SAFETY DATA SHEET

Date: 16 September 2011 Revision: 11.02CLP

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

1.1 **Product Identifier** Moglice P Hard Resin

GHS Product Identifier Moglice P Hard Resin (0410)

Chemical Name Not applicable

Trade Name Moglice P Hard Resin

CAS No. Mixture EINECS No. Mixture REACH Registration No. Not available

Relevant Identified Uses of the Substance or Mixture and Uses Advised Against 1.2

Identified Use(s) Users are recommended to seek further advice Uses Advised Against Users are recommended to seek further advice.

Details of The Supplier of the Safety Data Sheet 1.3

> **Devitt Machinery Co., Inc.** Company Identification

Address 4009 Market St., Unit G, Aston, PA 19014 USA

Telephone (610) 999-8872

E-Mail (Competent Person)

1.4 **Emergency Telephone Number - ChemTel Inc.**

Emergency Phone No. (800) 255-3924 (USA/Canada), (813) 248-0585 (International)

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the Substance or Mixture

- 2.1.1 Regulation (EC) No. 1272/2008 (CLP) - Skin Irritant 2, Eye Irritant 2, Skin Sensitizer 1, Carcinogen 2, STOT-RE 2, Environmental Hazard 2 (3.2/2, 3.3/2, 3.4/1, 3.6/2, 3.9/2, 4.1/2)
- Directive 67/548/EEC & Directive 1999/45/EC HARMFUL, IRRITANT 2.1.2
- 2.2 **Label Elements**
- 2.2.1 Label Elements According to Regulation (EC) No. 1272/2008 (CLP)

GHS Product Identifier (EU)

Hazard Pictogram(s)



Signal Word(s)

WARNING

Hazard H315: Causes skin irritation.

H317: May cause an allergic skin reaction. Statement(s)

H319: Causes serious eve irritation. H351: Suspected of causing cancer.

H373: May cause damage to organs through prolonged or repeated exposure.

H411: Toxic to aquatic life with long lasting effects.

Precautionary P264 Wash skin thoroughly after handling. Statement(s) P273 Avoid release to the environment.

P280 Wear protective gloves/ eye protection/ face protection. P302 + P352 IF ON SKIN: Wash with plenty of soap and water.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes.

Remove contact lenses, if

present and easy to do. Continue rinsing.

P312 Call a POISON CENTER or doctor/ physician if you feel unwell. P333 + P313 If skin irritation or rash occurs: Get medical advice/ attention. P337 + P313 If eye irritation persists: Get medical advice/ attention. P501 Dispose of contents/ container to an approved waste disposal plant.

2.2.2 According to Directive 67/548/EEC & Directive 1999/45/EC **Label Elements**

Hazard Symbol





Risk Phrases R36/38: Irritating to eyes and skin.

R40: Limited evidence of a carcinogenic effect.

R48/20: Harmful: danger of serious damage to health by prolonged exposure through

R43: May cause sensitization by skin contact.

R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic

environment.

Page: 1/9 Expiration Date: 15 September 2014

SAFETY DATA SHEET

Moglice P Hard Resin

Safety Phrases S23: Do not breathe fumes.

S24/25: Avoid contact with skin and eyes...

S26: In case of contact with eyes, rinse immediately with plenty of water and seek

S28: After contact with skin, wash immediately with plenty of soap and water.

S36/37: Wear suitable protective clothing and gloves.

S61: Avoid release to the environment. Refer to special instructions / safety data sheet.

Date: 16 September 2011

2.3

Other Hazards GHS Classification (USA): Hazardous under OSHA Hazard Communication Standard - Warning - Irritant (Eyes, Skin), Suspect Carcinogen, Sensitizer. May be harmful if swallowed.

HMIS: Health-2, Flammability-1, Reactivity - 0

WHMIS Classification (Canada): Hazardous under WHMIS; Class D2A, Material having other toxic effects (Skin and Eye Irritation, Skin Sensitizer, Suspect Carcinogen,)

2.4 **Additional Information**

Potential Health Effects Inhalation

Skin Contact

Possible irritation of the respiratory tract. Suspect carcinogen. Repeated exposures to dusts may cause irreversible damage.

