

Exposure Scenario

Printed 21/05/2014

<b>ID#:</b>	2018256	<b>User making request:</b>	Health & Safety Co-ordinator
<b>Fax:</b>		<b>Phone:</b>	01782 408824
<b>Email:</b>	anne-marie.jones@gshgroup.com	<b>Date Created:</b>	01/11/2013
<b>Date Reviewed:</b>	01/11/2013	<b>Next Review Date:</b>	01/11/2018
<b>Material Code:</b>	141825	<b>Tradename:</b>	STREAMLINE 250
<b>Supplier Code:</b>	15878	<b>Supplier:</b>	STREAMLINE ENVIRONMENTAL SERV.
<b>Supplier Phone:</b>	01782 344818	<b>IMC:</b>	
<b>Keyword:</b>	Corrosion Inhibitor	<b>Frequency of use:</b>	Daily
<b>Approximately how much of the material is used by one person in one working day:</b>	1000ml Maximum	<b>How many people are directly exposed?:</b>	1
<b>Are any others exposed?:</b>	No	<b>How are they exposed?:</b>	
<b>Are there any susceptible workers?:</b>	No	<b>Susceptible Categories:</b>	
<b>Other info:</b>		<b>Is this material being used outside of the normal temperature range?:</b>	No
<b>Additional work practices:</b>	This is automatically dosed into cooling tower systems and will only apply when changing chemical drums and priming dosing pumps.		
<b>Existing Control measures:</b>	Rubber gloves, Eye protection - type 3 face shield. Overalls, Rubber apron (Nitrile), Chemical resistant footwear. Transportation route. No Smoking, eating or drinking. Wash after use. On completion of works wash down all PPE and container. Ensure no spillages and ensure eye wash stations available.		
<b>Exp Limit</b>	Potassium Hydroxide 2mg/m3 15mSTEL WEL		

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Activities	Method	Area	Exposure
1	Dosing	Outside	Up to 1/2 hour per shift
2	Dosing	Inside Well Ventilated	Up to 1/2 hour per shift

Work Area	Sub Area Code
Work Area Code CARQ	

Safer Substitute Chosen No Reason for leaving/swapping material

**Material/Process** STREAMLINE 250  
**Supplier** STREAMLINE ENVIRONMENTAL SERV.  
**Address**  
 Marcus House  
 Park Hall Business Village  
 Longton, Stoke-on-Trent  
 ST3 5XA  
 01782 344818

**Keyword** Corrosion Inhibitor  
**Date** 08/05/2014  
**Contents**  
 Sodium silicate powder 10-30%,  
 Potassium Hydroxide 1-10%, 2-  
 phosphonobutane-1,2,4-tricarboxylic-  
 acid- 1-10%, sodium salt polycarboxylic  
 acid 1-10%,

**HIGH HAZARD**  
**LIQUID**  
**Signal Word** DANGER  
**Exp Limit**  
 Potassium Hydroxide 2mg/m3  
 15mSTEL WEL

**Hazards**

**Health Risks**  
 Causes severe skin burns and eye damage  
 May cause respiratory irritation  
 INGESTION MAY BE FATAL IF NOT TREATED PROMPTLY  
 When using do not eat, drink or smoke

**Risk Assessment** #1 - LOW RISK  
**Method** Dosing  
**Area** Outside  
**Exposure Time** Up to 1/2 hour per shift  
**Activity Comments**

**Control Measures**

 COVER SKIN KEEP SKIN COVERED	 APRON NITRILE	 PROTECT HANDS NITRILE	 FOOTWEAR PROTECTIVE FOOTWEAR	 FACE VISOR BS EN166 GRADE 3	 NATURAL VENTILATION
 WASH BASIN WASH AFTER CONTACT	 CHANGING IF SOILED	 DO NOT MIX OR STORE WITH ACIDS	 CLOSE CONTAINER AFTER USE	 CORROSIVE DISPOSAL	

**Spillage**  
 VENTILATE AREA  
 MARK THE AREA AND WARN ALL PERSONNEL  
 DO NOT ALLOW UNCONTROLLED SPILLAGES TO ENTER MAINS DRAIN/SEWERS/WATER COURSES  
 WEAR NITRILE GLOVES  
 WEAR FACE VISOR (GRADE 3)  
 WEAR PROTECTIVE OVERALLS & CHEMICAL PROOF FOOTWEAR  
 ABSORB IN SAND OR INERT ABSORBENT MATERIAL  
 COLLECT INTO A CONTAINER, CLOSE LID  
 DISPOSE OR RECYCLE OF SPILLAGES IN A CONTROLLED MANNER

