

## SAFETY DATA SHEET – SMASH! PLASTIC

### 1. IDENTIFICATION OF SUBSTANCE/PREPARATION & COMPANY

<b>Product Name / Code:</b>	SMASH! Plastic 900 g – PROSP9 SMASH! Plastic 7.2 kg – PROSP972 SMASH! Plastic 36.2 kg – PROSP9362
<b>REACH Key Notes:</b>	Regulation (EC) No 1907/2006 of The European Parliament and of The Council of December 2006 (including amendments and corrigenda as of 17 February 2016): This product complies with REACH or is not subject to regulation under REACH. The product does not contain an ingredient listed on either the Candidate List or Authorisation List for Substances of Very High Concern (SVHC).
<b>Application of Substance:</b>	A two-component urethane that is mixed 1A:1B by volume and cures to a water-clear solid plastic designed to break like glass on impact.  <b>General use:</b> Polyurethane Elastomer <b>Restrictions on Use:</b> None known
<b>Company:</b>	Flints Theatrical Chandlers Ltd Unit 9 Deptford Trading Estate Blackhorse Road SE8 5HY
<b>Telephone:</b>	+44 (0) 20 7703 9786
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Telephone operated from 08:30 – 17:30 Monday to Friday, 09:00 – 14:00 Saturday.  
In an emergency, seek advice from a medical professional.

### 2. HAZARDS IDENTIFICATION

**Classification of the substance or mixture:**

H315 Skin corrosion/irritation – Category 2

H317 Skin sensitisation – Category 1

H319 Eye irritation – Category 2A

H331 Acute toxicity, inhalation – Category 3

H334 Respiratory sensitisation – Category 1

H335 Specific target organ toxicity – single exposure – Category 3 (respiratory system)

**GHS Label elements, including precautionary statements:**

**Pictogram(s):**   
**Signal word:** Danger

**Health Hazards:**

H315 Causes skin irritation

H317 May cause an allergic skin reaction

H319 Causes serious eye irritation

H331 Toxic if inhaled

H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled

H335 May cause respiratory irritation

**General Precautions:**

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

P103 Read label before use.

**Prevention Precautions:**

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

P264 Wash skin thoroughly after handling.

P271 Use only outdoors or in a well-ventilated area.

P272 Contaminated work clothing should not be allowed out of the workplace.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P285 In case of inadequate ventilation wear respiratory protection.

**Response Precautions:**

P302 + P352 IF ON SKIN: Wash with plenty of soap and water.

P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P311 Call a POISON CENTRE or doctor/physician.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P333 + P313 If skin irritation or rash occurs: Get medical advice/attention.

P337 + P313 If eye irritation persists: Get medical advice/attention.

P342 + P311 If experiencing respiratory symptoms: Call a POISON CENTRE doctor/physician.

P362 Take off contaminated clothing.

**Storage Precautions:**

P403 + P233 Store in a well-ventilated place. Keep container tightly closed.

P405 Store locked up.

**Disposal Precautions:**

P501 Dispose of contents/container according to local, state and federal laws.

Hazards not otherwise classified (HNOC) or not covered by GHS: Lachrymator.

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

**Substances:**

The following ingredients are hazardous according to Regulation 2012 OSHA Hazard Communication Standard: 29 CFR 1910.1200:

Component	CAS #	Concentration (wt %)
4,4' Methylenedicyclohexyl diisocyanate	5124-30-1	35 - 85

### 4. FIRST AID MEASURES

- Eyes:** Flush eyes with plenty of water. If irritation persists, seek medical attention.
- Skin:** In case of skin contact, wash thoroughly with soap and water.
- Ingestion:** **DO NOT INDUCE VOMITING** unless instructed by a physician. Never give anything by mouth to an unconscious person.
- Inhalation:** Remove source(s) of contamination and move victim to fresh air. If breathing has stopped, give artificial respiration, then oxygen if needed. Contact physician immediately.

Most important symptoms and effects, both acute and delayed: None known.

After first aid, get appropriate in-plant, paramedic, or community medical support.

### 5. FIRE FIGHTING MEASURES

- Extinguishing media:** Water Fog, Dry Chemical, and Carbon Dioxide Foam
- Special hazards:** None known.
- Advice for firefighters:** Use water spray to cool fire-exposed surfaces and to protect personnel. Shut off "fuel" to fire. If a leak or spill has not ignited, use water spray to disperse the vapours. Either allow fire to burn under controlled conditions or extinguish with foam or dry chemical. Try to cover liquid spills with foam. Because fire may produce toxic thermal decomposition products, wear a self-contained breathing apparatus (SCBA) with a full face piece operated in pressure demand or positive-pressure mode.