May cause sensitization by skin contact. Irritating to skin.

Eye Contact Causes serious eye irritation.

Ingestion Harmful if swallowed. Irritation of digestive tract.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

EC Classification No. 1272/2008/EC

Hazardous Ingredient(s)	%W/W	CAS No.	EC No.	REACH Registration No.		ogram(s) and Hazard tatement(s)
Reaction product of Bisphenol A- Epichlorhydrin	10-30	25068-38-6	500-033-5	603-074-00-8	(1)	3.3/2, 3.2/2, 3.4/2, 4.1/2; H319, H315, H317, H411
Quartz	25-50	14808-60-7	238-878-4	Not referenced	&	3.9/2; H373
Anilindiglycidylether	<10	2095-06-9	218-259-5	Not referenced	\$	3.2/2, 3.3/2, 3.4.1, 3.6/2 :H302, H315, H317, H319, H351
1,6- Hexandioldiglycylether	<10	16096-31-4	500-130-2 (NLP) 240-260-4	referenced	(1)	3.3/2, 3.2/2, 3.4/2, 4.1/2; H319, H315, H317, H411

EC Classification No. 67/5/9/EEC

Hazardous Ingredient(s)	%W/W	CAS No.	EC No.	REACH Registration No.	Hazard Pic	togram(s) and Risk Phrases)
Reaction product of Bisphenol A- Epichlorhydrin	10-30	25068-38-6	500-033-5	603-074-00-8	***	Xi, N: R36/38, R43, R51/53
Quarz SiO2	25-50	14808-60-7	238-878-4	Not referenced	*	Xn: R48/20
Anilindiglycidylether	<10	2095-06-9	218-259-5	Not referenced	×	Xn: R22, R36/38, R40, R43
1,6-Hexandioldiglycylether	<10	16096-31-4	500-130-2 (NLP) 240-260-4	Not referenced	***	Xi, N: R36/38, R43, R52/53

3.3 **Additional Information**

- For full text of H phrases see section 16. For full text of R phrases see section 16. Non-Hazardous ingredients are not listed and make up the balance of the product

SAFETY DATA SHEET

Moglice P Hard Resin

SECTION 4: FIRST AID MEASURES

4.1 **Description of First Aid Measures**

Remove patient from exposure, keep warm and at rest. Apply artificial respiration if Inhalation

breathing has ceased or shows signs of failing.

Remove contaminated clothing immediately and wash affected skin with soap and Skin Contact

water. Do not use solvents or diluting agents for skin cleaning.

After initial flushing, remove any contact lenses and continue flushing. Get medical **Eye Contact**

advice/attention.

Ingestion If swallowed, rinse mouth with water (only if the person is conscious). Get medical

advice/attention. Do not induce vomiting.

4.2 **Most Important** Symptoms and Effects, Both Acute and Delayed

Acute: Causes serious eye irritation. Causes skin irritation. Ingestion may cause irritation of the gastrointestinal tract. May cause sensitization by skin contact

Delayed and Chronic Effects: Generally similar to acute exposures, plus the following: Allergic eczema. Allergic contact dermatitis. Suspected of causing cancer.

Date: 16 September 2011

Repeated exposures to product dusts may cause irreversible lung damage.

Indication of The 4.3 **Immediate Medical** Attention and **Special Treatment**

Needed

Treat symptomatically.

SECTION 5: FIRE-FIGHTING MEASURES

Combustible but not readily ignited. Acrid smoke. Flash Point 135°C / 275°F.

5.1 **Extinguishing Media**

Suitable Extinguishing

Extinguish with carbon dioxide, dry chemical, foam or waterspray.

Media

5.3

Unsuitable Extinguishing Media

Do not use strong water jet.

5.2 **Special Hazards Arising** From The Substance Or Dense black smoke occurs during fire. Can melt and burn in a fire. Decomposes in a fire giving off toxic fumes.

