

SAFETY DATA SHEET - FLINTS SLUSH LATEX

1. IDENTIFICATION OF SUBSTANCE/PREPARATION & COMPANY

1.1. Product identifier:

Product Name / Code: Flints Slush Latex, PAT848

REACH Key Notes: -

1.2. Relevant identified uses of the substance or mixture and uses advised against:

Slush Moulding Compound

1.3. Details of the supplier of the safety data sheet:

Company: Flints Theatrical Chandlers Ltd
Unit 9 Deptford Trading Estate
Blackhorse Road
SE8 5HY

Telephone: +44 (0) 20 7703 9786

Email: sales@flints.co.uk

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

2.1. Classification of the substance or mixture

Physical hazards Not Classified

Health hazards Not Classified

Environmental hazards Not Classified

Human health Splashes in the eyes may cause redness and irritation.

Environmental The product is not expected to be hazardous to the environment.

Physicochemical When handled correctly, undamaged units represent no danger.

2.2. Label elements

NC Not Classified

2.3. Other Hazards

This product does not contain any substances classified as PBT or vPvB

3. COMPOSITION / INFORMATION ON INGREDIENTS

3.2. Mixtures

Composition comments Contains natural rubber latex. May cause an allergic reaction Chemical Nature chemical nature

4. FIRST AID MEASURES

4.1. Description of first aid measures

General information	Move affected person to fresh air at once. Get medical attention if any discomfort continues.
Inhalation	Move affected person to fresh air at once. Get medical attention if any discomfort continues.
Ingestion	Do not induce vomiting. Never give anything by mouth to an unconscious person. Do not induce vomiting. Rinse mouth thoroughly with water. Get medical attention.
Skin contact	Remove affected person from source of contamination. Get medical attention if irritation persists after washing.
Eye contact	Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.
Protection of first aiders	First aid personnel should wear appropriate protective equipment during any rescue. It may be dangerous for first aid personnel to carry out mouth-to-mouth resuscitation.

4.2. Most important symptoms and effects, both acute and delayed

General information	The severity of the symptoms described will vary dependent on the concentration and the length of exposure.
Inhalation	No specific symptoms known.
Ingestion	May cause stomach pain or vomiting.
Skin contact	No specific symptoms known.
Eye contact	May cause temporary eye irritation.

4.3. Indication of any immediate medical attention and special treatment needed

Notes for the doctor	No specific recommendations. If in doubt, get medical attention promptly.
Specific treatments	Treat symptomatically.

5. FIRE FIGHTING MEASURES

5.1. Extinguishing media

Suitable extinguishing media	Extinguish with the following media: Water spray, fog or mist. Foam. Carbon dioxide (CO ₂). Dry chemicals, sand, dolomite etc.
Unsuitable extinguishing media.	None known.

5.2. Special hazards arising from the substance or mixture

Specific hazards Thermal decomposition or combustion products may include the following substances: Irritating gases or vapours. Carbon dioxide (CO₂). Carbon monoxide (CO).

Hazardous combustion products

5.3. Advice for firefighters Does not decompose when used and stored as recommended.

Protective actions during firefighting Use water to keep fire exposed containers cool and disperse vapours.

Special protective equipment: Use air-supplied respirator, gloves and protective goggles.

6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions Wear protective clothing as described in Section 8 of this safety data sheet.

For non-emergency personnel Wear protective clothing as described in Section 8 of this safety data sheet.

For emergency responder: Wear protective clothing as described in Section 8 of this safety data sheet.

6.2. Environmental precautions

Environmental precautions Avoid discharge into drains or watercourses or onto the ground.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up Absorb in vermiculite, dry sand or earth and place into containers. Avoid the spillage or runoff entering drains, sewers or watercourses.

6.4. Reference to other sections

Reference to other sections For personal protection, see Section 8.

7. HANDLING AND STORAGE

7.1. Precautions for safe handling

Usage precautions Avoid spilling. Wear protective gloves, eye and face protection.

Advice on general occupational hygiene Provide eyewash station.

Good personal hygiene procedures should be implemented.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions Store in tightly-closed, original container in a dry, cool and well-ventilated place. Store at temperatures above 5°C.

Storage class Unspecified storage.

7.3. Specific end use(s)

Specific end use(s)

The identified uses for this product are detailed in Section 1.2..

