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**COSHH Assessment Form**

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| This assessment ***only addresses the risk of harm to health*** from the substances listed. Additional risk assessments may be required to control the risk from other hazards associated with this work/the procedures used. | | | | | |
| **Assessor M. Oxley** | | **H&S Manager: P. Holroyd** | | | |
| **Assessment Date 11/4/18** | | **Dates reviewed** **04/19** | | | |
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| **HAZARDS IDENTIFIED**    Explosive limit. Lower 1.2 Vol %. Upper 7 Vol %  Information based on present knowledge. | | | | | |
| **Substance**  **Toluene*.*** | **Hazardous Properties**  TOLUENE | | | | **Quantity**  **45 Gallon drums**  **Decanted into toluene containers. 1.5ltr.** |
| Eliminating the need to use hazardous substances, consider is it possible to avoid the need to use hazardous substances. | No alternative available. | | | |  |
| **Additional information**  Liquid Substance, clear Aromatic odour.  The information in this document is based on present knowledge | | | | | |
| **Emergency Procedures**   * ***Eye contact***: Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Seek medical treatment by eye specialist. * ***Inhalation***: Move to fresh air in case in case of accidental inhalation of vapours. Seek medical treatment immediately * ***Skin contact*** Wash off with soap and plenty of water. Consult a doctor if skin irritation persists * ***Ingestion***: Do not induce vomiting. Summon a doctor immediately. Induce vomiting only upon the advice of a physician | | | | | |
| **What will the chemical be used for?** For cleaning and degreasing use.  **Who may be exposed?** Rubber liners | | | | | |

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| **METHODS OF PREVENTION OR CONTROL OF EXPOSURE**  **Long Chemical resistant gloves to be worn when using Toluene.**  **Eye protection must be worn**  **Only use in well ventilated area.**  **If in confined space forced ventilation must be used and half mask fitted with A2 filter.**  **FUMES ARE HEAVIER THAN AIR.**  **Keep to minimum in the work area, keep container closed when not in use.**    GHS02, GHS08, GHS07  H225 – Highly Flamable  H315 – Causes skin irritation  H316d – Suspected of damaging the unborn child.  H336 – May cause drowsiness and dissiness  H373 – May cause damage to organs through prolonged or reapeted exposure  H304 – May be fatal if swallowed and enters airways.  **For full list of statements see MSDS sheet (section 2).**  Keep away from heat and sources of ignition.  If inhaled remove person to fresh air and keep comfortable for breathing. Call for medical attention immediately. |

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| NAME | STD | TWA 8 HRS | STEL 15 MINS |
| Toluene. OES | WEL | 50 ppm | 150ppm |

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| **1. Engineering controls required**  Firefighting make sure you have a fire extinguisher ready prior to use. Use foam, CO2 or dry chemical. Make sure you spill kit available prior to opening, open only in a well vented area. | **2. Access control**  Stand by man required if area is confined space  Maximum 110v tools and lighting.  EX lighting preferred. Type VL51-IP66&67  EEx d IIB T6 ta 55’C  EEx d IIB T5 ta 65’C |
| **3. Special procedures**  Always use gas detection system.  **Personal Gas monitor: BW GasAlert Max XTII** | **4**. **Approved PPE**  Wear protective clothing, eye protection and gloves.  Half mask with filter SR218 A2 (as advised). |
| **Disposal Procedures**  For any accidental release. Ensure adequate ventilation and use appropriate PPE, remove all sources of ignition. Soak up all spillages with inert absorbent material. (E.g. silica gel). Keep area clear of other personnel. Do not allow products to enter sewer or waterways. Inform site contact immediately of any spillages.  Unused material to be taken from site and disposed of by YRL. | | |
| **TRAINING REQUIREMENTS**  Confined space and BA Training  CCNSG safety passport. | | |
| **HANDLING AND STORAGE REQUIREMENTS**  Keep tins tightly closed, only open in good ventilation, use air moves if confined (vapours are heavier than air so ensure that no electrical equipment or any other sources of ignition are on the ground. Keep away from any heat of ignition sources. Keep away from any food, drink, waterways or life stock. | | |

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| **ASSESSMENT OF RISK USING CONTROLS DETAILED ABOVE**  Always read risk assessment for job-in-hand, always read safety Date Sheets prior to use. Employees and managers to read and sign this form prior to use. |