Mixture Advice For Fire-Fighters

A self contained breathing apparatus and suitable protective clothing should

be worn in fire conditions. Provide a respiratory protective device.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions, Keep away from sources of ignition. Do not breathe vapour. Work in 6.1 **Protective Equipment and** well ventilated zones or use proper respiratory protection. Ventilation **Emergency Procedures** recommended.

6.2 **Environmental Precautions** Do not allow into any sewer on the ground, or into any body of water.

If the product contaminates lakes, rivers or sewages, inform competent

authorities in accordance with local regualtions.

6.3 **Methods and Material For** Adsorb spillages onto sand, earth or any suitable adsorbent material.

May be disposed of by landfill in accordance with local regulations. Do

not use solvents.

6.4 **Reference To Other Sections** See Also Section 7, 8, 10, 13.

6.5 **Additional Information** None

Containment and Cleaning Up

SECTION 7: HANDLING AND STORAGE

Precautions For Safe 7.1 Handling

Use only with adequate ventilation to keep exposures (airborne levels of dust, fume, vapour etc) below recommended exposure limits. Use only in wellventilated areas. Avoid inhalation of high concentrations of vapors. Keep away from fire, sparks and heated surfaces - no smoking. Avoid contact with skin, eyes or clothing. Do not eat, drink or smoke when using this product. Do not empty containers with pressure. Do not place spilled materials back in the original container. Follow legal protection and safety regulations.

SAFETY DATA SHEET

Moglice P Hard Resin

7.2 Conditions For Safe Storage, Including Any

Do not use or store near heat or open flame. Store in a closed container. Do not empty containers with pressure. Do not store and transport with oxidizers etc. No smoking.

Date: 16 September 2011

Incompatibilities
Storage Temperature
Storage Life

Ambient.

Not available

Incompatible Materials Oxidizing agents, strongly acidic and alkaline materials.

7.3 Specific End Use(s) Consult the supplier.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control Parameters

8.1.1 Occupational Exposure Limits

Substance	CAS No.	LTEL (8 hr TWA ppm)	LTEL (8 hr TWA mg/m³)	STEL (ppm)	STEL (mg/m³)	Note:
Reaction product of Bisphenol A-Epichlorhydrin	25068-38-6	NE	NE	NE	NE	NA
Quarz SiO2	14808-60-7	NE	NE	NE	NE	NA
Anilindiglycidylether	2095-06-9	NE	NE	NE	NE	NA
1,6- Hexandioldiglycylether	16096-31-4	NE	NE	NE	NE	NA

8.1.2 Biological Limit Value

Limit Value Type (Country Of Origin)	Substance	CAS No.	Biological Limit Value	Note:
USA	None	None	None	None

8.1.3 PNECs and DNELs

DNEL	Oral	Inhalation	Dermal
Industry - Long Term – Local effects	NA	NA	NA
Industry - Long Term - Systemic effects	NA	NA	NA
Industry - Short term - Local effects	NA	NA	NA
Industry - Short term - Systemic effects	NA	NA	NA
Professional - Long Term - Local effects	NA	NA	NA
Professional - Long Term – Systemic effects	NA	NA	NA
Professional - Short term - Local effects	NA	NA	NA
Professional - Short term - Systemic effects	NA	NA	NA
Consumer - Long Term - Local effects	NA	NA	NA
Consumer - Long Term - Systemic effects	NA	NA	NA
Consumer - Short term - Local effects	NA	NA	NA
Consumer - Short term - Systemic effects	NA	NA	NA

	PNEC
Aquatic Compartment	Not available
Terrestrial Compartment	Not available
Atmospheric Compartment	Not available

