

Dryseal COSHH Assessments based on Manufacturers' Material Safety Data Sheets

Purpose

To present the essential information from Material Safety Data Sheets (MSDS) in a common format and include aspects relevant to the approved method for applying the Dryseal system.

Introduction

The COSHH assessments are based on the routine approved method for installing the Dryseal system, in accordance with the Dryseal Technical Manual. They contain the key elements extracted from the original Material Safety Data Sheets (MSDS) and presented in a common format. The original material safety data sheets can run to over 10 pages per material and are in different presentational formats depending on their origin.

Using these COSHH Assessments

These COSHH assessments have been drawn up to reflect the approved method for installing the Dryseal System. It is the contractor's responsibility to ensure that the assessments are still fit for purpose and reflect the actual methods used in regard to the specifics of the project. They should be reviewed by the contractor as part of their overall risk assessment plan for the project.

Other Hazards Relating to Dryseal

Inhalation of potentially harmful dust may be generated as a result of cutting, trimming etc. dependent upon the method used. This may also irritate exposed skin causing a rash-like inflammation. These problems can be controlled by the use of a suitable dust extraction and / or personal protective equipment.

Possible foodstuff tainting effect. This can occur if sheet comes into direct contact or very close proximity to foodstuffs.

Fire Hazards

Dryseal components are manufactured from fire retardant resins and therefore will not ignite easily. However, burning can occur at high temperatures, which may result in the generation of toxic and corrosive fumes.

Handling

All Dryseal components may have sharp edges, which can cut into the hands. Industrial gloves are recommended to be worn by those handling GRP at all times.








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Dryseal COSHH Assessment Sheet based on Material Safety Data Sheet

Stock Code:	AC1	Stock Adhesive / Sealant Compound Description: POLYSEAL 40 Grey 310ml tubes	
Material:	Polyseal 40	Transport	UN None
Supplier:	Hambleside Danelaw	Material type	Sealant
Main areas of use:	Dryseal	Generic	Sealant
MSDS Issue date:	Jul-13	MSDS last checked: Jul-17	
Hazards Identification: (MSDS Section 2 or 3)	Harmful / Irritant		
WEL (Work Exposure Limit) TWA (Time Weighted Average): (MSDS Section 8)	Diphenylmethane 4.4 di-isocyanate 0.02mg/m3, Naphtha 100mg/m3		
Daily exposure:	Low	<small>Normal risk level for standard usage:</small>	<small>Risk level in ABNORMAL conditions:</small>
Might monitoring be required?	No	Low	Medium
Risk or Hazard Phrases: (MSDS Section 2) This section lists the harmful effects that the substance might have on you (or the environment).	42 52/53	May cause sensitisation by inhalation. Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.	
Cancer / Pregnancy / Nursing	No known cancer hazard. No known pregnancy / nursing hazard.		
Safety or Precautionary Phrases: (MSDS Section 2) This section lists the precautions that you must take to reduce the risks of harm. Where the number ends in an "x", see the MSDS for further details.	2 23 24/25 45 46 51 63	Keep out of the reach of children. Do not breathe gas / fumes / vapour / spray. Avoid contact with skin and eyes. In case of accident or if you feel unwell seek medical advice immediately (show the label where possible). If swallowed, seek medical advice immediately and show this container or label. Use only in well-ventilated areas. In case of accident by inhalation: remove casualty to fresh air and keep at rest.	
Assessor: <i>Ian Middleton</i>		Date: 10-Jul-17	
All COSHH assessments should be reviewed as part of the overall Risk Assessment Plan			








Dryseal COSHH Assessment Sheet based on Material Safety Data Sheet

Stock Code:	AC1		Stock Adhesive / Sealant Compound Description: POLYSEAL 40 Grey 310ml tubes		
Material:	Polyseal 40				
Supplier:	Hambleside Danelaw		Material type	Sealant	
Main areas of use:	Dryseal		Generic	Sealant	
Hazards Identification: (MSDS Section 2 or 3) <i>Harmful / Irritant</i>					
					
Harmful / Irritant	N / A	N / A	N / A	N / A	N / A
<i>Critical Temperature</i>	>61 °C	Risk Level Normal	Low	Risk Level <i>Abnormal</i>	Medium
PPE required: (MSDS Section 8)		Glasses, Gloves			
Recommendation - Material storage before use: <i>In tubes</i>					
Recommendation - Material use: <i>Dispensed from manual skeleton gun</i>					
Recommended precautions to be in place for normal operations (All workers must be trained before handling hazardous materials): <i>PPE to be worn</i>					
Recommended - Further precautions that may be necessary: Use in well ventilated areas					
Expected Symptoms & Effects (MSDS Section 4)					
After Inhalation	May cause irritation or asthma like symptoms.				
Skin Contact	Causes skin irritation. Defatting to skin.				
Eye Contact	May cause irritation and redness.				
After Ingestion	May cause irritation to mouth, throat and gastrointestinal tract.				
First Aid Measures (MSDS Section 4)					
After Inhalation		Remove to fresh air.			
Skin Contact	Wash off with soap and water.				
Eye Contact	Rinse immediately with plenty of water.				
After Ingestion	Do not induce vomiting. Seek immediate medical help.				
Other					
<i>If symptoms persist or if victim is unwell, take to a doctor / medical service</i>					
Assessor:	<i>Ian Middleton</i>			Date: 10-Jul-17	
All COSHH assessments should be reviewed as part of the overall Risk Assessment Plan					

