

AMUSEMENT HIRE SERVICES
HAZARD IDENTIFICATION AND RISK ASSESSMENT



SIZZLER

| Item | Hazard Identified | Priority | ACTION to eliminate or minimise | Completed |
|------|---|----------|---|-------------|
| 1 | Ground conditions, soft, slope | bf=2 | Use appropriate blocking & strapping to spread load and stabilise ride. | Each set-up |
| 2 | Clearances from wires, trees, structures | ae=2 | Inspect site prior to commencing set-up. Measure clearances. | Each set-up |
| 3 | Handling blocking, splinters | df=4 | Issue gloves to all employees. | Each set-up |
| 4 | Lowering trailer to ground, crushing of limbs | bg=3 | Work procedure to stipulate no employees under trailer while lowering. | Each set-up |
| 5 | Electrical leads under trailer | ae=1 | Position electrical leads clear of trailer area. | Each set-up |
| 6 | Install top lights, slips, falls | cg=4 | Correct footwear and clean climbing surfaces of grease etc. | Each set-up |
| 7 | Public access to erection area | bg=3 | Erect perimeter fence around area as soon as fence is accessible. | Each set-up |
| 8 | Unfold arms and pin, crushing, jamming | cg=4 | Workers are to push arms, not pull, and keep clear of joint areas. | Each set-up |
| 9 | Lowering chairs to working position, crushing | cg=4 | Workers are to stand clear of area. Turfor worked from behind. | Each set-up |
| 10 | Positioning centre cover plates, crushing | cg=4 | Plates are to be handled by two men. | Each set-up |
| 11 | Manual handling of components | cf=3 | Manual handling procedures to be prepared and followed. | Each set-up |
| 12 | Public access to operating area of ride | be=1 | Ensure fences and gates are in place and secure. | Every ride |
| 13 | Riders hands jammed by safety bar | bg=3 | Operator to ensure hands are clear prior to closing bar. | Every ride |
| 14 | Patrons slip crossing metal deck of trailer | bg=3 | Operator to direct riders around ride, not across deck. | Every ride |
| 15 | Patrons fall, slip climbing in or out of cars | bg=3 | Operator to assist as required. | Every ride |

ASSESSMENT

- Q 1. HOW SEVERE IS THE INJURY LIKELY TO BE?
Q 2. HOW LIKELY IS THE INJURY TO OCCUR?

| | | e | f | g | h |
|----------|---|---------|----------|----------|----------|
| | | CERTAIN | PROBABLE | POSSIBLE | UNLIKELY |
| DEATH | a | 1 | 1 | 2 | 3 |
| HOSPITAL | b | 1 | 2 | 3 | 4 |
| DOCTOR | c | 2 | 3 | 4 | 5 |
| BAND-AID | d | 3 | 4 | 5 | 6 |

AMUSEMENT HIRE SERVICES PTY LTD

HAZARD IDENTIFICATION AND RISK ASSESSMENT

MINI PIRATE SHIP

| Item | Hazard Identified | Priority | ACTION to eliminate or minimise | Completed |
|------|---|----------|--|-------------|
| 1 | Ground conditions, soft, slope | bf=2 | Use appropriate blocking & strapping to spread load and stabilise ride | Each set-up |
| 2 | Clearance from wires, trees structures | ae=1 | Inspect site prior to commencing set-up. Measure clearances | Each set-up |
| 3 | Handling blocking, splinters | df=4 | Issue gloves to all employees | Each set-up |
| 4 | Manual handling of components | cf=3 | Manual handling procedures to be prepared and followed | Each set-up |
| 5 | Electrical connection | ae=1 | Power off while handling leads. RCD installed for operation | Each set-up |
| 6 | Unauthorised ride start by public | cg=4 | Fit security start system, double action switching | 2003 |
| 7 | Children leave cars during ride. Crushing | bg=3 | Provide/use seat belts. Operator training for alertness | Every ride |
| 8 | Access while ride operating. Crushing | cf=3 | Install fence. Emergency stop button. Operator training | Every ride |
| 9 | Distressed children on ride | dg=5 | Operator to stop ride and return child to parent | Each ride |
| 10 | Security of small children | dg=5 | Under 130cm seat belts at all times | Each ride |

ASSESSMENT

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| HOSPITAL | b | 1 | 2 | 3 | 4 |
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AMUSEMENT HIRE SERVICES