SAFETY DATA SHEET

Moglice P Hard Resin

Date: 16 September 2011

Not available

8.2.2 Personal Protection Equipment

Respirators	Wear suitable respiratory protective equipment if exposure to levels above the occupational exposure limit is likely.
Eye Protection	Wear protective eye glasses for protection against liquid splashes.
Gloves	Wear protective gloves: Nitrile rubber or Butyl rubber. The gloves type used must be chosen based on the work activity and duration as well as concentration/quantity of material being handled. Use skin barrier cream before handling the product.
Body Protection	Wear suitable protective clothing and gloves. Anti-static clothing and shoes are recommended.
Engineering Controls	Use adequate ventilation and/or engineering controls in high temperature processing to prevent exposure to vapours.
Other	Remove contaminated, saturated clothing immediately. Contaminated clothing should be thoroughly cleaned.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 **Information On Basic Physical And Chemical Properties**

Not available

Appearance Liquid. Color Not available Mild / Slight Odor Odor Threshold (ppm) Not available Melting Point (°C) / Not available Not available Boiling Point/Boiling Range (°C) Freezing Point (°C) Flash Point (°C) 135°C / 275°F Not available **Explosive Limit Ranges** Auto Ignition 110°C / 230°F Not available Decomposition Temperature (°C) Temperature (°C)

Explosive Properties Flammability (Solid, Gas) Not available pH (Value) Not available **Evaporation Rate** . Vapor Pressure (mm Hg) Not available Not available Vapor Density (Air=1) Not available Density (g/ml) 1.686 g/cm3 at 20°C Solubility (Water) Not available Insoluble in water. Solubility (Other) Partition Coefficient (n-1750 mPa·s Not available Viscosity (mPa.s) Octanol/water)

Oxidizing Properties

9.2 Other Information Volatile Organic Chemical (VOC) Content - Not available.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity Slight

10.2 **Chemical Stability** Stable under normal conditions.

10.3 **Possibility Of Hazardous Reactions** Can react violently if in contact with - Oxidizing agents, Acids,

10.4 **Conditions To Avoid** Avoid contact with heat and ignition sources.

10.5 **Incompatible Materials** Oxidizing agents, Acids, Alkalis.

10.6 **Hazardous Decomposition** Carbon monoxide, Carbon dioxide, Nitrogen oxides and other

Product(s) organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

SUBSTANCE.	CAS No.	LD ₅₀ (Oral, Rat)	LC ₅₀ (Inhalation, Rat)	LD50 (Dermal, Rat)
Reaction product of Bisphenol A-Epichlorhydrin	25068-38-6	13.6 mg/kg	Not established	Not established
Quarz SiO2	14808-60-7	Not established	Not established	Not established
Anilindiglycidylether	2095-06-9	Not established	Not established	Not established
1,6-Hexandioldiglycylether	16096-31-4	Not established	Not established	Not established

SAFETY DATA SHEET

Moglice P Hard Resin

Information On Toxicological Effects

11.1 11.1.2 **Mixtures**

11.2

Revision: 11.01CLP

Acute Toxicity Headache, dizziness, fatigue, amyosthenia and in

serious cases unconsciousness.

Irritation Causes serious eye irritation. Causes skin irritation.

May cause respiratory irritation.

Corrosivity Not to be expected.

Sensitisation May produce an allergic skin reaction.

Similar to single exposures; allergic dermatitis may Repeated Dose Toxicity develop. Suspect carcinogen. Chronic and/or repeated

exposures to quartz dudst may lead to irreversible

Date: 16 September 2011

lung damage.

Suspect carcinogen. Carcinogenicity

Mutagenicity No data. **Toxicity For Reproduction** No data. Other Information None

SECTION 12: ECOLOGICAL INFORMATION

Toxicity 12.1 Toxic to aquatic organisms, may cause long-term adverse

effects in the aquatic environment.

12.2 **Persistence and Degradability** No data

12.3 **Bioaccumulative Potential** Moderately/partially biodegradable.

12.4 **Mobility In Soil** No data 12.5 Results Of PBT and vPvB Assessment No data

Other Adverse Effects 126 An environmental hazard cannot be excluded in the event

> of unprofessional handling or disposal. Toxic to aquatic life with long lasting effects.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 **Waste Treatment Methods** Disposal should be in accordance with local, state or national legisla

Containers must not be punctured or destroyed by burning, even wh

empty.