Dryseal COSHH Assessment Sheet based on Material Safety Data Sheet

Stock Code:	CAT5H	Stock Description: MEKP Catalyst (High Active)	
Material:	Curox M-402	Transport	UN 3105
Supplier:	Hambleside Danelaw	Material type	Liquid
Main areas of use:	GRP, Dryseal	Generic	Hardener
MSDS Issue date:	Jul-15	MSDS last checked: Jul-16	
Hazards Identification: (MSDS Section 2 or 3)	Flammable, Oxidising, Corrosive, Harmful / Irritant		
WEL (Work Exposure Limit) TWA (Time Weighted Average): (MSDS Section 8)	2-Butanone, peroxide 1.5mg/m3, Diacetone alcohol 241 mg/m3, Hydrogen peroxide 1.4mg/m3, Butanone 600mg/m3		
Daily exposure:	Low	<small>Normal risk level for standard usage:</small>	<small>Risk level in ABNORMAL conditions:</small>
Might monitoring be required?	No	Medium	High
Risk or Hazard Phrases: (MSDS Section 2) This section lists the harmful effects that the substance might have on you (or the environment).	7 20/22 34 37 242 302 314 335 412	May cause fire. Harmful by inhalation and if swallowed. Causes burns. Irritating to respiratory system. Heating may cause a fire. Harmful if swallowed. Causes severe skin burns and eye damage. May cause respiratory irritation. Harmful to aquatic life with long lasting effects.	
Cancer / Pregnancy / Nursing	No known cancer hazard. No known pregnancy / nursing hazard.		
Safety or Precautionary Phrases: (MSDS Section 2) This section lists the precautions that you must take to reduce the risks of harm. Where the number ends in an "x", see the MSDS for further details.	220 235 261 262 273 280	Keep / Store away from clothing / ... / combustible materials. Keep cool. Avoid breathing dust / fume / gas / mist / vapours / spray. Do not get in eyes, on skin, or on clothing. Avoid release to the environment. Wear protective gloves / protective clothing / eye protection / face protection.	
Assessor:	<i>Ian Middleton</i>		Date: 25-Jul-16
All COSHH assessments should be reviewed as part of the overall Risk Assessment Plan			








Dryseal COSHH Assessment Sheet based on Material Safety Data Sheet

Stock Code:	CAT5H	Stock Description: MEKP Catalyst (High Active)			
Material:	Curox M-402				
Supplier:	Hambleside Danelaw		Material type	Liquid	
Main areas of use:	GRP, Dryseal		Generic	Hardener	
Hazards Identification: (MSDS Section 2 or 3) <i>Flammable, Oxidising, Corrosive, Harmful / Irritant</i>					
					
Harmful / Irritant	Flammable	Corrosive	Oxidising	N / A	N / A
<i>Critical Temperature</i>	60 °C	Risk Level Normal	Medium	Risk Level Abnormal	High
PPE required: (MSDS Section 8)		Face shield, Butyl rubber gloves.			
Recommendation - Material storage before use: <i>Keep dry. In flame resistant cupboard</i>					
Recommendation - Material use: <i>Add measured dose to dispensed resin & mix in</i>					
Recommended precautions to be in place for normal operations (All workers must be trained before handling hazardous materials): <i>Minimal exposure, PPE to be worn when using. Workers must have had chemical training prior to working with chemicals.</i>					
Recommended - Further precautions that may be necessary: DO NOT STORE WITH ACETONE OR RESIN / TOP COAT					
Expected Symptoms & Effects (MSDS Section 4)					
After Inhalation	May cause respiratory irritation.				
Skin Contact	Causes severe burns.				
Eye Contact	Causes serious eye damage.				
After Ingestion	May cause digestive tract burns.				
First Aid Measures (MSDS Section 4)					
After Inhalation		Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor / physician if you feel unwell.			
Skin Contact		Remove / Take off immediately all contaminated clothing. Rinse cautiously with water for several minutes.			
Eye Contact		Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.			
After Ingestion		Do not induce vomiting. Rinse mouth with water. If nausea persists seek medical help.			
Other		Get immediate medical advice / attention.			
<i>If symptoms persist or if victim is unwell, take to a doctor / medical service</i>					
Assessor:	<i>Ian Middleton</i>			Date: 25-Jul-16	
All COSHH assessments should be reviewed as part of the overall Risk Assessment Plan					

Dryseal COSHH Assessment Sheet based on Material Safety Data Sheet

Stock Code:	CAT5L	Stock Description: MEKP Catalyst (Low Active)	
Material:	Curox M-102	Transport	UN 3105
Supplier:	Hambleside Danelaw	Material type	Liquid
Main areas of use:	Dryseal	Generic	Hardener
MSDS Issue date:	Jul-16	MSDS last checked: Aug-16	
Hazards Identification: (MSDS Section 2 or 3)	Flammable, Oxidising, Corrosive, Harmful / Irritant		
WEL (Work Exposure Limit) TWA (Time Weighted Average): (MSDS Section 8)	2-Butanone Peroxide 1.5mg/m3		
Daily exposure:	Low	<small>Normal risk level for standard usage:</small>	<small>Risk level in ABNORMAL conditions:</small>
Might monitoring be required?	No	Medium	High
Risk or Hazard Phrases: (MSDS Section 2) This section lists the harmful effects that the substance might have on you (or the environment).	242 302 314 318 332 412	Heating may cause a fire. Harmful if swallowed. Causes severe skin burns and eye damage. Causes serious eye damage. Harmful if inhaled. Harmful to aquatic life with long lasting effects.	
Cancer / Pregnancy / Nursing	No known cancer hazard. No known pregnancy / nursing hazard.		
Safety or Precautionary Phrases: (MSDS Section 2) This section lists the precautions that you must take to reduce the risks of harm. Where the number ends in an "x", see the MSDS for further details.	220 233 235 260 261 262 273 280	Keep / Store away from clothing / ... / combustible materials. Keep container tightly closed. Keep cool. Do not breathe dust / fume / gas / mist / vapours / spray. Avoid breathing dust / fume / gas / mist / vapours / spray. Do not get in eyes, on skin, or on clothing. Avoid release to the environment. Wear protective gloves / protective clothing / eye protection / face protection.	
Assessor:	<i>Ian Middleton</i>		Date: 09-Aug-16
All COSHH assessments should be reviewed as part of the overall Risk Assessment Plan			








