11.

4.3 Indication of any immediate medical attention and special treatment needed

Information not available.

5. FIRE FIGHTING MEASURES

5.1 Extinguishing media

SUITABLE EXTINGUISHING EQUIPMENT

The extinguishing equipment should be of the conventional kind: carbon dioxide, foam, powder and water spray.

UNSUITABLE EXTINGUISHING EQUIPMENT

None in particular.

5.2 Special hazards arising from the substance or mixture

HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE

Do not breathe combustion products.

5.3 Advice for firefighters

GENERAL INFORMATION

Use jets of water to cool the containers to prevent product decomposition and the development of

substances potentially hazardous for health. Always wear full fire prevention gear. Collect extinguishing water to prevent it from draining into the sewer system. Dispose of contaminated water used for extinction and the remains of the fire according to applicable regulations.

SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS

Normal fire fighting clothing i.e. fire kit (BS EN 469), gloves (BS EN 659) and boots (HO specification A29 and A30) in combination with self-contained open circuit positive pressure compressed air breathing apparatus (BS EN 137).

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Block the leakage if there is no hazard.

Wear suitable protective equipment (including personal protective equipment referred to under Section 8 of the safety data sheet) to prevent any contamination of skin, eyes and personal clothing. These indications apply for both processing staff and those involved in emergency procedures.

6.2 Environmental precautions

The product must not penetrate into the sewer system or come into contact with surface water or ground water.

6.3 Methods and materials for containment and cleaning up.

Collect the leaked product into a suitable container. Evaluate the compatibility of the container to be used, by checking section 10. Absorb the remainder with inert absorbent material.

Make sure the leakage site is well aired. Check incompatibility for container material in section 7. Contaminated material should be disposed of in compliance with the provisions set forth in point 13.

6.4 Reference to other sections

Any information on personal protection and disposal is given in sections 8 and 13.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Before handling the product, consult all the other sections of this material safety data sheet. Avoid leakage of the product into the environment. Do not eat, drink or smoke during use. Remove any contaminated clothes and personal protective equipment before entering places in which people eat.

7.2 Conditions for safe storage, including any incompatibilities

Store only in the original container. Store the containers sealed, in a well ventilated place, away from direct sunlight. Keep containers away from any incompatible materials, see section 10 for details.

Storage class TRGS 510 (Germany):

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7.2 Specific end use(s)