HAZARD IDENTIFICATION AND RISK ASSESSMENT

Hurricane

| HAZARD | RISK | CONTROL | COMMENT |
|---|--|---|---|
| Electricity | Electrocution RISK LEVEL - MEDIUM HIGH | RCDs fitted to ride with 25mA trip. Turn power off when not required. | |
| Unexpected movement of ride trailer | Injury to staff from falling from trailer RISK LEVEL - MEDIUM LOW | Restrict area to staff. Disconnect Prime Mover from ride trailer | P/Mover need only be moved forward 200mm if on level ground |
| Slip, Trip and Falls during set up / pull down | Injury from falls etc RISK LEVEL - MEDIUM - LOW | Provide adequate access to high areas of ride. Ensure area is clear of hazards | |
| Employees may fall from platform | Injury from falls etc RISK LEVEL - MEDIUM - LOW | Fences installed from ground level. Staff trained to follow procedure. | |
| Hydraulic Oil Leakage | Cause of slips etc RISK LEVEL - LOW - SLIGHT | Regular scheduled inspections PPEs available for handling oils etc. | |
| Hydraulic failure during: Lower/Raising Tower Lower/Raising Platforms | Crush injury to employee/s RISK LEVEL - HIGH -MEDIUM RISK LEVEL - HIGH -MEDIUM | When raising or lowering sides or tower ensure all persons are kept clear of danger zones. | |
| Crane failure | Crush or impact injury RISK LEVEL - MEDIUM - LOW | Regular inspection of crane structure ,pins, winch and cable. | |
| Employee fall from tower during lubrication | Impact injury RISK LEVEL - MEDIUM - LOW | Employees provided with appropriate PPE. Where possible lubricate while tower is in travel position. | Ladder to reach top of tower to travel with ride |
| Fire | Burns injuries RISK LEVEL - LOW | Fire Extinguisher fitted to ride. Staff trained in use. | |
| Persons may struck by falling | Impact Injury | Restrict area to employees required | |

| | | | |
|--|---|--|--|
| objects | RISK LEVEL - LOW | for tasks PPE supplied as needed | |
| Employees may be struck by unexpected movement of ride | Impact Injury/Crushing RISK LEVEL - MEDIUM - LOW | Restrict area to required employees only. Hydraulics off when not in use Supervision by management | Normally only 2 experienced staff |
| Erecting device close to power lines | Electrocution RISK LEVEL - HIGH | Maintain clearance as laid down by Aust Standard AS3533. | Ride radius = 30feet/9m at a height of 30ft. |
| Employees may injure themselves in handling cars, fences, bars, braces and control unit. | Back/Muscle Injury RISK LEVEL - MEDIUM | Use correct manual handling methods Crane provided for loading cars over gooseneck | |
| Disbursement of air from tanks at close | Hearing effected RISK LEVEL - HIGH | PPE supplied for employee involved. Others to remain at rear of trailer unit. | Air may blow loose gravel and sand. |

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HAZARD IDENTIFICATION AND RISK ASSESSMENT

GIANT SLIDE PINK

| Item | Hazard Identified | Priority | ACTION to eliminate or minimise | Completed |
|------|---|----------|---|--------------|
| 1 | Stability of structure | bf=2 | Annual inspection by Engineer. Daily inspection during show | Ann'l. Daily |
| 2 | Security of riders on stairs and platform | bg=3 | Solid fences to stairs. Platform enclosed. | Daily check |
| 3 | Unsuitable riders, age health | cf=3 | Signage in place. Monitored by attendants. | Each rider |
| 4 | Patrons sliding too soon | cg=4 | Minimum of 1, normally 2, attendants at top of slide to control | Every ride |
| 5 | Access to bottom of slide, knock over | df=4 | 1 attendant in landing area to clear riders | Every ride |
| 6 | Burns to arms or feet while sliding | dg=5 | No bare feet permitted on ride. Large bags for sliding. Instruction by staff. | Every ride |
| 7 | Wet surface, slide too fast | cg=4 | Close slide until surface is dry | As req'd |
| 8 | Extreme wind (>20m/s) | cg=4 | Close slide until wind eases | As req'd |

