

ID#:	3773103	User making request:	N/A
Fax:		Phone:	
Email:		Date Created:	11/04/2019
Date Assessment Reviewed	04/01/2021	Next Review Date:	04/01/2022
Material Code:	101160	Tradename:	BOSS LEADED SOLDER WIRE- 86032000
Supplier:	THE BSS GROUP LTD.	IMC:	
Keyword:	Soldering	Frequency of use:	Daily
Approximately how much of the material is used by one person in one working day:	2 rolls	How many people are directly exposed?:	2-5
Are any other people put at risk from indirect exposure?:	No	How are they exposed?:	
Are there any susceptible workers?:	No	Susceptible Categories:	
Other info:		Is this material being used outside of the normal temperature range?:	No
Additional work practices:			
Existing Control measures:			
Exp Limit	antimony 0.5mg/m3 8hTWA WEL, lead 0.15mg/m3 8hTWA OEL, Bismuth telluride powder 10mg/m3 8hTWA 20mg/m3 15mSTEL		
Notes	Classification based upon information stated within the supplier's safety data sheet, rather than supplier's own classification.This material contains substance(s) at 0.1% concentration or greater on the candidate list in accordance with Annex XIV of the REACH Regulations. Consider use of an alternative material.		

Files Uploaded

File Name

Activities

Act No.	Method	Area	Exposure
5	Soldering	Outside	2 to 4 hours per shift
9	Soldering	Inside Well Ventilated	2 to 4 hours per shift

Work Area

Work Area Code	Sub Area Code
TELECOMS	

Safer Substitute Chosen	Reason for leaving/swapping material
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MATERIAL/PROCESS

CONSIDERATIONS

BOSS LEADED SOLDER WIRE- 86032000

HIGH HAZARD

FUME

SUPPLIER THE BSS GROUP LTD.
KEYWORD Soldering

CONTENTS
lead, Tin 25.5 - 27.5%, antimony 1.2 - 1.8%, Bismuth telluride powder 1.7 - 2.3%,

SIGNAL WORD DANGER
EXP LIMIT antimony 0.5mg/m3 8hTWA WEL, lead 0.15mg/m3 8hTWA OEL, Bismuth telluride



HEALTH HAZARDS
Minimal risk of exposure when intact
Fumes produced during soldering have the following effects:
May damage fertility or the unborn child
Causes damage to organs through prolonged or repeated exposure
May cause harm to breast-fed children
Potential for ototoxic effects that may cause hearing loss
Very toxic to aquatic life with long lasting effects
Very toxic to aquatic life
May cause ill health if ingested in quantity
Skin - irritation and dermatitis may result from prolonged contact
Excessive inhalation may cause ill health
May cause irritation to the respiratory system
May cause eye irritation

METHOD Soldering
AREA Outside
EXPOSURE TIME 2 to 4 hours per shift

HIGH ACUTE RISK - FULL EXPOSURE

HIGH CHRONIC RISK - FULL EXPOSURE

CONTROL MEASURES
HIGH ACUTE RISK - INDIVIDUAL ACTIVITY
HIGH CHRONIC RISK - INDIVIDUAL ACTIVITY



KEEP SKIN COVERED
SURGICAL NITRILE
IF CONTACT LIKELY
AND
LEV OR
FILTER TYPE P3



WASH AFTER USE
IF SOILED

SPILLAGE
Not applicable

FIRST AID
In case of burns immerse affected area in water
Obtain immediate medical attention
Eye injury - obtain immediate medical attention

FIRE
Non-combustible material
Caution - hot work processes will provide an ignition source for any flammable/combustible materials present



MATERIAL/PROCESS

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May cause eye irritation

METHOD Soldering
AREA Inside Well Ventilated
EXPOSURE TIME 2 to 4 hours per shift

HIGH ACUTE RISK - FULL EXPOSURE

HIGH CHRONIC RISK - FULL EXPOSURE

CONTROL MEASURES


HIGH ACUTE RISK - INDIVIDUAL ACTIVITY

HIGH CHRONIC RISK - INDIVIDUAL ACTIVITY


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ACTIVITY COMMENTS

MATERIAL/PROCESS

BOSS LEADED SOLDER WIRE- 86032000




SUPPLIER THE BSS GROUP LTD.

KEYWORD Soldering

SIGNAL WORD DANGER

HIGH HAZARD

FUME



METHOD Soldering

AREA Outside

EXPOSURE TIME 2 to 4 hours per shift

ACTIVITY COMMENTS

HIGH ACUTE RISK - FULL EXPOSURE

HIGH CHRONIC RISK - FULL EXPOSURE

CONTROL MEASURES

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MATERIAL/PROCESS

BOSS LEADED SOLDER WIRE- 86032000

SUPPLIER

THE BSS GROUP LTD.

KEYWORD




Soldering

SIGNAL WORD

DANGER

HIGH HAZARD

FUME



METHODSoldering

AREAINside Well Ventilated

EXPOSURE TIME2 to 4 hours per shift

ACTIVITY COMMENTS

HIGH ACUTE RISK - FULL EXPOSURE

HIGH CHRONIC RISK - FULL EXPOSURE

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REQUEST DETAILS	#ID:	3773103	User making request:	N/A
MATERIAL DETAILS	Material Code:	101160	<div>HIGH UNCONTROLLED ACUTE RISK</div> <div>HIGH UNCONTROLLED CHRONIC RISK</div> <div>LOW CONTROLLED ACUTE/CHRONIC RISK</div>	
Tradename:	BOSS LEADED SOLDER WIRE- 86032000			
IMC:	Supplier:	THE BSS GROUP LTD.		




ACTIVITY DETAILS			
Act No.	Method	Area	Exposure
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SCENARIO DETAILS	Additional work practices:			
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Are any other people put at risk from indirect exposure?:	No	How are they exposed?:		
Are there any susceptible workers?:	No	Susceptible Categories:		

WORK AREA	
Work Area Code	Sub Area Code
TELECOMS	

OTHER INFORMATION

Classification based upon information stated within the supplier's safety data sheet, rather than supplier's own classification. This material contains substance(s) at 0.1% concentration or greater on the candidate list in accordance with Annex XIV of the REACH Regulations. Consider use of an alternative material.

CONSIDERATIONS	Answer
 Have you implemented the use of the engineering controls before resorting to the use of RPE?	YES
 Are all personnel provided with necessary RPE, suitably trained in its correct use, maintenance, and storage and been fit tested where required?	YES
 Are procedures to ensure the maintenance of controls in place?	YES