Dryseal COSHH Assessment Sheet based on Material Safety Data Sheet

Stock Code:	CAT5L	Stock Description: MEKP Catalyst (Low Active)			
Material:	Curox M-102				
Supplier:	Hambleside Danelaw		Material type	Liquid	
Main areas of use:	Dryseal		Generic	Hardener	
Hazards Identification: (MSDS Section 2 or 3) <i>Flammable, Oxidising, Corrosive, Harmful / Irritant</i>					
					
Harmful / Irritant	Flammable	Corrosive	Oxidising	N / A	N / A
<i>Critical Temperature</i>	60 °C	Risk Level Normal	Medium	Risk Level Abnormal	High
PPE required: (MSDS Section 8)		Face shield, Butyl rubber gloves.			
Recommendation - Material storage before use: <i>Keep dry. In flame resistant cupboard</i>					
Recommendation - Material use: <i>Add measured dose to dispensed resin & mix in</i>					
Recommended precautions to be in place for normal operations (All workers must be trained before handling hazardous materials): <i>Minimal exposure, PPE to be worn when using. Workers must have had chemical training prior to working with chemicals.</i>					
Recommended - Further precautions that may be necessary: DO NOT STORE WITH ACETONE OR RESIN / TOP COAT					
Expected Symptoms & Effects (MSDS Section 4)					
After Inhalation	May cause respiratory irritation.				
Skin Contact	Causes severe burns.				
Eye Contact	Causes serious eye damage.				
After Ingestion	May cause digestive tract burns.				
First Aid Measures (MSDS Section 4)					
After Inhalation		Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor / physician if you feel unwell.			
Skin Contact		Remove / Take off immediately all contaminated clothing. Rinse cautiously with water for several minutes.			
Eye Contact		Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.			
After Ingestion		Call a POISON CENTER or doctor / physician if you feel unwell.			
Other		Get immediate medical advice / attention.			
<i>If symptoms persist or if victim is unwell, take to a doctor / medical service</i>					
Assessor:	<i>Ian Middleton</i>			Date: 09-Aug-16	
All COSHH assessments should be reviewed as part of the overall Risk Assessment Plan					

Dryseal COSHH Assessment Sheet based on Material Safety Data Sheet

Stock Code:	CAT5M	Stock Description: MEKP Catalyst (Medium Active)	
Material:	Curox M-312	Transport	UN 3105
Supplier:	Hambleside Danelaw	Material type	Liquid
Main areas of use:	Dryseal	Generic	Hardener
MSDS Issue date:	Jul-16	MSDS last checked: Aug-16	
Hazards Identification: (MSDS Section 2 or 3)	Flammable, Oxidising, Corrosive, Harmful / Irritant		
WEL (Work Exposure Limit) TWA (Time Weighted Average): (MSDS Section 8)	2-Butanone, peroxide 1.5mg/m3, Diacetone alcohol 241 mg/m3, Butanone 600mg/m3, Hydrogen peroxide 1.4mg/m3		
Daily exposure:	Low	<small>Normal risk level for standard usage:</small>	<small>Risk level in ABNORMAL conditions:</small>
Might monitoring be required?	No	Medium	High
Risk or Hazard Phrases: (MSDS Section 2) This section lists the harmful effects that the substance might have on you (or the environment).	226 242 304 314 318 332 412	Flammable liquid and vapour. Heating may cause a fire. May be fatal if swallowed and enters airways. Causes severe skin burns and eye damage. Causes serious eye damage. Harmful if inhaled. Harmful to aquatic life with long lasting effects.	
Cancer / Pregnancy / Nursing	No known cancer hazard. No known pregnancy / nursing hazard.		
Safety or Precautionary Phrases: (MSDS Section 2) This section lists the precautions that you must take to reduce the risks of harm. Where the number ends in an "x", see the MSDS for further details.	210 220 233 235 260 261 262 273 280	Keep away from heat / sparks / open flames / hot surfaces. – No smoking. Keep / Store away from clothing / ... / combustible materials. Keep container tightly closed. Keep cool. Do not breathe dust / fume / gas / mist / vapours / spray. Avoid breathing dust / fume / gas / mist / vapours / spray. Do not get in eyes, on skin, or on clothing. Avoid release to the environment. Wear protective gloves / protective clothing / eye protection / face protection.	
Assessor:	<i>Ian Middleton</i>		Date: 09-Aug-16
All COSHH assessments should be reviewed as part of the overall Risk Assessment Plan			








Dryseal COSHH Assessment Sheet based on Material Safety Data Sheet

Stock Code:	CAT5M	Stock Description: MEKP Catalyst (Medium Active)			
Material:	Curox M-312				
Supplier:	Hambleside Danelaw		Material type	Liquid	
Main areas of use:	Dryseal		Generic	Hardener	
Hazards Identification: (MSDS Section 2 or 3) <i>Flammable, Oxidising, Corrosive, Harmful / Irritant</i>					
					
Harmful / Irritant	Flammable	Corrosive	Oxidising	N / A	N / A
<i>Critical Temperature</i>	57 °C	Risk Level Normal	Medium	Risk Level Abnormal	High
PPE required: (MSDS Section 8)		<i>Face shield, Butyl rubber gloves.</i>			
Recommendation - Material storage before use: <i>Keep dry. In flame resistant cupboard</i>					
Recommendation - Material use: <i>Add measured dose to dispensed resin & mix in</i>					
Recommended precautions to be in place for normal operations (All workers must be trained before handling hazardous materials): <i>Minimal exposure, PPE to be worn when using. Workers must have had chemical training prior to working with chemicals.</i>					
Recommended - Further precautions that may be necessary: DO NOT STORE WITH ACETONE OR RESIN / TOP COAT					
Expected Symptoms & Effects (MSDS Section 4)					
After Inhalation	May cause respiratory irritation.				
Skin Contact	Causes severe burns.				
Eye Contact	Causes serious eye damage.				
After Ingestion	May cause digestive tract burns.				
First Aid Measures (MSDS Section 4)					
After Inhalation		Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor / physician if you feel unwell.			
Skin Contact		Remove / Take off immediately all contaminated clothing. Rinse cautiously with water for several minutes.			
Eye Contact		Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.			
After Ingestion		Call a POISON CENTER or doctor / physician if you feel unwell.			
Other		Get immediate medical advice / attention.			
<i>If symptoms persist or if victim is unwell, take to a doctor / medical service</i>					
Assessor:	<i>Ian Middleton</i>			Date: 09-Aug-16	
All COSHH assessments should be reviewed as part of the overall Risk Assessment Plan					