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AMUSEMENT HIRE SERVICES

HAZARD IDENTIFICATION AND RISK ASSESSMENT

DODGEM CARS

| Item | Hazard Identified | Priority | ACTION to eliminate or minimise | Completed |
|------|---|----------|--|-------------|
| 1 | Ground conditions, soft, slope | bf=2 | Use appropriate blocking & strapping to spread load and stabilise ride. | Each set-up |
| 2 | Clearance from wires, trees, structures | ae=1 | Inspect site prior to commencing set-up. Measure clearances. | Each set-up |
| 3 | Handling blocking, splinters | df=4 | Issue gloves to all employees. | Each set-up |
| 4 | Manual handling of components | cf=3 | Manual handling procedures to be prepared and followed. | Each set-up |
| 5 | Electrical leads under trailer | ae=1 | Position electrical leads clear of trailer area. | Each set-up |
| 6 | Lowering of floor sections, crushing | bf=2 | Keep area clear while floor is lowered. | Each set-up |
| 7 | Failure of roof structure, during erection | bg=3 | Annual inspection by engineer, regular inspection by operator. | Each set-up |
| 8 | Failure of roof structure, during operation | bf=2 | Annual inspection by engineer, regular inspection by operator. | Each set-up |
| 9 | Unloading/loading cars from racks | bf=2 | Cars to be lifted by 4 men. | Each set-up |
| 10 | Removal & stacking of racks | cg=4 | Manual handling procedures to be prepared and followed. | Each set-up |
| 11 | Public access to erection area | dg=5 | Fences erected on ride perimeter. | Each set-up |
| 12 | Trips & falls, on ride surrounds | dg=5 | Fences, anti-slip surfaces, warning signs. | Every ride |
| 13 | Trips & falls, during loading/unloading | dg=5 | Operator to warn patrons about running, supervision of ride. | Every ride |
| 14 | Failure to wear seat belts causes facial injury | cf=3 | All children must wear seat belts. Operator to check before ride starts. | Every ride |
| 15 | Sparking from grind/whips | dg=4 | Operator to switch off power. | Every ride |
| 16 | Electric shock from touching grid | cf=3 | Operator to warn patrons against climbing, supervision of ride. | Every ride |
| 17 | Crushed feet/legs between cars | ce=3 | No patron on track while ride operating. Operators trained. Footwear | Every ride |
| 18 | Fire in structure or in transformer | ce=2 | Extinguisher provided. Staff trained. Emergency evacuation procedure. | Every ride |
| 19 | Patron misbehaviour. Injury to self or others | cf=3 | Operator to issue clear instructions. Signage. Supervision | Every ride |

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AMUSEMENT HIRE SERVICES

HAZARD IDENTIFICATION AND RISK ASSESSMENT

DISCO SHOW

| Item | Hazard Identified | Priority | ACTION to eliminate or minimise | Completed |
|------|---|----------|---|-------------|
| 1 | Ground conditions, soft, slope | bf=2 | Use appropriate blocking & strapping to spread load and stabilise ride. | Each set-up |
| 2 | Clearances from wires, trees, structures | ae=2 | Inspect site prior to commencing set-up. Measure clearances. | Each set-up |
| 3 | Handling blocking, splinters | df=4 | Issue gloves to all employees. | Each set-up |
| 4 | Lowering trailer to ground, crushing of limbs | bg=3 | Work procedure to stipulate no employees under trailer while lowering. | Each set-up |
| 5 | Electrical leads under trailer | ae=1 | Position electrical leads clear of trailer area. | Each set-up |
| 6 | Lowering of floor sections, crushing of limbs | cg=4 | Correct footwear and clean climbing surfaces of grease etc. | Each set-up |
| 7 | Failure of roof | bg=3 | Erect perimeter fence around area as soon as fence is accessible. | Each set-up |
| 8 | Trips & Falls on ride surrounds | cg=4 | Workers are to push arms, not pull, and keep clear of joint areas. | Each set-up |
| 9 | Manual handling | cg=4 | Workers are to stand clear of area. Turfor worked from behind. | Each set-up |
| 10 | Riders Hands | cg=4 | Plates are to be handled by two men. | Each set-up |
| 11 | Patrons fall | cf=3 | Manual handling procedures to be prepared and followed. | Each set-up |
| 12 | Trips & Falls during loading/unloading | be=1 | Ensure fences and gates are in place and secure. | Every ride |
| 13 | Raising & lowering of counter weights | bg=3 | Operator to remain clear during process. | Every ride |
| 14 | Carriage rotation during set up | bg=3 | Operator not to remove travel bracket until ride fully assembled. | Every ride |
| 15 | Carriage rotation during dismantle | bg=3 | Operator install bracket before dismantle started. | Every ride |
| 16 | Patron misbehaviour, injury to self or others | cf=3 | Operator to issue clear instructions. Signage, Supervision. | Every ride |

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AMUSEMENT HIRE SERVICES

HAZARD IDENTIFICATION AND RISK ASSESSMENT

CUP AND SAUCER

| Item | Hazard Identified | Priority | ACTION to eliminate or minimise | Completed |
|------|--|----------|--|-------------|
| 1 | Ground conditions, soft slope | bg=2 | Use appropriate blocking & strapping to spread load and stabilise ride | Each set-up |
| 2 | Clearances from wires, trees, structures | ae=1 | Inspect site prior to commencing set-up. Measure clearances | Each set-up |
| 3 | Handling blocking, splinters | df=4 | Issue gloves to all employees | Each set-up |
| 4 | Manual handling of components | cf=3 | Manual handling procedures to be prepared and followed | Each set-up |
| 5 | Electrical connection | ae=1 | Power off while handling leads. RCD installed for operation | Each set-up |
| 6 | Unauthorised ride start by public | cg=4 | Fit security system, double action switching | 2003 |
| 7 | Children leave cars during ride. Crushing | bg=3 | Provide/use seat belts. Operator training for alertness | Every ride |
| 8 | Access while ride operating. Crushing | cf=3 | Install fence. Emergency stop button. Operator training | Every ride |
| 9 | Ride platform/steps slippery when wet | dh=5 | Keep platform clean and dry. Caution patrons in wet weather | Each ride |
| 10 | Distressed children on ride | dg=5 | Operator to stop ride and return child to parent | Each ride |
| 11 | Security of small children | dg=5 | Small children to ride with adult, remain seated at all times | Each ride |
| 12 | Public access to ride area during erection | dg=5 | Erect perimeter fence at earliest opportunity | Each set-up |
| 13 | Power supply connected | ae=1 | Disconnect power supply at source before rolling up cable | Each set-up |