8. EXPOSURE CONTROL / PERSONAL PROTECTION

8.1. Control parameters Occupational exposure limits

AMMONIA ...%

Long-term exposure limit (8-hour TWA): WEL 25 ppm 18 mg/m³

Short-term exposure limit (15-minute): WEL 35 ppm 25 mg/m³

SODIUM HYDROXIDE

Long-term exposure limit (8-hour TWA): WEL

Short-term exposure limit (15-minute): WEL 2 mg/m³

WEL = Workplace Exposure Limit

AMMONIA ...% (CAS: 1336-21-6)

DNEL

Industry - Dermal; Short term systemic effects: 6.8 mg/kg/day

Industry - Inhalation; Short term systemic effects: 47.6 mg/m³

Industry - Inhalation; Short term local effects: 36 mg/m³

Industry - Dermal; Long term systemic effects: 6.8 mg/kg/day

Industry - Inhalation; Long term local effects: 14 mg/m³

PNEC

Fresh water; 0.0011 mg/l

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Marine water; 0.0011 mg/l

Butylated reaction product of p-cresol & dicyclopentadiene (CAS: 68610-51-5)

DNEL

Industry - Oral; Long term systemic effects: 0.8 mg/kg/day

Industry - Dermal; Long term systemic effects: 4 mg/kg/day

Industry - Inhalation; Long term systemic effects: 0.35 mg/m³

PNEC-

STP; 150.9 mg/l

8.2. Exposure controls

Protective equipment



Appropriate engineering controls

Provide adequate general and local exhaust ventilation.

Eye/face protection

Wear chemical splash goggles. Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. Personal protective equipment for eye and face protection should comply with European Standard EN166.

Hand protection	Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible. It is recommended that gloves are made of the following material: Nitrile rubber. To protect hands from chemicals, gloves should comply with European Standard EN374. The selected gloves should have a breakthrough time of at least 6 hours.
Other skin and body protection	Avoid contact with skin. Wear appropriate clothing to prevent skin contamination.
Hygiene measures	Wash at the end of each work shift and before eating, smoking and using the toilet. Do not smoke in work area.
Respiratory protection	If ventilation is inadequate, suitable respiratory protection must be worn. Wear a respirator fitted with the following cartridge: Combination filter, type A2/P3. Ensure all respiratory protective equipment is suitable for its intended use and is 'CE'-marked.
Thermal hazards	Contact with hot product can cause serious thermal burns.
Environmental exposure controls	Keep container tightly sealed when not in use..

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance	Liquid
Colour	White
Odour	characteristic
Odour threshold	No data available
pH value	pH (concentrated solution): 9.0
Boiling point / boiling range	100°C @ 760 mm Hg
Melting point / melting range	Not applicable
	Remarks: Material does not drip and flow due to the crosslinked structure.
Decomposition point / range	No data available
Flash point	No information required.
Auto-ignition temperature	No data available
Oxidising properties	No data available
Explosive properties	No data available
Flammability (solid, gas)	No data available
Lower flammability or explosive limits	No data available
Upper flammability or explosive limits	No data available

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Vapour pressure	No data available
Vapour density	No data available
Evaporation rate	No data available
Relative density	1.21- 1.23 @ 20°C
Density	Value: 120 - 240 kg/m ³
Solubility in water	No data available
Solubility(ies)	Not determined. Miscible with water

Partition coefficient: n-octanol/water No data available

Viscosity 1500 - 2500 cP @ 20°C

9.2 Other information

Other information No data available.

10. STABILITY AND REACTIVITY

10.1. Reactivity

Reactivity There are no known reactivity hazards associated with this product.

10.2. Chemical stability

Stability Stable at normal ambient temperatures and when used as recommended.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions Not applicable. Not relevant.

10.4. Conditions to avoid

Conditions to avoid Avoid exposure to high temperatures or direct sunlight.

10.5. Incompatible materials

Materials to avoid Avoid contact with the following materials: Some metals.

10.6. Hazardous decomposition products

Hazardous decomposition products Thermal decomposition or combustion products may include the following substances:

Irritating gases or vapours. Oxides of carbon..

11. TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Toxicological effects No data recorded.

Acute toxicity - oral

Notes (oral LD ₅₀)	No data recorded.
Acute toxicity - dermal	
Notes (dermal LD ₅₀)	Not determined.
Acute toxicity - inhalation	
Notes (inhalation LC ₅₀)	Not determined.
Skin corrosion/irritation	
Animal data	Not determined.
Human skin model test	Not determined.
Extreme pH	Not determined.
Serious eye damage/irritation	
Serious eye damage/irritation	Not applicable.
Respiratory sensitisation	
Respiratory sensitisation	Based on available data the classification criteria are not met.
Skin sensitisation	
Skin sensitisation	Based on available data the classification criteria are not met.
Germ cell mutagenicity	
Genotoxicity - in vitro.	Based on available data the classification criteria are not met.
Genotoxicity - in vivo	Based on available data the classification criteria are not met.
Carcinogenicity	
Carcinogenicity	Not applicable.
Reproductive toxicity	
Reproductive toxicity - fertility	Based on available data the classification criteria are not met.
Reproductive toxicity development	Does not contain any substances known to be toxic to reproduction.
Specific target organ toxicity - single exposure	
STOT - single exposure	Based on available data the classification criteria are not met.
Target organs	Not relevant.
Specific target organ toxicity - repeated exposure	
STOT - repeated exposure	Based on available data the classification criteria are not met.
Target organs	Not relevant.
Aspiration hazard	

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Aspiration hazard	Not relevant.
General information	No specific health hazards known.
Inhalation	No specific health hazards known.
Ingestion	No specific health hazards known.
Skin contact	Skin irritation should not occur when used as recommended.
Eye contact	Particles in the eyes may cause irritation and smarting.
Acute and chronic health hazards	No specific health hazards known.
Route of entry	Skin and/or eye contact
Target organs	Not relevant.
Medical symptoms	No specific symptoms known.