Additional Information 13.2 None

SECTION 14: TRANSPORT INFORMATION

Land Transport (ADR/RID) (c)(d) Land Transport (Within USA) (c)(d)

UN Number UN Number None None

Proper Shipping Name Proper Shipping Name Not classified as Not classified as

dangerous for transport. dangerous for transport.

Transport Hazard Class(es) None Transport Hazard Class(es) None Packing Group None Packing Group None Hazard Label(s) None Hazard Label(s) None **Environmental Hazards Environmental Hazards** None None Special Precautions For User None Special Precautions For User None

Sea Transport (IMDG) (c)(d) Air Transport (ICAO/IATA) (c) (d)

UN Number UN Number None None

Proper Shipping Name Not classified as Proper Shipping Name Not classified as

dangerous for transport.

dangerous for transport.

None None Transport Hazard class(es) Transport Hazard class(es) Packing Group None Packing Group None Marine Pollutant None **Environmental Hazards** None Special Precautions For User None Special Precautions For User None

(c)- Consult with transport provider.

(d)- Check relevant regulations for Special Provisions.

SAFETY DATA SHEET

Moglice P Hard Resin

Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

SECTION 15: REGULATORY INFORMATION

15.1 Safety, Health And Environmental Regulations/Legislation Specific For The Substance Or Mixture

15.1.1 EU Regulations

Authorisations And/Or Restrictions

Consult the supplier.

On Use

European Union (EINECS/ELINCS) All chemicals listed.

German WGK Number Not Applicable.

15.1.2 National Regulations

USA

TSCA (Toxic Substance Control Act)

All chemicals listed.

SARA 311/312 - Hazard Categories Acute Health, Chronic Health (Carcinogen)

SARA 302 - Extremely Hazardous

Substances

Listed - None

SARA 313 - Toxic Chemicals Contains: None CERCLA (Comprehensive Environmental Listed - None

Response Compensation and Liability

Act)

Listeu - Norie

CAA (Clean Air Act 1990) Listed - None
CWA (Clean Water Act) Listed - None

State Right to Know Lists Listed. –MA, MN, NJ, PA, and RI.

Proposition 65 (California) - This product contains the following substance(s) known to the state of California to cause cancer and/or reproductive harm; Cryatalline Silica (Quartz)

Canada

WHMIS Classification Hazardous under WHMIS: Class D2A, Material having

other toxic effects (Skin and Eye Irritation, Skin

Sensitizer, Suspect Carcinogen,)

Canada (DSL/NDSL) Listed - DSL

Canada Ingredient Disclosure List (CIDL) Listed as required.

15.2 Chemical Safety Assessment Harmful / Irritant (Skin, Eye), Skin Sensitizer,

Suspect Carcinogen

15.3 Label Elements (EU)







Date: 16 September 2011

Label as Harmful / Irritant and Environmentally Hazardous under 1999/45/EC and Health Hazard, Harmful / Irritant and Environmentally Hazardous 1907/2006/EC, and 1272/2008/EC. See Section 2 for full label requirements.

SAFETY DATA SHEET

Moglice P Hard Resin

Date: 16 September 2011

SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements: 1-16.