**First Aid**  
 ENSURE ACCESS TO EMERGENCY SHOWER IN CASE OF ACCIDENT  
 ENSURE ACCESS TO EYEWASH STATION FOR EMERGENCY USE  
 INHALATION - REMOVE TO FRESH AIR AND REST  
 AFTER A SIGNIFICANT EXPOSURE CALL FOR MEDICAL ASSISTANCE IMMEDIATELY  
 INGESTION - DO NOT INDUCE VOMITING  
 INGESTION - GIVE PLENTY OF WATER IN SIPS  
 INGESTION - GET IMMEDIATE MEDICAL ATTENTION  
 EYE CONTACT - IRRIGATE USING EYEWASH & GET IMMEDIATE MEDICAL ATTENTION  
 SKIN - REMOVE CONTAMINATED CLOTHING  
 SKIN CONTACT - RINSE WITH WATER & GET IMMEDIATE MEDICAL ATTENTION

**Considerations**

**Details**  
 If using engineering controls/non disposable PPE ensure maintenance (reg 9)

**Safety Data Sheet Reference**  
 CHIP SDS 12/07/2011

**Fire**  
 ISOLATED SMALL SCALE FIRE:  
 POWDER - FOAM - CARBON DIOXIDE (CO2)  
 LARGE FIRE: EVACUATE AREA, CALL FIRE BRIGADE OR FOLLOW SITE PROCEDURE  
 WEAR SELF-CONTAINED BREATHING APPARATUS AND PROTECTIVE CLOTHING  
 TOXIC FUMES ARE PRODUCED WHEN MATERIAL IS INVOLVED IN A FIRE

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**HIGH HAZARD**  
**LIQUID**  
**Signal Word** DANGER  
**Exp Limit**  
 Potassium Hydroxide 2mg/m3  
 15mSTEL WEL

**Hazards**

**Health Risks**  
 Causes severe skin burns and eye damage  
 May cause respiratory irritation  
**INGESTION MAY BE FATAL IF NOT TREATED PROMPTLY**  
 When using do not eat, drink or smoke

**Risk Assessment** #2 - LOW RISK  
**Method** Dosing  
**Area** Inside Well Ventilated  
**Exposure Time** Up to 1/2 hour per shift  
**Activity Comments**

**Control Measures**

 COVER SKIN KEEP SKIN COVERED	 APRON NITRILE	 PROTECT HANDS NITRILE	 FOOTWEAR PROTECTIVE FOOTWEAR	 FACE VISOR BS EN166 GRADE 3	 GENERAL VENTILATION
 WASH BASIN WASH AFTER CONTACT	 CHANGING IF SOILED	 DO NOT MIX OR STORE WITH ACIDS	 CLOSE CONTAINER AFTER USE	 CORROSIVE DISPOSAL	

**Spillage**  
 VENTILATE AREA  
 MARK THE AREA AND WARN ALL PERSONNEL  
 DO NOT ALLOW UNCONTROLLED SPILLAGES TO ENTER MAINS DRAIN/SEWERS/WATER COURSES  
 WEAR NITRILE GLOVES  
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 TOXIC FUMES ARE PRODUCED WHEN MATERIAL IS INVOLVED IN A FIRE

**Considerations**

  
 MAINTENANCE

**Details**  
 If using engineering controls/non disposable PPE ensure maintenance (reg 9)

**Safety Data Sheet Reference**  
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<b>REQUEST DETAILS</b>	#ID: 2018256	User making request: Health & Safety Co-ordinator
<b>MATERIAL DETAILS</b>	Material Code: 141825	<b>LOW RISK</b>
Tradename: STREAMLINE 250	Supplier: STREAMLINE ENVIRONMENTAL SERV.	
IMC:		
<b>ACTIVITY DETAILS</b>		
Act No.	Method	Area
1	Dosing	Outside
2	Dosing	Inside Well Ventilated
<b>Exposure</b>		
	Up to 1/2 hour per shift	
	Up to 1/2 hour per shift	
<b>SCENARIO DETAILS</b>	Additional work practices: This is automatically dosed into cooling tower systems and will only apply when changing chemical drums and priming dosing pumps.	
Approximately how much of the material is used by one person in one working day:	1000ml Maximum	Frequency of use: Daily
		How many people are directly exposed?: 1
Are any others exposed?:	No	How are they exposed?:
Are there any susceptible workers?:	No	Susceptible Categories:
<b>WORK AREA</b>		
Work Area Code	Sub Area Code	
CARQ		
<b>CONSIDERATIONS</b>		<b>Answer</b>
Are procedures to ensure the maintenance of controls in place. <i>Considered requisite under this exposure scenario</i>		YES
Has the elimination or substitution of this material been considered? <i>Considered requisite under this exposure scenario</i>		YES
Are First Aiders trained in the specific First Aid requirements for this material? <i>Considered requisite under this exposure scenario</i>		YES
If available, have you considered purchasing pre-diluted or pre-mixed products? <i>Considered requisite under this exposure scenario</i>		YES
Needs to be concentrated or large volumes required		
<b>All actions to be taken in the event of an emergency have been considered</b>		YES