



Risk of death and severe harm from ingesting superabsorbent polymer gel granules

Date of Issue:	28-Nov-19	Reference No: NatPSA/2019/002/NHS	PS
	r: All organisations using poly es, community services, hosp	mer gel products; including hospitals, mental health ices and care homes.	
an executive leader (or e	equivalent role in organisation	Safety Alert. Implementation should be coordinated by is without executive boards) and supported by clinical pontinence management, and falls prevention.	
Explanation of identifie	ed safety issue:	Actions required	<u>î</u>
Superabsorbent polyme sachets, mats and loose spillage onto bedding, cl patients use urine bottle staff move fluid-filled cor bedpans). In 2017, NHS Improvem Alert ¹ warning of the asp with the use of these gel after ingesting a sachet been left in a urine bottle Since 2017, there have l incidents of ingestion by and two patients require These involved polymer urine bottles or vomit bo to use. These incident re patterns ² , suggest provid local awareness raising overall approach to the u	r gel granules (including powder) are used to reduce othing and floors when s or vomit bowls, or when natainers (eg washbowls, ent issued a Patient Safety hyxiation risk associated granules. A patient died of gel granules that had e in their room. Deen a further 12 reported patients; two patients died, d emergency treatment. gel products left in their wls or left for nearby patients eports, and NHS purchasing ders have been relying on rather than reviewing their use of these products.	 Actions to be completed by 01/06/2020 1. Hospitals, mental health units, hospices and care homes must make a single decision for each their sites' to either: a) exclude polymer gel granules (sachets, mats, loose powder) from all patient uses or b) restrict them to exceptional use onlyⁱⁱ via a specialist teamⁱⁱⁱ. If option (b) is chosen, the site must provide risk assessment pro formas^{iv} that consider the risk for a patients in the location, not just the patient with whom polymer gel use is intended. 2. Ambulance trusts must make a single decision for their service to either: a) exclude polymer gel granules (sachets, mats, loose powder) from all patient uses or b) restrict their use to settings where patients are constantly observed (eg emergency ambulances). 3. Community nursing and community therapy services must make a single decision for their service to either: a) exclude polymer gel granules (sachets, mats, loose powder) from all patient uses or b) restrict their use to settings where patients are constantly observed (eg emergency ambulances). 3. Community nursing and community therapy services must make a single decision for their service to either: a) exclude polymer gel granules (sachets, mats, loose powder) from all patient uses or b) provide risk assessment pro formas^{iv} that consider risk for all people in the house, not just the patient if whom polymer is required. 4. All types of setting must: a) put in place purchasing controls that block unauthorised ordering of polymer gel granules (sachets, mats, loose powder) b) if continued use required, purchase the product' that patients are least likely to confuse with food^{vi}. c) ensure any polymer gel for non-patient use (eg spill kits, controlled drug destruction, use by cleanin staff) is kept secure and away from patients^{vii}. 	of all der for

For further detail, resources and supporting materials see: <u>improvement.nhs.uk/news-alerts/superabsorbent-polymer-gel-granules-2019</u> For any enquiries about this alert contact: <u>patientsafety.enquiries@nhs.net</u>

Additional information:

Notes

- i. A building or co-located group of buildings that patients could be transferred between without an ambulance.
- ii. Includes exceptional infection control or personal dignity/falls prevention uses.
- iii. If no specialist teams, access should be via a designated senior member of the clinical staff.
- iv. Risk assessment pro formas should assess the risk to all patients/people in the location/house, not just the patient for whom polymer gel use is intended; and introduce procedures that ensure supplies are securely stored away from general use and returned/destroyed when no longer required for that patient.
- v. Discuss with NHS Supply Chain liaison officer where available.
- vi. Confused patients or those with poor vision may be more likely to put polymer gels that resemble sugar sachets or loose sugar into their mouths than fibrous mats containing polymer gel, but all types present a risk of choking/self-harm.
- vii. These products are not covered by CoSHH regulations, but providers of NHS-funded care should consider adding them to their inventory for safe storage as an extra safeguard.

This alert does not preclude the use in future of any polymer products that are designed to be impossible for patients to put in their mouths (eg fixed coatings on the inside of receptacles).

Patient safety incident reporting

National Reporting and Learning System (reference 5152) was searched on 23 June 2019 for incidents reported as occurring between 5 July 2017 and 31 March 2019. We identified 11 reports, plus one additional incident on Strategic Executive Information System, where patients had ingested polymer granules. Reports described patients opening sachets and tipping the contents onto food or drink, eating the sachet itself or eating the activated or partially activated gel from urine bottles drinking beakers, tea cups and plates of food. Many reports described confused or otherwise vulnerable patients given a dry urine bottle or vomit bowl with a sachet (or multiples) inside, or sachets left on or near patient tables or removed by patients from tables and trolleys. A particular risk are patients who are transferred with these products to areas unfamiliar with their use or that do not realise the patient has these with them, or where temporary or junior staff use the products as they have seen them used in other areas.

References

- 1. <u>NHS Improvement Patient Safety Alert: Risk of death and severe harm from ingestion of superabsorbent</u> polymer gel granules – July 2017
- 2. Information supplied by NHS Supply Chain
- Clinical guidance for the appropriate and safe exceptional use of superabsorbent polymer gel granules for the containment of bodily waste - 2019. <u>https://improvement.nhs.uk/resources/clinical-guidance-for-the-appropriate-and-safe-exceptional-use-of-superabsorbent-polymer-gel-granules-for-the-containment-ofbodily-waste/</u>
- Public Health England and infection prevention and control experts confirm these products are helpful in the management of <u>Hazard Group Four viral haemorrhagic fevers and similar human infectious diseases of</u> <u>high consequence in infectious disease units</u> and not required for routine infection control purposes.

Stakeholder engagement

- NHS England and NHS Improvement Infection Prevention and Control team
- The Infection Prevention Society
- NHS Supply Chain
- Public Health England (National Infection Service)
- National Patient Safety Response Advisory Panel (see here for a list of members)

Advice for Central Alerting System officers and risk managers

This is a safety critical and complex National Patient Safety Alert. In response to CHT/2019/001 <u>The introduction</u> of National Patient Safety Alerts issued via CAS on 17 September 2019, your organisation should be developing new processes to ensure executive oversight and co-ordination of safety critical and complex National Patient Safety Alerts. CAS officers should send this Alert to the executive leader nominated in their new process to coordinate implementation of safety critical and complex National Patient Safety Alerts, copying in the leads identified on page one. If CAS officers do not yet know which executive leader will do this, they should send this Alert to their Chief Nurse and Executive Medical Director (or equivalent roles, including in organisations without executive boards). This alert asks for co-ordinated implementation across the trust/organisation, and so should not be disseminated to individual teams or departments by the CAS officer.