LEGEND

ACGIH	American Conference Of Governmental Industrial Hygienists	NA	Not Applicable, Not Available
AICS	Australian Inventory Of Chemical Substances	NIOSH	National Institute For Occupational Safety And Health
ANSI	American National Standards Institute	ND	Not Determined
atm	Atmosphere (Pressure Unit)	NFPA	National Fire Prevention Association
BOD	Biological Oxygen Demand	NTP	National Toxicology Program
CAS	Chemical Abstracts Service	OC	Open Cup
CC	Closed Cup	OSHA	Occupational Safety And Health Administration
CDTA	Chemical Drug And Trafficking Act	Part	Partition
COC	Cleveland Open Cup	PEL	Permissible Exposure Limits
COD	Chemical Oxygen Demand	ppb	Parts Per Billion
coeff.	Coefficient	PPE	Personal Protective Equipment
CFR	Code Of Federal Regulations	ppm	Parts Per Million
CPR	Cardio-Pulmonary Resuscitation	psi	Pounds Per Square Inch
DEA	Drug Enforcement Agency	RCRA	Resource Conservation And Recovery Act
DOT	Department Of Transportation	RQ	Reportable Quantity
DSCL	Dangerous Substances Classification And Labeling	RTK	Right To Know
EEC	European Economic Community	SARA	Superfund Amendments And Reauthorization Act
FDA	Food And Drug Administration	STEL	Short-Term Exposure Limit
HMIS	Hazardous Materials Information System	SUSDP	Standard For The Uniform Scheduling Of Drugs And Poisons (Australia)
IARC	International Agency For Research On Cancer	TCC	Tagliabue Closed Cup
IDLH	Immediate Danger To Life Or Health	TDG	Transportation Of Dangerous Goods
kg	Kilogram	TPQ	Threshold Planning Quantity
L	Liter	TQ	Threshold Quantity
LC_{50}	Median Lethal Concentration	TSCA	Toxic Substances Control Act
LD_{50}	Median Lethal Dose	TWA	Time-Weighted Average
LEL	Lower Explosive Limit	UEL	Upper Explosive Limit
mg	Milligram	WES	Workplace Exposure Standard (New Zealand)
mL	Milliliter	WHMIS	Workplace Hazardous Material Information System

References: RTECS, CAS Registry, EINECS/ESIS, Casarett & Doull's Toxicology, Goldfranks's Toxicological Emergencies, Manufacturer Information

Risk Phrases and Safety Phrases

R22: Harmful if swallowed.

R36/38: Irritating to eyes and skin.

R40: Limited evidence of a carcinogenic effect.

R43: May cause sensitization by skin contact.

R48/20: Harmful: danger of serious damage to health by prolonged exposure through inhalation.

R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R52/53: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

S22: Do not breathe dust.

S23: Do not breathe vapour.

S24: Avoid contact with skin.

S24/25: Avoid contact with skin and eyes.

S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S28: After contact with skin, wash immediately with plenty of soap and water.

S36/37: Wear suitable protective clothing and gloves.

S45: In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

S53: Avoid exposure - obtain special instructions before use.

S61: Avoid release to the environment. Refer to special instructions / safety data sheet.

SAFETY DATA SHEET

Moglice P Hard Resin

Date: 16 September 2011

Hazard Statement(s) and Precautionary Statement(s)

H302: Harmful if swallowed.

H315: Causes skin irritation.

H317: May cause an allergic skin reaction.

H319: Causes serious eye irritation.

H351: Suspected of causing cancer.

H373: May cause damage to organs through prolonged or repeated exposure.

H411: Toxic to aquatic life with long lasting effects.

H412: Harmful to aquatic life with long lasting effects.

P264 Wash skin thoroughly after handling.

P273 Avoid release to the environment.

P280 Wear protective gloves/ eye protection/ face protection.

P301 + P312: IF SWALLOWED: Call a POISON CENTRE or doctor/physician if you feel unwell.

P302 + P352 IF ON SKIN: Wash with plenty of soap and water.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P308 + P313: If exposed or concerned: Get medical advice/attention.

P312 Call a POISON CENTER or doctor/ physician if you feel unwell.

P333 + P313 If skin irritation or rash occurs: Get medical advice/ attention.

P337 + P313 If eye irritation persists: Get medical advice/ attention.

P391: Collect spillage.

P501 Dispose of contents/ container to an approved waste disposal plant.

Training Advice: None

Additional Information: None

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. ChemTel Inc. 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. ChemTel Inc. accepts no liability for loss or damage (other than that arising from death or personal injury caused by defective product, if proved), resulting from reliance on this information. Freedom under Patents, Copyright and Designs cannot be assumed.

Page: 9/9 Expiration 15 September 2014