Dryseal COSHH Assessment Sheet based on Material Safety Data Sheet

Stock Code:	GFM100	Stock Description: 450gm Glass Fibre Mat	
Material:	Glass Mat	Transport	UN None
Supplier:	Hambleside Danelaw	Material type	Solid
Main areas of use:	Dryseal	Generic	Glass Mat
MSDS Issue date:	Mar-15	MSDS last checked: Jul-17	
Hazards Identification: (MSDS Section 2 or 3) Benign			
WEL (Work Exposure Limit) TWA (Time Weighted Average): Fibre glass dust 5ppm (MSDS Section 8)			
Daily exposure:	Low	<small>Normal risk level for standard usage:</small>	<small>Risk level in ABNORMAL conditions:</small>
Might monitoring be required?	No	Low	Low
Risk or Hazard Phrases: (MSDS Section 2) This section lists the harmful effects that the substance might have on you (or the environment).	0	None, or none shown on Safety Data Sheet	
Cancer / Pregnancy / Nursing		No known cancer hazard. No known pregnancy / nursing hazard.	
Safety or Precautionary Phrases: (MSDS Section 2) This section lists the precautions that you must take to reduce the risks of harm. Where the number ends in an "x", see the MSDS for further details.	0	None, or none shown on Safety Data Sheet.	
Assessor: Ian Middleton		Date: 11-Jul-17	
All COSHH assessments should be reviewed as part of the overall Risk Assessment Plan			








Dryseal COSHH Assessment Sheet based on Material Safety Data Sheet

Stock Code:	GFM100		Stock Description: 450gm Glass Fibre Mat		
Material:	Glass Mat		Material type		Solid
Supplier:	Hambleside Danelaw		Generic		Glass Mat
Main areas of use:	Dryseal				
Hazards Identification: (MSDS Section 2 or 3) <i>Benign</i>					
					
N / A	N / A	N / A	N / A	N / A	N / A
<i>Critical Temperature</i>	800 °C	Risk Level Normal	Low	Risk Level Abnormal	Low
PPE required: (MSDS Section 8)		<i>None. If sensitised wear gloves and long sleeves.</i>			
Recommendation - Material storage before use: <i>Keep dry. In rolls in warehouse</i>					
Recommendation - Material use: <i>Applied manually with roller</i>					
Recommended precautions to be in place for normal operations (All workers must be trained before handling hazardous materials): <i>None</i>					
Recommended - Further precautions that may be necessary: <i>None</i>					
Expected Symptoms & Effects (MSDS Section 4)					
After Inhalation	May be harmful if inhaled.				
Skin Contact	May cause irritation.				
Eye Contact	May cause irritation.				
After Ingestion	May cause gastrointestinal disturbances.				
 First Aid Measures (MSDS Section 4)					
After Inhalation	Remove to fresh air and keep casualty calm.				
Skin Contact	Wash off with soap and water.				
Eye Contact	Rinse open eye for several minutes under running water.				
After Ingestion	Do not induce vomiting. Seek medical help if required.				
Other					
<i>If symptoms persist or if victim is unwell, take to a doctor / medical service</i>					
Assessor:	<i>Ian Middleton</i>		Date: 11-Jul-17		
All COSHH assessments should be reviewed as part of the overall Risk Assessment Plan					

Dryseal COSHH Assessment Sheet based on Material Safety Data Sheet

Stock Code:	GFT150	Stock Description: Glass Fibre Tissue	
Material:	Glass Tissue	Transport	UN None
Supplier:	Hambleside Danelaw	Material type	Solid
Main areas of use:	Dryseal	Generic	Glass Tissue
MSDS Issue date:	Mar-15	MSDS last checked: Jul-17	
Hazards Identification: (MSDS Section 2 or 3) Benign			
WEL (Work Exposure Limit) TWA (Time Weighted Average): Fibre glass dust 5ppm (MSDS Section 8)			
Daily exposure:		Low	<small>Normal risk level for standard usage:</small>
Might monitoring be required?		No	<small>Risk level in ABNORMAL conditions:</small>
		Low	Low
Risk or Hazard Phrases: (MSDS Section 2) This section lists the harmful effects that the substance might have on you (or the environment).	0	None, or none shown on Safety Data Sheet	
Cancer / Pregnancy / Nursing		No known cancer hazard. No known pregnancy / nursing hazard.	
Safety or Precautionary Phrases: (MSDS Section 2) This section lists the precautions that you must take to reduce the risks of harm. Where the number ends in an "x", see the MSDS for further details.	0	None, or none shown on Safety Data Sheet.	
Assessor: <i>Ian Middleton</i>		Date: 11-Jul-17	
All COSHH assessments should be reviewed as part of the overall Risk Assessment Plan			








Dryseal COSHH Assessment Sheet based on Material Safety Data Sheet

Stock Code:	GFT150		Stock Description: Glass Fibre Tissue		
Material:	Glass Tissue		Material type		Solid
Supplier:	Hambleside Danelaw		Generic		Glass Tissue
Main areas of use:	Dryseal				
Hazards Identification: (MSDS Section 2 or 3) <i>Benign</i>					
					