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| DEATH | a | 1 | 1 | 2 | 3 |
| HOSPITAL | b | 1 | 2 | 3 | 4 |
| DOCTOR | c | 2 | 3 | 4 | 5 |
| BAND-AID | d | 3 | 4 | 5 | 6 |

AMUSEMENT HIRE SERVICES

HAZARD IDENTIFICATION AND RISK ASSESSMENT

CIRCUS TRAIN

| Item | Hazard Identified | Priority | ACTION to eliminate or minimise | Completed |
|------|--|----------|--|-------------|
| 1 | Ground conditions, soft, slope | bf=2 | Use appropriate blocking & strapping to spread load and stabilise ride | Each set-up |
| 2 | Clearances from wires, trees, structures | ae=1 | Inspect site prior to commencing set-up. Measure clearances | Each set-up |
| 3 | Handling blocking, splinters | df=4 | Issue gloves to all employees | Each set-up |
| 4 | Manual handling of components | cg=3 | Manual handling procedures to be prepared and followed | Each set-up |
| 5 | Electrical connection | ag=1 | Power off while handling leads. RCD installed for operation | Each set-up |
| 6 | Children leave cars during ride. Crushing | gb=3 | Provide/use seat belts. Operator training for alertness | Every ride |
| 7 | Access while ride operating. Crushing | cf=3 | Install fence. Emergency stop button. Operator training | Every ride |
| 8 | Attendant hit by ride during testing | ch=5 | Fit security start system, double action switching | 2003 |
| 9 | Distressed children on ride | dg=5 | Operator to stop ride and return child to parent | Each ride |
| 10 | Security of small children | dg=5 | Children under 130cms and above 100cms not allowed | Each ride |
| 11 | Public access to ride area during erection | dg=5 | Erect perimeter fence at earliest opportunity | Each set-up |
| 12 | Power supply connected | ae=1 | Disconnect power supply at source before rolling up cable | Each set-up |

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| DEATH | a | 1 | 1 | 2 | 3 |
| HOSPITAL | b | 1 | 2 | 3 | 4 |
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AMUSEMENT HIRE SERVICES

HAZARD IDENTIFICATION AND RISK ASSESSMENT

CHAIR-O-PLANE

| Item | Hazard Identified | Priority | ACTION to eliminate or minimise | Completed |
|------|--|----------|--|-------------|
| 1 | Ground conditions, soft, slope | bf=2 | Use appropriate blocking & strapping to spread load and stabilise ride | Each set-up |
| 2 | Clearances from wires, trees, structures | ae=1 | Inspect site prior to commencing set-up. Measure clearances | Each set-up |
| 3 | Handling blocking, splinters | df=4 | Issue gloves to all employees | Each set-up |
| 4 | Manual handling of components | cf=3 | Manual handling procedures to be prepared and followed | Each set-up |
| 5 | Electrical connection | ae=1 | Power off while handling leads. RCD installed for operation | Each set-up |
| 6 | Falling from top of ride while erecting | cg=4 | Use fall restraint when climbing | Each set-up |
| 7 | Children leave cars during ride. Crushing | bg=3 | Provide/use seat belts. Operator training for alertness | Every ride |
| 8 | Access while ride operating. Crushing | cf=3 | Install fence. Emergency stop button. Operator training | Every ride |
| 9 | Attendant hit by ride during testing | ch=5 | Fit security start system, double action switching | 2003 |
| 10 | Distressed children on ride | cg=5 | Operator to stop ride and return child to parent | Each ride |
| 11 | Security of small children | cg=5 | Children above 130cm not allowed | Each ride |
| 12 | Public access to ride area during erection | cg=5 | Erect perimeter fence at earliest opportunity | Each set-up |
| 13 | Power supply connected | ag=1 | Disconnect power supply at source before rolling up cable | Each set-up |

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| DEATH | a | 1 | 1 | 2 | 3 |
| HOSPITAL | b | 1 | 2 | 3 | 4 |
| DOCTOR | c | 2 | 3 | 4 | 5 |
| BAND-AID | d | 3 | 4 | 5 | 6 |