Information not available.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

BGR	България	INSHT - Límites de exposición profesional para agentes químicos en España 2015
CZE	Česká Republika	Töökeskkonna keemiliste ohutegurite piirnormid 1. Vastu võetud 18.09.2001 nr 293 RT I 2001, 77, 460 - Redaktsiooni jõustumise kp: 01.01.2008
DEU	Deutschland	HTP-arvot 2012. Haitallisiksi tunnetut pitoisuudet - Sosiaali- ja terveysministeriön julkaisuja 2012:5
DNK	Danmark	JORF n°0109 du 10 mai 2012 page 8773 texte n° 102
ESP	España	EH40/2005 Workplace exposure limits
EST	Eesti	ΕΦΗΜΕΡΙΣ ΤΗΣ ΚΥΒΕΡΝΗΣΕΩΣ -ΤΕΥΧΟΣ ΠΡΩΤΟ Αρ. Φύλλου 19 - 9 Φεβρουαρίου 2012
FIN	Suomi	NN13/09 - Ministarstvo gospodarstva, rada i poduzetništva
FRA	France	50/2011. (XII. 22.) NGM rendelet a munkahelyek kémiai biztonságáról
GRB	United Kingdom	Decreto Legislativo 9 Aprile 2008, n.81
GRC	Ελλάδα	ΔΕΛ ΛΙΕΤΥΒΟΣ ΗΓΙΕΝΟΣ ΝΟΡΜΟΣ ΗΝ 23:2007 ΧΕΜΙΝΙΥ ΜΕΔΪΑΓΥ 2007 μ. spalio 15 d. Nr. V-827/A1-287
HRV	Hrvatska	Κίμικο vielu aroda ekspozicijas robežvērtības (AER) darba vides gaisā 2012
HUN	Magyarország	Databank of the social and Economic Concil of Netherlands (SER) Values, AF 2011:18
ITA	Italia	Veiledning om Administrative normer for forurensning i arbeidsatmosfære
LTU	Lietuva	ROZPORZĄDZENIE MINISTRA PRACY I POLITYKI SPOŁECZNEJ z dnia 16 grudnia 2011r
LVA	Latvija	NARIADENIE VLÁDY Slovenskej republiky z 20. júna 2007
NLD	Nederland	Occupational Exposure Limit Values, AF 2011:18
NOR	Norge	2000/39/EC sayılı Direktifin ekidir
POL	Polska	Directive 2009/161/EU; Directive 2006/15/EC; Directive 2004/37/EC; Directive 2000/39/EC.
SVK	Slovensko	ACGIH 2014
SWE	Sverige	INSHT - Límites de exposición profesional para agentes químicos en España 2015
TUR	Türkiye	Töökeskkonna keemiliste ohutegurite piirnormid 1. Vastu võetud 18.09.2001 nr 293 RT I 2001, 77, 460 - Redaktsiooni jõustumise kp: 01.01.2008
EU	OEL EU	HTP-arvot 2012. Haitallisiksi tunnetut pitoisuudet - Sosiaali- ja terveysministeriön julkaisuja 2012:5
	TLV-ACGIH	JORF n°0109 du 10 mai 2012 page 8773 texte n° 102

QUARTZ							
Threshold Limit Value							
Type	Country	TWA/8h		STEL/15min			
		mg/m3	ppm	mg/m3	ppm		
TLV	CZE	0,1					
MAK	DEU	0,15					

VLA	ESP	0,05					
TLV	EST	0,1					
VLEP	FRA	0,1				RESP.	
WEL	GRB	0,3					
OEL	NLD	0,075				RESP.	
TLV	NOR	0,1				RESP.	
NDS	POL	2				INHAL.	
NDS	POL	0,3				RESP.	
MAK	SWE	0,1				RESP.	
TLV-ACGIH		0,025					

Legend:

(C) = CEILING ; INHAL = Inhalable Fraction ; RESP = Respirable Fraction ; THORA = Thoracic Fraction.

VND = hazard identified but no DNEL/PNEC available ; NEA = no exposure expected ; NPI = no hazard identified.

8.2 Control parameters

As the use of adequate technical equipment must always take priority over personal protective equipment, make sure that the workplace is well aired through effective local aspiration.

HAND PROTECTION

Protect hands with category III work gloves (see standard EN 374).

The following should be considered when choosing work glove material: compatibility, degradation, failure time and permeability.

The work gloves' resistance to chemical agents should be checked before use, as it can be unpredictable. The gloves' wear time depends on the duration and type of use.

SKIN PROTECTION

Wear category I professional long-sleeved overalls and safety footwear (see Directive 89/686/EEC and standard EN ISO 20344). Wash body with soap and water after removing protective clothing.

EYE PROTECTION

Wear airtight protective goggles (see standard EN 166).

RESPIRATORY PROTECTION

If the threshold value (e.g. TLV-TWA) is exceeded for the substance or one of the substances present in the product, use a mask with a type A filter whose class (1, 2 or 3) must be chosen according to the limit of use concentration. (see standard EN 14387). In the presence of gases or vapours of various kinds and/or gases or vapours containing particulate (aerosol sprays, fumes, mists, etc.) combined filters are required.

Respiratory protection devices must be used if the technical measures adopted are not suitable for restricting the worker's exposure to the threshold values considered. The protection provided by masks is in any case limited.