N / A	N / A	N / A	N / A	N / A	N / A
<i>Critical Temperature</i>	800 °C	Risk Level Normal	Low	Risk Level Abnormal	Low
PPE required: (MSDS Section 8)		<i>None. If sensitised wear gloves and long sleeves.</i>			
Recommendation - Material storage before use: <i>Keep dry. In rolls in warehouse</i>					
Recommendation - Material use: <i>Applied manually with roller</i>					
Recommended precautions to be in place for normal operations (All workers must be trained before handling hazardous materials): <i>None</i>					
Recommended - Further precautions that may be necessary: <i>None</i>					
Expected Symptoms & Effects (MSDS Section 4)					
After Inhalation	May be harmful if inhaled.				
Skin Contact	May cause irritation.				
Eye Contact	May cause irritation.				
After Ingestion	May cause gastrointestinal disturbances.				
First Aid Measures (MSDS Section 4)					
After Inhalation		Remove to fresh air and keep casualty calm.			
Skin Contact	Wash off with soap and water.				
Eye Contact	Rinse open eye for several minutes under running water.				
After Ingestion	Do not induce vomiting. Seek medical help if required.				
Other					
<i>If symptoms persist or if victim is unwell, take to a doctor / medical service</i>					
Assessor: <i>Ian Middleton</i>		Date: 11-Jul-17			
All COSHH assessments should be reviewed as part of the overall Risk Assessment Plan					

Dryseal COSHH Assessment Sheet based on Material Safety Data Sheet

Stock Code:	PET20 DG	Stock Description:	Polyester Top Coat Dark Grey 20Lt G302810020 Fireguard TC 73PAX 6283	
Material:	Fireguard TC 73PAX Grey 6283	Transport	UN 1866	
Supplier:	Hambleside Danelaw	Material type	Liquid	
Main areas of use:	Dryseal	Generic	Top Coat	
MSDS Issue date:	May-15	MSDS last checked:	Aug-16	
Hazards Identification: (MSDS Section 2 or 3)	Flammable, Harmful / Irritant, Long Term Health Hazard			
WEL (Work Exposure Limit) TWA (Time Weighted Average): (MSDS Section 8)	Styrene 430mg/m3, Titanium Dioxide 4mg/m3, Silica dust 2.4mg/m3, Maleic Anhydride 1mg/m3			
Daily exposure:	Medium	<small>Normal risk level for standard usage:</small>	<small>Risk level in ABNORMAL conditions:</small>	
Might monitoring be required?	No	Medium	High	
Risk or Hazard Phrases: (MSDS Section 2) This section lists the harmful effects that the substance might have on you (or the environment).	10	Flammable.		
	20	Harmful by inhalation.		
	36/38	Irritating to eyes and skin.		
	48/20	Harmful: danger of serious damage to health by prolonged exposure through inhalation.		
	63	Possible risk of harm to the unborn child.		
	226	Flammable liquid and vapour.		
	332	Harmful if inhaled.		
	319	Causes serious eye irritation.		
	315	Causes skin irritation.		
	361	Suspected of damaging fertility or the unborn child .		
372	Causes damage to organs .			
Cancer / Pregnancy / Nursing	No known cancer hazard. May impair fertility, cause damage to unborn child or breast-fed children.			
Safety or Precautionary Phrases: (MSDS Section 2) This section lists the precautions that you must take to reduce the risks of harm. Where the number ends in an "x", see the MSDS for further details.	201	Obtain special instructions before use.		
	280	Wear protective gloves / protective clothing / eye protection / face protection.		
	210	Keep away from heat / sparks / open flames / hot surfaces. – No smoking.		
	241	Use explosion-proof electrical / ventilating / lighting / ... / equipment.		
	260	Do not breathe dust / fume / gas / mist / vapours / spray.		
Assessor:	<i>Ian Middleton</i>		Date: 09-Aug-16	
All COSHH assessments should be reviewed as part of the overall Risk Assessment Plan				








Dryseal COSHH Assessment Sheet based on Material Safety Data Sheet

Stock Code:	PET20 DG	Stock Description:	Polyester Top Coat Dark Grey 20Lt G302810020 Fireguard TC 73PAX 6283		
Material:	Fireguard TC 73PAX Grey 6283				
Supplier:	Hambleside Danelaw		Material type	Liquid	
Main areas of use:	Dryseal		Generic	Top Coat	
Hazards Identification: (MSDS Section 2 or 3) <i>Flammable, Harmful / Irritant, Long Term Health Hazard</i>					
					
Harmful / Irritant	Flammable	N / A	N / A	Longer Term Health Hazard	N / A
<i>Critical Temperature</i>	23 °C	Risk Level Normal	Medium	Risk Level <i>Abnormal</i>	High
PPE required: (MSDS Section 8)		<i>Goggles, Chemical resistant, impervious gloves when risk of splashing.</i>			
Recommendation - Material storage before use: <i>Keep dry. Sealed containers on pallets in warehouse</i>					
Recommendation - Material use: <i>Manual application by contractor</i>					
Recommended precautions to be in place for normal operations (All workers must be trained before handling hazardous materials): <i>PPE to be worn when open. Workers must have had chemical training prior to working with chemicals.</i>					
Recommended - Further precautions that may be necessary: DO NOT STORE WITH CATALYST / HARDENER					
Expected Symptoms & Effects (MSDS Section 4)					
After Inhalation	Harmful if inhaled.				
Skin Contact	Causes skin irritation.				
Eye Contact	Causes serious eye irritation.				
After Ingestion	No known effects.				
First Aid Measures (MSDS Section 4)					
After Inhalation		Remove victim to fresh air and keep at rest in a position comfortable for breathing.			
Skin Contact	Remove / Take off immediately all contaminated clothing. Rinse cautiously with water for several minutes.				
Eye Contact	Rinse open eye for several minutes under running water. Seek medical help.				
After Ingestion	Do not induce vomiting. Rinse mouth with water. If nausea persists seek medical help.				
Other					
<i>If symptoms persist or if victim is unwell, take to a doctor / medical service</i>					
Assessor:	<i>Ian Middleton</i>			Date: 09-Aug-16	
All COSHH assessments should be reviewed as part of the overall Risk Assessment Plan					