12. ECOLOGICAL INFORMATION

Ecotoxicity	The product components are not classified as environmentally hazardous. However, large or frequent spills may have hazardous effects on the environment.
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12.1. Toxicity

Acute toxicity - fish	Not determined.
Acute toxicity - aquatic invertebrates	Not determined.
Acute toxicity - aquatic plants	Not determined.
Acute toxicity microorganisms	Not determined.
Acute toxicity - terrestrial	Not determined.
Chronic toxicity - fish early life stage	Not determined.
Short term toxicity - embryo and sac fry stages	Not determined.
Chronic toxicity - aquatic invertebrates	Not determined.

12.2. Persistence and degradability

Persistence and degradability	The product contains mainly inorganic substances which are not biodegradable. The other substances in the product are expected to be readily biodegradable.
Phototransformation	Not determined.
Stability (hydrolysis)	Not determined.
Biodegradation	Inherently biodegradable.
Biological oxygen demand	Not determined.
Chemical oxygen demand	Not determined.

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12.3. Bioaccumulative potential

Bioaccumulative potential No data available on bioaccumulation.

Partition coefficient Not available.

12.4. Mobility in soil

Mobility The product is miscible with water and may spread in water systems.

Adsorption/desorption coefficient Not determined.

Henry's law constant Not determined.

Surface tension Not determined.

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment This product does not contain any substances classified as PBT or vPvB.

12.6. Other adverse effects

Other adverse effects None known.

13. DISPOSAL INFORMATION

13.1. Waste treatment methods

General information Dispose of waste product or used containers in accordance with local regulations

Disposal methods Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

14. TRANSPORT INFORMATION

General The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).

14.1. UN number

UN No. (ADR/RID) NC

14.2. UN proper shipping name

14.3. Transport hazard class(es)

No transport warning sign required.

14.4. Packing group

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant

No.

14.6. Special precautions for user

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

Transport in bulk according to Not applicable.

Annex II of MARPOL 73/78 and the IBC Code

15. REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

National regulations	The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (SI 2009 No. 716). Rivers (Prevention of Pollution) Act 1961. Control of Substances Hazardous to Health Regulations 2002 (as amended).
EU legislation	Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended). Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended).
Guidance	CHIP for everyone HSG228. Approved Classification and Labelling Guide (Sixth edition) L131.
Authorisations (Title VII Regulation 1907/2006)	No specific authorisations are known for this product.
Restrictions (Title VIII Regulation 1907/2006)	No specific restrictions on use are known for this product.

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

16. OTHER INFORMATION

Abbreviations and acronyms used in the safety data sheet

ATE:	Acute Toxicity Estimate.
ADR:	European Agreement concerning the International Carriage of Dangerous Goods by Road.
CAS:	Chemical Abstracts Service.
DNEL:	Derived No Effect Level.
GHS:	Globally Harmonized System.
IATA:	International Air Transport Association.

ICAO-TI:	Technical Instructions for the Safe Transport of Dangerous Goods by Air.
IMDG:	International Maritime Dangerous Goods.
Kow:	Octanol-water partition coefficient.
LC₅₀:	Lethal Concentration to 50 % of a test population.
LD₅₀:	Lethal Dose to 50% of a test population (Median Lethal Dose).
PBT:	Persistent, Bioaccumulative and Toxic substance.
PNEC:	Predicted No Effect Concentration.
REACH:	Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006.
RID:	European Agreement concerning the International Carriage of Dangerous Goods by Rail.
SVHC:	Substances of Very High Concern.
vPvB:	Very Persistent and Very Bioaccumulative. IARC: International Agency for Research on Cancer.
MARPOL 73/78:	International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978.
cATpE:	Converted Acute Toxicity Point Estimate.
BCF:	Bioconcentration Factor.
BOD:	Biochemical Oxygen Demand.
EC₅₀:	50% of maximal Effective Concentration.
LOAEC:	Lowest Observed Adverse Effect Concentration.
LOAEL:	Lowest Observed Adverse Effect Level.
NOAEC:	No Observed Adverse Effect Concentration.
NOAEL:	No Observed Adverse Effect Level.
NOEC:	No Observed Effect Concentration.
LOEC:	Lowest Observed Effect Concentration.
DMEL:	Derived Minimal Effect Level.
UN:	United Nations.
IBC:	International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk (International Bulk Chemical Code).
Key literature references and sources for data	Dangerous Properties of Industrial Materials Report, N.Sax et.al.

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Revision comments

NOTE: Lines within the margin indicate significant changes from the previous revision.

Revision date

30/11/2017

Revision

8

Supersedes date

20/05/2016

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