If the substance considered is odourless or its olfactory threshold is higher than the

corresponding TLV-TWA and in the case of an emergency, wear open-circuit compressed air breathing apparatus (in compliance with standard EN 137) or external air-intake breathing apparatus (in compliance with standard EN 138). For a correct choice of respiratory protection device, see standard EN 529.

ENVIRONMENTAL EXPOSURE CONTROLS.

The emissions generated by manufacturing processes, including those generated by ventilation equipment, should be checked to ensure compliance with environmental standards.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Physical State	Paste of high viscosity
Colour	Pink
Odour	No data available
Odour Threshold	No data available
pH	No data available
Melting Point	No data available
Initial boiling Point	No data available
Flash Point (°C)	360 °C.
Flammability (solid, gas)	No data available
Self-igniting	No data available
Danger of explosion	No data available
Explosion limits: Lower Upper	No data available No data available
Vapour pressure	No data available
Vapour density	No data available
Relative density	1,700 Kg/l
Solubility	Insoluble in water
Partition coefficient	No data available
Auto-ignition temperature	No data available
Decomposition temperature	150
Viscosity	No data available
Explosive properties	Not explosive.
Oxidising properties	Not oxidant.

9.2 Other information

Information not available.

10. STABILITY AND REACTIVITY

10.1 Reactivity

There are no particular risks of reaction with other substances in normal conditions of use.

10.2 Chemical stability

The product is stable in normal conditions of use and storage.

10.3 Possibility of hazardous reactions

No hazardous reactions are foreseeable in normal conditions of use and storage.

10.4 Conditions to avoid

None in particular. However the usual precautions used for chemical products should be respected.

10.5 Incompatible materials

Information not available.

10.6 Hazardous decomposition products

Information not available.

11. TOXICOLOGICAL INFORMATION**11.1. Information on toxicological effects****Data available for the mixture:**

ACUTE TOXICITY: no data available.

SKIN CORROSION/IRRITATION: no data available.

SERIOUS EYE DAMAGE/IRRITATION: no data available.

RESPIRATORY OR SKIN SENSITISATION: no data available.

GERM CELL MUTAGENICITY: no data available.

CARCINOGENICITY: no data available.

REPRODUCTIVE TOXICITY: no data available.

STOT-SINGLE EXPOSURE: no data available.

STOT-REPEATED EXPOSURE: the mixture is not classified in this hazard class of since the product is in a physical form which prevents the crystalline silica to become breathable.

ASPIRATION HAZARD: no data available.

Data available for the substances in the mixture:

QUARTZ (Free crystalline silica, respirable fraction)

STOT-REPEATED EXPOSURE: causes lung damage in case of prolonged or repeated exposure by inhalation, classification available in the SDS of the supplier.

12. ECOLOGICAL INFORMATION

Use this product according to good working practices. Avoid littering. Inform the competent authorities, should the product reach waterways or contaminate soil or vegetation.

12.1. Toxicity

Information not available.

12.2. Persistence and degradability.

Information not available.

12.3. Bioaccumulative potential.

Information not available.

12.4. Mobility in soil.

Information not available.

12.5. Results of PBT and vPvB assessment.

On the basis of available data, the product does not contain any PBT or vPvB in percentage greater than 0,1%.

12.6. Other adverse effects.

Information not available.

13. DISPOSAL CONSIDERATIONS

Reuse, when possible. Neat product residues should be considered special non-hazardous waste. Disposal must be performed through an authorised waste management firm, in compliance with national and local regulations.

CONTAMINATED PACKAGING

Contaminated packaging must be recovered or disposed of in compliance with national waste management regulations.

14. TRANSPORTATION INFORMATION

14.1. UN number	Not applicable.
14.2. UN proper shipping name	Not applicable.
14.3. Transport hazard class(es)	Not applicable.
14.4. Packing group	Not applicable.
14.5. Environmental hazards	Not applicable.
14.6. Special precautions for user	Not applicable.
14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the	Information not relevant.