Dryseal COSHH Assessment Sheet based on Material Safety Data Sheet

Stock Code:	PET20 LG	Stock Description:	Polyester Top Coat Light Grey 20Lt G302880020 Fireguard TC 73PAX 6285	
Material:	Fireguard TC 73PAX Grey 6285	Transport	UN 1866	
Supplier:	Hambleside Danelaw	Material type	Liquid	
Main areas of use:	Dryseal	Generic	Top Coat	
MSDS Issue date:	May-15	MSDS last checked:	Aug-16	
Hazards Identification: (MSDS Section 2 or 3)	Flammable, Harmful / Irritant, Long Term Health Hazard			
WEL (Work Exposure Limit) TWA (Time Weighted Average): (MSDS Section 8)	Styrene 430mg/m3, Titanium Dioxide 4mg/m3, Silica dust 2.4mg/m3, Maleic Anhydride 1mg/m3			
Daily exposure:	Medium	<small>Normal risk level for standard usage:</small>	<small>Risk level in ABNORMAL conditions:</small>	
Might monitoring be required?	No	Medium	High	
Risk or Hazard Phrases: (MSDS Section 2) This section lists the harmful effects that the substance might have on you (or the environment).	10	Flammable.		
	20	Harmful by inhalation.		
	36/38	Irritating to eyes and skin.		
	48/20	Harmful: danger of serious damage to health by prolonged exposure through inhalation.		
	63	Possible risk of harm to the unborn child.		
	226	Flammable liquid and vapour.		
	332	Harmful if inhaled.		
	319	Causes serious eye irritation.		
	315	Causes skin irritation.		
	361	Suspected of damaging fertility or the unborn child .		
372	Causes damage to organs .			
Cancer / Pregnancy / Nursing	No known cancer hazard. May impair fertility, cause damage to unborn child or breast-fed children.			
Safety or Precautionary Phrases: (MSDS Section 2) This section lists the precautions that you must take to reduce the risks of harm. Where the number ends in an "x", see the MSDS for further details.	201	Obtain special instructions before use.		
	280	Wear protective gloves / protective clothing / eye protection / face protection.		
	210	Keep away from heat / sparks / open flames / hot surfaces. – No smoking.		
	241	Use explosion-proof electrical / ventilating / lighting / ... / equipment.		
	260	Do not breathe dust / fume / gas / mist / vapours / spray.		
Assessor:	<i>Ian Middleton</i>		Date: 09-Aug-16	
All COSHH assessments should be reviewed as part of the overall Risk Assessment Plan				








Dryseal COSHH Assessment Sheet based on Material Safety Data Sheet

Stock Code:	PET20 LG	Stock Description:	Polyester Top Coat Light Grey 20Lt G302880020 Fireguard TC 73PAX 6285		
Material:	Fireguard TC 73PAX Grey 6285				
Supplier:	Hambleside Danelaw		Material type	Liquid	
Main areas of use:	Dryseal		Generic	Top Coat	
Hazards Identification: (MSDS Section 2 or 3) <i>Flammable, Harmful / Irritant, Long Term Health Hazard</i>					
					
Harmful / Irritant	Flammable	N / A	N / A	Longer Term Health Hazard	N / A
<i>Critical Temperature</i>	23 °C	Risk Level Normal	Medium	Risk Level <i>Abnormal</i>	High
PPE required: (MSDS Section 8)		<i>Goggles, Chemical resistant, impervious gloves when risk of splashing.</i>			
Recommendation - Material storage before use: <i>Keep dry. Sealed containers on pallets in warehouse</i>					
Recommendation - Material use: <i>Manual application by contractor</i>					
Recommended precautions to be in place for normal operations (All workers must be trained before handling hazardous materials): <i>PPE to be worn when open. Workers must have had chemical training prior to working with chemicals.</i>					
Recommended - Further precautions that may be necessary: DO NOT STORE WITH CATALYST / HARDENER					
Expected Symptoms & Effects (MSDS Section 4)					
After Inhalation	Harmful if inhaled.				
Skin Contact	Causes skin irritation.				
Eye Contact	Causes serious eye irritation.				
After Ingestion	No known effects.				
 First Aid Measures (MSDS Section 4)					
After Inhalation	Remove victim to fresh air and keep at rest in a position comfortable for breathing.				
Skin Contact	Remove / Take off immediately all contaminated clothing. Rinse cautiously with water for several minutes.				
Eye Contact	Rinse open eye for several minutes under running water. Seek medical help.				
After Ingestion	Do not induce vomiting. Rinse mouth with water. If nausea persists seek medical help.				
Other					
<i>If symptoms persist or if victim is unwell, take to a doctor / medical service</i>					
Assessor:	<i>Ian Middleton</i>			Date: 09-Aug-16	
All COSHH assessments should be reviewed as part of the overall Risk Assessment Plan					

Dryseal COSHH Assessment Sheet based on Material Safety Data Sheet

Stock Code:	PLR20 S	Stock Polyester Laminating Resin 20Lt Description: Summer Grade Crystic 2.420PA	
Material:	Crystic 2.420PA	Transport	UN 1866
Supplier:	Hambleside Danelaw	Material type	Liquid
Main areas of use:	Dryseal	Generic	Laminating Resin
MSDS Issue date:	Sep-16	MSDS last checked: Feb-17	
Hazards Identification: (MSDS Section 2 or 3)	Flammable, Harmful / Irritant, Long Term Health Hazard		
WEL (Work Exposure Limit) TWA (Time Weighted Average): (MSDS Section 8)	Styrene 430mg/m3, 2-Phenylpropene 246mg/m3, Phthalic Anhydride 4mg/m3		
Daily exposure:	Medium	<small>Normal risk level for standard usage:</small>	<small>Risk level in ABNORMAL conditions:</small>
Might monitoring be required?	No	Medium	High
Risk or Hazard Phrases: (MSDS Section 2) This section lists the harmful effects that the substance might have on you (or the environment).	10	Flammable.	
	20	Harmful by inhalation.	
	36/38	Irritating to eyes and skin.	
	48/20	Harmful: danger of serious damage to health by prolonged exposure through inhalation.	
	63	Possible risk of harm to the unborn child.	
	226	Flammable liquid and vapour.	
	332	Harmful if inhaled.	
	319	Causes serious eye irritation.	
	315	Causes skin irritation.	
	361	Suspected of damaging fertility or the unborn child .	
372	Causes damage to organs .		
412	Harmful to aquatic life with long lasting effects.		
Cancer / Pregnancy / Nursing	No known cancer hazard. May impair fertility, cause damage to unborn child or breast-fed children.		
Safety or Precautionary Phrases: (MSDS Section 2) This section lists the precautions that you must take to reduce the risks of harm. Where the number ends in an "x", see the MSDS for further details.	201	Obtain special instructions before use.	
	280	Wear protective gloves / protective clothing / eye protection / face protection.	
	210	Keep away from heat / sparks / open flames / hot surfaces. – No smoking.	
	241	Use explosion-proof electrical / ventilating / lighting / ... / equipment.	
	260	Do not breathe dust / fume / gas / mist / vapours / spray.	
	273	Avoid release to the environment.	
Assessor:	<i>Ian Middleton</i>	Date: 07-Feb-17	
All COSHH assessments should be reviewed as part of the overall Risk Assessment Plan			








