

MATERIAL/PROCESS

GENERIC - STEEL

**LOW HAZARD**

SOLID



HEALTH RISKS

Not classified as hazardous under the CLP regulations (EC/1272/2008)  
 Inhalation of metal fume may cause flu-like illness (metal fume fever)  
 May cause ill health if ingested in quantity  
 Skin - irritation and dermatitis may result from prolonged contact  
 When using do not eat, drink or smoke

CONSIDERATIONS

SUPPLIER VARIOUS  
 KEYWORD Metal

CONTENTS  
 iron <100%, carbon <2%, May also contain trace amounts of manganese, vanadium, molybdenum, chromium, nickel, tungsten and cobalt

SIGNAL WORD NONE  
 EXP LIMIT carbon 10mg/m3 Inhal8hTWA 4mg/m3 Resp8hTWA WEL

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

**LOW RISK - FULL EXPOSURE**

SPILLAGE

Wear heavy duty gloves  
 Wear protective clothing if whole container is spilt  
 Collect into a container, close lid  
 Dispose or recycle of spillages in a controlled manner

CONTROL MEASURES **LOW RISK - INDIVIDUAL ACTIVITY**

FIRST AID

Ingestion - do not induce vomiting  
 Ingestion - give plenty of water in sips  
 If feeling unwell consult your doctor immediately  
 Eye - irrigate with water for at least 15 minutes  
 Skin - wash with soap/cleanser and rinse with water  
 If irritation persists then consult a doctor

FIRE

Isolated small scale fire:  
 Water fog - carbon dioxide - powder - foam  
 Do not use water jet  
 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



ACTIVITY COMMENTS

Refer to assessment for welding steel for controls

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CONSIDERATIONS



METHOD Grinding AREA Inside Well Ventilated EXPOSURE TIME 4 to 8 hours per shift

LOW RISK - FULL EXPOSURE

LOW RISK - INDIVIDUAL ACTIVITY

CONTROL MEASURES



KEEP SKIN COVERED



HEAVY DUTY



AND



LEV OR



FILTER TYPE P2



WASH AFTER CONTACT



IF HEAVILY SOILED



THEN SWEEP OR VACUUM



SPILLAGE

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ACTIVITY COMMENTS

Use RPE as interim pending monitoring or for one-off tasks. If LEV used, monitor to verify it controls to below the OEL

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FACILITY BARRETTSTEEL

MAIN

BSL COMMON PRODUCTS2

SUB

17381

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EXP LIMIT carbon 10mg/m3 Inhal8hTWA 4mg/m3  
 Resp8hTWA WEL

METHOD Welding

AREA Outside

EXPOSURE TIME 2 to 4 hours per shift

SPILLAGE

Wear heavy duty gloves  
 Wear protective clothing if whole container is spilt  
 Collect into a container, close lid  
 Dispose or recycle of spillages in a controlled manner

LOW RISK - FULL EXPOSURE

CONTROL MEASURES

LOW RISK - INDIVIDUAL ACTIVITY

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 Resp8hTWA WEL

METHOD Welding AREA Outside EXPOSURE TIME 1/2 to 2 hours per shift

SPILLAGE

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 Wear protective clothing if whole container is spilt  
 Collect into a container, close lid  
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CONTROL MEASURES

LOW RISK - FULL EXPOSURE

LOW RISK - INDIVIDUAL ACTIVITY

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CONSIDERATIONS

METHOD Welding

AREA Outside

EXPOSURE TIME 4 to 8 hours per shift

SPILLAGE

Wear heavy duty gloves  
 Wear protective clothing if whole container is spilt  
 Collect into a container, close lid  
 Dispose or recycle of spillages in a controlled manner

LOW RISK - FULL EXPOSURE

CONTROL MEASURES

LOW RISK - INDIVIDUAL ACTIVITY

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CONSIDERATIONS

METHOD Welding

AREA Outside

EXPOSURE TIME Over 8 hours per shift

SPILLAGE

LOW RISK - FULL EXPOSURE

Wear heavy duty gloves  
 Wear protective clothing if whole container is spilt  
 Collect into a container, close lid  
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CONTROL MEASURES

LOW RISK - INDIVIDUAL ACTIVITY

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CONSIDERATIONS



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

**LOW RISK - FULL EXPOSURE**

**LOW RISK - INDIVIDUAL ACTIVITY**

KEEP SKIN COVERED HEAVY DUTY AND FILTER TYPE P2 WASH AFTER CONTACT

IF HEAVILY SOILED THEN SWEEP OR VACUUM

SPILLAGE

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 Wear protective clothing if whole container is spilt  
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 May cause ill health if ingested in quantity  
 Skin - irritation and dermatitis may result from prolonged contact  
 When using do not eat, drink or smoke

CONSIDERATIONS

METHOD Drilling

AREA Outside

EXPOSURE TIME 1/2 to 2 hours per shift

SPILLAGE

LOW RISK - FULL EXPOSURE

Wear heavy duty gloves  
 Wear protective clothing if whole container is spilt  
 Collect into a container, close lid  
 Dispose or recycle of spillages in a controlled manner

CONTROL MEASURES

LOW RISK - INDIVIDUAL ACTIVITY



KEEP SKIN COVERED



HEAVY DUTY



WASH AFTER CONTACT



IF HEAVILY SOILED



FIRST AID

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 Ingestion - give plenty of water in sips  
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ACTIVITY COMMENTS

Minimal dust/swarf generated.

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SIGNAL WORD NONE  
 EXP LIMIT carbon 10mg/m3 Inhal8hTWA 4mg/m3  
 Resp8hTWA WEL

METHOD Cutting (Hot work) AREA Outside EXPOSURE TIME 2 to 4 hours per shift

SPILLAGE

Wear heavy duty gloves  
 Wear protective clothing if whole container is spilt  
 Collect into a container, close lid  
 Dispose or recycle of spillages in a controlled manner

LOW RISK - FULL EXPOSURE

CONTROL MEASURES LOW RISK - INDIVIDUAL ACTIVITY

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ACTIVITY COMMENTS

Refer to assessment for Cutting (Hot Work) activity. Refer to assessment for <b> Flame cutting steel <b> for further precautions.

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**EXP LIMIT** carbon 10mg/m3 Inhal8hTWA 4mg/m3  
Resp8hTWA WEL

**METHOD** Cutting (Hot work) **AREA** Outside **EXPOSURE TIME** 2 to 4 hours per shift

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Wear heavy duty gloves  
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