IBC Code	
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15. REGULATORY INFORMATION

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

Seveso category.

None.

Restrictions relating to the product or contained substances pursuant to Annex XVII to EC Regulation 1907/2006.

None.

Substances in Candidate List (Art. 59 REACH).

None.

Substances subject to authorisation (Annex XIV REACH).

None.

Substances subject to exportation reporting pursuant to (EC) Reg. 649/2012:

None.

Substances subject to the Rotterdam Convention:

None.

Substances subject to the Stockholm Convention:

None.

Healthcare controls.

Workers exposed to this chemical agent must not undergo health checks, provided that available risk-assessment data prove that the risks related to the workers' health and safety are modest and that the 98/24/EC directive is respected.

German regulation on the classification of substances hazardous to water (VwVwS 2005).

WGK 1: Low hazard to waters

15.2. Chemical safety assessment

No chemical safety assessment has been processed for the mixture and the substances it contains.

16. OTHER INFORMATION

Text of hazard (H)	STOT RE 1 - Specific target organ toxicity - repeated exposure,
indications mentioned in	category 1

section 2-3 of the sheet:	H372 - Causes damage to organs through prolonged or repeated exposure. EUH210 - Safety data sheet available on request.
Legend	<p>LEGEND:</p> <ul style="list-style-type: none"> - ADR: European Agreement concerning the carriage of Dangerous goods by Road - CAS NUMBER: Chemical Abstract Service Number - CE50: Effective concentration (required to induce a 50% effect) - CE NUMBER: Identifier in ESIS (European archive of existing substances) - CLP: EC Regulation 1272/2008 - DNEL: Derived No Effect Level - EmS: Emergency Schedule - GHS: Globally Harmonized System of classification and labeling of chemicals - IATA DGR: International Air Transport Association Dangerous Goods Regulation - IC50: Immobilization Concentration 50% - IMDG: International Maritime Code for dangerous goods - IMO: International Maritime Organization - INDEX NUMBER: Identifier in Annex VI of CLP - LC50: Lethal Concentration 50% - LD50: Lethal dose 50% - OEL: Occupational Exposure Level - PBT: Persistent bioaccumulative and toxic as REACH Regulation - PEC: Predicted environmental Concentration - PEL: Predicted exposure level - PNEC: Predicted no effect concentration - REACH: EC Regulation 1907/2006 - RID: Regulation concerning the international transport of dangerous goods by train - TLV: Threshold Limit Value - TLV CEILING: Concentration that should not be exceeded during any time of occupational exposure. - TWA STEL: Short-term exposure limit - TWA: Time-weighted average exposure limit - VOC: Volatile organic Compounds - vPvB: Very Persistent and very Bioaccumulative as for REACH Regulation - WGK: Water hazard classes (German).
General Bibliography	<ol style="list-style-type: none"> 1. Regulation (EU) 1907/2006 (REACH) of the European Parliament 2. Regulation (EU) 1272/2008 (CLP) of the European Parliament 3. Regulation (EU) 790/2009 (I Atp. CLP) of the European Parliament 4. Regulation (EU) 2015/830 of the European Parliament 5. Regulation (EU) 286/2011 (II Atp. CLP) of the European Parliament 6. Regulation (EU) 618/2012 (III Atp. CLP) of the European Parliament 7. Regulation (EU) 487/2013 (IV Atp. CLP) of the European Parliament 8. Regulation (EU) 944/2013 (V Atp. CLP) of the European Parliament 9. Regulation (EU) 605/2014 (VI Atp. CLP) of the European Parliament <p>- The Merck Index. - 10th Edition</p>

	<ul style="list-style-type: none">- Handling Chemical Safety- INRS - Fiche Toxicologique (toxicological sheet)- Patty - Industrial Hygiene and Toxicology- N.I. Sax - Dangerous properties of Industrial Materials-7, 1989 Edition- ECHA website
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**SUPERSEDES
ISSUE: N/A**

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