Dryseal COSHH Assessment Sheet based on Material Safety Data Sheet

Stock Code:	PLR20 S	Stock Polyester Laminating Resin 20Lt Description: Summer Grade Crystic 2.420PA			
Material:	Crystic 2.420PA				
Supplier:	Hambleside Danelaw		Material type	Liquid	
Main areas of use:	Dryseal		Generic	Laminating Resin	
Hazards Identification: (MSDS Section 2 or 3) <i>Flammable, Harmful / Irritant, Long Term Health Hazard</i>					
					
Harmful / Irritant	Flammable	N / A	N / A	Longer Term Health Hazard	N / A
<i>Critical Temperature</i>	32 °C	Risk Level Normal	Medium	Risk Level Abnormal	High
PPE required: (MSDS Section 8)		<i>Goggles, Chemical resistant, impervious gloves when risk of splashing.</i>			
Recommendation - Material storage before use: <i>Keep dry. Sealed containers on pallets in warehouse</i>					
Recommendation - Material use: <i>Manual application by contractor</i>					
Recommended precautions to be in place for normal operations (All workers must be trained before handling hazardous materials): <i>PPE to be worn when open. Workers must have had chemical training prior to working with chemicals.</i>					
Recommended - Further precautions that may be necessary: DO NOT STORE WITH CATALYST / HARDENER					
Expected Symptoms & Effects (MSDS Section 4)					
After Inhalation	Harmful if inhaled.				
Skin Contact	Causes skin irritation.				
Eye Contact	Causes serious eye irritation.				
After Ingestion	No known effects.				
First Aid Measures (MSDS Section 4)					
After Inhalation		Remove victim to fresh air and keep at rest in a position comfortable for breathing.			
Skin Contact		Remove / Take off immediately all contaminated clothing. Rinse cautiously with water for several minutes.			
Eye Contact		Rinse open eye for several minutes under running water. Seek medical help.			
After Ingestion		Do not induce vomiting. Rinse mouth with water. If nausea persists seek medical help.			
Other					
<i>If symptoms persist or if victim is unwell, take to a doctor / medical service</i>					
Assessor:	<i>Ian Middleton</i>			Date: 07-Feb-17	
All COSHH assessments should be reviewed as part of the overall Risk Assessment Plan					

Dryseal COSHH Assessment Sheet based on Material Safety Data Sheet

Stock Code:	PLR25 W	Stock Polyester Laminating Resin 25Lt Description: Winter Grade Crystic 2.8500PA	
Material:	Crystic 2.8500PA	Transport	UN 1866
Supplier:	Hambleside Danelaw	Material type	Liquid
Main areas of use:	Dryseal	Generic	Laminating Resin
MSDS Issue date:	Apr-16	MSDS last checked: Aug-16	
Hazards Identification: (MSDS Section 2 or 3)	Flammable, Harmful / Irritant, Long Term Health Hazard		
WEL (Work Exposure Limit) TWA (Time Weighted Average): (MSDS Section 8)	Styrene 430mg/m3, Cobalt Bis(2-Ethylhexanoate) 0.1mg/m3		
Daily exposure:	Medium	<small>Normal risk level for standard usage:</small>	<small>Risk level in ABNORMAL conditions:</small>
Might monitoring be required?	No	Medium	High
Risk or Hazard Phrases: (MSDS Section 2) This section lists the harmful effects that the substance might have on you (or the environment).	20	Harmful by inhalation.	
	36/38	Irritating to eyes and skin.	
	48/20	Harmful: danger of serious damage to health by prolonged exposure through inhalation.	
	63	Possible risk of harm to the unborn child.	
	226	Flammable liquid and vapour.	
	332	Harmful if inhaled.	
	319	Causes serious eye irritation.	
	315	Causes skin irritation.	
	361	Suspected of damaging fertility or the unborn child .	
372	Causes damage to organs .		
Cancer / Pregnancy / Nursing	No known cancer hazard. May impair fertility, cause damage to unborn child or breast-fed children.		
Safety or Precautionary Phrases: (MSDS Section 2) This section lists the precautions that you must take to reduce the risks of harm. Where the number ends in an "x", see the MSDS for further details.	201	Obtain special instructions before use.	
	280	Wear protective gloves / protective clothing / eye protection / face protection.	
	210	Keep away from heat / sparks / open flames / hot surfaces. – No smoking.	
	241	Use explosion-proof electrical / ventilating / lighting / ... / equipment.	
	260	Do not breathe dust / fume / gas / mist / vapours / spray.	
Assessor:	<i>Ian Middleton</i>	Date: 09-Aug-16	
All COSHH assessments should be reviewed as part of the overall Risk Assessment Plan			