### 6. ACCIDENTAL RELEASE MEASURES

- Personal Precautions:** Only properly protected personnel should remain in the spill area; dike and contain spill. Stop or reduce discharge if it can be done safely.
- Environmental precautions:** Stop spill/release if it can be done safely. Prevent spilled material from entering sewers, storm drains or unauthorised drainage systems and natural waterways by using sand, earth, or other appropriate barriers. No special environmental precautions required.
- Containment and cleaning up:** Put on appropriate protective gear including NIOSH/MSHA approved self-contained breathing apparatus, rubber boots and heavy rubber gloves. Dike and contain spill; absorb or scrape up excess into suitable container

for disposal; wash area with dilute ammonia solution. Stop or reduce discharge if it can be done safely.

Follow applicable OSHA regulations (29 CFR 1910.120) for disposal.

**Reference to other sections:** See Section 3 for list of Hazardous Ingredients; Sections 8 for Exposure Controls; and Section 13 for Disposal.

## 7. HANDLING AND STORAGE

**Precautions for safe handling:** Use good general housekeeping procedures. Wash hands after use. Do not get in eyes, on skin or on clothing. Do not breathe vapours or mists. Use good personal hygiene practices.

**Conditions for safe storage:** Keep container(s) tightly closed and properly labelled. Store in cool, dry, well ventilated place away from heat, direct sunlight, strong oxidisers and any incompatibles. Store in approved containers and protect against physical damage. Keep containers securely sealed when not in use. Indoor storage should meet OSHA standards and appropriate fire codes. Containers that have been opened must be carefully resealed to prevent leakage. Empty containers retain residue and may be dangerous. Avoid water contamination.

**Specific end use(s):** These precautions are for room temperature handling. Other uses including elevated temperatures or aerosol/spray applications may require added precautions.

## 8. EXPOSURE CONTROL / PERSONAL PROTECTION

### Control Parameters:

Component	CAS #	Value	Control Parameters	Basis
4,4' Methylene-dicyclohexyl diisocyanate	5124-30-1	TWA	0.0050 ppm	USA. ACGIH Threshold Limit Values (TLV)
		C	0.01 ppm 0.11 mg/m <sup>3</sup>	USA. OSHA - TABLE Z-1
		C	0.01 ppm 0.11 mg/m <sup>3</sup>	USA. NIOSH Recommended Exposure Limits.

### Exposure controls:

**Respiratory Protection:** Respiratory protection is not normally required when using this product with adequate local exhaust ventilation. Where risk assessment shows air-purifying respirators are appropriate, follow OSHA respirator regulations 29 CFR 1910.134 and European Standards EN 141, 143 and 371; wear an MSHA/NIOSH or European Standards EN 141, 143 and 371 approved respirators equipped with appropriate filter cartridges as a backup to engineering controls.

**Hand Protection:** Wear any liquid-tight gloves such as butyl rubber, neoprene or PVC.

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**Eye Protection:**

Safety glasses with side shields per OSHA eye- and face-protection regulations 29 CFR 1910.133 and European Standard EN166. Contact lenses are not eye protective devices. Appropriate eye protection must be worn instead of, or in conjunction with contact lenses.

Additional protective clothing or equipment is not normally required. Provide eye bath and safety shower.

Never eat, drink, or smoke in work areas. Practice good personal hygiene after using this material, especially before eating, drinking, smoking, using the toilet, or applying cosmetics. Wash thoroughly after handling.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

<b>Form:</b>	Liquid	<b>Appearance:</b>	Clear liquid
<b>Odour:</b>	Odourless	<b>Vapour Pressure:</b>	None (Polymeric Resin)
<b>Odour Threshold:</b>	No data	<b>Vapour Density (Air=1):</b>	No data
<b>Viscosity:</b>	240 centipoise @ 77°F	<b>Specific Gravity (H2O=1, at 4 °C):</b>	No data
<b>pH:</b>	No data	<b>Solubility:</b>	Insoluble in water
<b>Melting / Freezing Point:</b>	No data	<b>Partition coefficient (n-octanol/water):</b>	No data
<b>Low / High Boiling Point:</b>	No data	<b>Auto-ignition temperature:</b>	437°F
<b>Flash Point:</b>	>368°F	<b>Decomposition temperature:</b>	No data
<b>Flammability:</b>	f.p. at or above 200 °F	<b>Evaporation Rate:</b>	No data
<b>Lower Explosion Limit:</b>	No data	<b>% Volatile:</b>	0% (v/v), 0% (w/w)
<b>Upper Explosion Limit:</b>	v	<b>Relative Density:</b>	No data

**10. STABILITY AND REACTIVITY**

<b>Reactivity:</b>	No hazardous reactions if stored and handled as prescribed/indicated., No corrosive effect on metal. Not fire propagating.
<b>Chemical stability:</b>	These products are stable at room temperature in closed containers under normal storage and handling conditions.
<b>Possibility of hazardous reactions:</b>	Hazardous polymerisation cannot occur.
<b>Conditions to avoid:</b>	None known.
<b>Incompatible materials:</b>	Strong bases and acids.
<b>Hazardous decomposition products:</b>	Thermal oxidative decomposition can produce carbon oxides, gasses/vapours, and traces of incompletely burned carbon compounds.