Dryseal COSHH Assessment Sheet based on Material Safety Data Sheet

Stock Code:	PLR25 W	Stock Polyester Laminating Resin 25Lt Description: Winter Grade Crystic 2.8500PA			
Material:	Crystic 2.8500PA				
Supplier:	Hambleside Danelaw		Material type	Liquid	
Main areas of use:	Dryseal		Generic	Laminating Resin	
Hazards Identification: (MSDS Section 2 or 3) <i>Flammable, Harmful / Irritant, Long Term Health Hazard</i>					
					
Harmful / Irritant	Flammable	N / A	N / A	Longer Term Health Hazard	N / A
<i>Critical Temperature</i>	23 °C	Risk Level Normal	Medium	Risk Level Abnormal	High
PPE required: (MSDS Section 8)		<i>Goggles, Chemical resistant, impervious gloves when risk of splashing.</i>			
Recommendation - Material storage before use: <i>Keep dry. Sealed containers on pallets in warehouse</i>					
Recommendation - Material use: <i>Manual application by contractor</i>					
Recommended precautions to be in place for normal operations (All workers must be trained before handling hazardous materials): <i>PPE to be worn when open. Workers must have had chemical training prior to working with chemicals.</i>					
Recommended - Further precautions that may be necessary: DO NOT STORE WITH CATALYST / HARDENER					
Expected Symptoms & Effects (MSDS Section 4)					
After Inhalation	Harmful if inhaled.				
Skin Contact	Causes skin irritation.				
Eye Contact	Causes serious eye irritation.				
After Ingestion	No known effects.				
 First Aid Measures (MSDS Section 4)					
After Inhalation	Remove victim to fresh air and keep at rest in a position comfortable for breathing.				
Skin Contact	Remove / Take off immediately all contaminated clothing. Rinse cautiously with water for several minutes.				
Eye Contact	Rinse open eye for several minutes under running water. Seek medical help.				
After Ingestion	Do not induce vomiting. Rinse mouth with water. If nausea persists seek medical help.				
Other					
<i>If symptoms persist or if victim is unwell, take to a doctor / medical service</i>					
Assessor:	<i>Ian Middleton</i>			Date: 09-Aug-16	
All COSHH assessments should be reviewed as part of the overall Risk Assessment Plan					

Dryseal COSHH Assessment Sheet based on Material Safety Data Sheet

Stock Code:	SC5 and SC25	Stock Description: Solvent Cleaning Solution	
Material:	Acetone (5 or 25 litre)	Transport	UN 1090
Supplier:	Hambleside Danelaw	Material type	Liquid
Main areas of use:	Dryseal	Generic	Acetone
MSDS Issue date:	Jul-10	MSDS last checked: Jul-16	
Hazards Identification: (MSDS Section 2 or 3)	Highly Flammable, Irritant		
WEL (Work Exposure Limit) TWA (Time Weighted Average): (MSDS Section 8)	Acetone 500ppm, 1210mg/m3		
Daily exposure:	Medium	<small>Normal risk level for standard usage:</small>	<small>Risk level in ABNORMAL conditions:</small>
Might monitoring be required?	Yes	Medium	High
Risk or Hazard Phrases: (MSDS Section 2) This section lists the harmful effects that the substance might have on you (or the environment).	11 36 66 67 225 319 336	Highly flammable. Irritating to eyes. Repeated exposure may cause skin dryness or cracking. Vapours may cause drowsiness and dizziness. Highly flammable liquid and vapour. Causes serious eye irritation. May cause drowsiness or dizziness.	
Cancer / Pregnancy / Nursing	No known cancer hazard. No known pregnancy / nursing hazard.		
Safety or Precautionary Phrases: (MSDS Section 2) This section lists the precautions that you must take to reduce the risks of harm. Where the number ends in an "x", see the MSDS for further details.	210 243 280	Keep away from heat / sparks / open flames / hot surfaces. – No smoking. Take precautionary measures against static discharge. Wear protective gloves / protective clothing / eye protection / face protection.	
Assessor:	<i>Ian Middleton</i>		Date: 21-Jul-16
All COSHH assessments should be reviewed as part of the overall Risk Assessment Plan			

Dryseal COSHH Assessment Sheet based on Material Safety Data Sheet

Stock Code:	SC5 and SC25	Stock Description: Solvent Cleaning Solution			
Material:	Acetone (5 or 25 litre)				
Supplier:	Hambleside Danelaw		Material type	Liquid	
Main areas of use:	Dryseal		Generic	Acetone	
Hazards Identification: (MSDS Section 2 or 3) <i>Highly Flammable, Irritant</i>					
					
Harmful / Irritant	Flammable	N / A	N / A	N / A	N / A
<i>Critical Temperature</i>	-20 °C	Risk Level Normal	Medium	Risk Level Abnormal	High
PPE required: (MSDS Section 8)		Goggles, Butyl rubber gloves			
Recommendation - Material storage before use: <i>Keep dry. In flame resistant cupboard</i>					
Recommendation - Material use: <i>Apply with clean lint free cloth</i>					
Recommended precautions to be in place for normal operations (All workers must be trained before handling hazardous materials): <i>Minimal quantities on site, authorised containers only. Workers must have had chemical training prior to working with chemicals.</i>					
Recommended - Further precautions that may be necessary: DO NOT STORE OR MIX WITH CATALYST / HARDENER					
Expected Symptoms & Effects (MSDS Section 4)					
After Inhalation	No data available.				
Skin Contact	No data available.				
Eye Contact	No data available.				
After Ingestion	No data available.				
 First Aid Measures (MSDS Section 4)					
After Inhalation	Remove to fresh air and keep casualty calm.				
Skin Contact	Remove contaminated clothing, wash skin with soap and water. Seek medical help.				
Eye Contact	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.				
After Ingestion	Do not induce vomiting. Rinse mouth with water. If nausea persists seek medical help.				
Other	Get medical advice / attention.				
<i>If symptoms persist or if victim is unwell, take to a doctor / medical service</i>					
Assessor:	<i>Ian Middleton</i>			Date: 21-Jul-16	
All COSHH assessments should be reviewed as part of the overall Risk Assessment Plan					