**11. TOXICOLOGICAL INFORMATION**

<b>Skin Corrosion/Irritation:</b>	No data.
<b>Serious Eye Damage/Irritation:</b>	No data.
<b>Respiratory/Skin Sensitisation:</b>	No data.
<b>Germ Cell Mutagenicity:</b>	No data.
<b>Carcinogenicity:</b>	No component of these products present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by IARC, ACGIH or NTP.

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<b>Reproductive Toxicity:</b>	No data.
<b>Specific Target Organ Toxicity - Single Exposure:</b>	No data.
<b>Specific Target Organ Toxicity - Repeated Exposure:</b>	No data.
<b>Aspiration Hazard:</b>	No data.
<b>Acute Toxicity:</b>	Oral: > 5000 mg/kg (calculated). Inhalation: 0.43 mg/l, 4h (calculated).
<b>Chronic Exposure:</b>	No data.
<b>Potential Health Effects (Misc.):</b>	No data.

## 12. ECOLOGICAL INFORMATION

No data available for; toxicity, persistence and degradability, bio accumulative potential, mobility in soil, results of PBT and vPvB assessment or other adverse effects.

## 13. DISPOSAL INFORMATION

<b>Waste Treatment Methods:</b>	Under Resource Conservation and Recovery Act (RCRA) it is the responsibility of the user of the product to determine at the time of disposal whether the product meets RCRA criteria for hazardous waste as defined in 40 CFR Part 261. Waste management should be in full compliance with federal, state and local laws. Empty containers retain product residue which may exhibit hazards of material, therefore to not pressurise, cut, glaze, weld or use for any other purposes. Return drums to reclamation centres for proper cleaning and reuse.
<b>Container disposal:</b>	Steel drums must be emptied and can be sent to a licensed drum reconditioner for reuse, a scrap metal dealer or an approved landfill. Do not attempt to refill or clean containers since residue is difficult to remove. Under no circumstances should empty drums be burned or cut open with gas or electric torch as toxic decomposition products may be liberated. Do not reuse empty containers.

## 14. TRANSPORT INFORMATION

No special precautions. Not regulated by international regulation on the transport of dangerous goods (IMDG, IATA, ADR).

## 15. REGULATORY INFORMATION

**Safety health and environmental regulations/legislation specific for the substance or mixture:**

**REACH: Regulation (EC) No 1907/2006 of The European Parliament and of The Council of December 2006 (including amendments and corrigenda as of 17 February 2016):**

This product complies with REACH or is not subject to regulation under REACH. The product does not contain an ingredient listed on either the Candidate List or Authorisation List for Substances of Very High Concern (SVHC).

**In the United States (EPA Regulations): TSCA Inventory Status (40 CFR710):**

All components of this formulation are listed in the TSCA Inventory. No component of this formulation has been determined to be subject to manufacturing or use restrictions under the Significant New Use Rules (SNURs).

**SARA 302 Components:** No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

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**SARA 313 Components:** Component: 4,4' Methylene-dicyclohexyl diisocyanate  
CAS #: 5124-30-1  
Concentration (wt %): 35 - 85

**SARA 311/312 Hazards:** Immediate (Acute), Delayed (Chronic)

**State Right-to-Know:** Component: 4,4' Methylene-dicyclohexyl diisocyanate  
CAS #: 5124-30-1  
State: MA, NJ, PA

**New Jersey Environmental Hazardous Substance List and/or New Jersey RTK Special Hazardous Substances Lists:**

4,4' Methylene-dicyclohexyl diisocyanate

**California Proposition 65:** This product does not intentionally contain any chemicals known to the state of California to cause cancer, birth defects or other reproductive harm.

**Chemical safety assessment:** No chemical safety assessment has been carried out for this substance/mixture by the supplier.

## 16. OTHER INFORMATION

This data sheet is provided under CLP and REACH Regulation and is not intended to constitute an assessment of work place risk associated with product(s) used as required under any other Health and Safety Regulation.

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