

Wright, Dean

From: Jared Brown (SCHN) [jared.brown@health.nsw.gov.au]
Sent: Tuesday, 24 January 2012 5:32 PM
To: Leach, Joshua
Subject: RE: teeth-whitening data query from ACCC [SEC=UNCLASSIFIED]
Attachments: ACCC whitening search 24 Jan 2012_reviewed.xlsx; Brown EAPCCT 2011 - MMS.pdf

Hi Joshua,

It was good to touch base and get an overview of the current system and to get some insight into potential collaboration for the PIC and ACCC. Our main issue for progressing this is finding paid staff time to assist with this as we are mainly funded for providing the phonenumber only with 0.2 FTE for research/IT/audit/toxicovigilance work (myself). As you can imagine with 110,000 calls+ per year from our centre alone this leaves little time for public health work unfortunately.

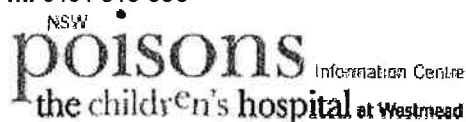
Thanks for these terms in assisting with the search strategy. Please find attached the extracted cases of teeth whitening exposures from the NSWPIC database of calls 1/1/2004-23/1/2012 (I have excluded the general toothpaste-type ones). I will be creating a new substance category to extract these more easily in the future and will request further details are documented, if possible, as to the preparation name, concentration and place of purchase/application. At present, routine follow-up of callers is not performed so outcome information is missing – there is potential for targeted reviews of particular products for follow-up data to be obtained. We have done this for some products like MMS (conference poster attached) – this is something I have liaised with the TGA about but I guess is now of relevance to the ACCC as they have now been forced to remove their therapeutic claims in Australia).

I will be in touch on my return from holidays in late February regarding further potential collaboration. I will forward your details and request on to the other 3 PIC's now. Let me know in the meantime if you need anything further (I leave on 3rd February).

Regards,

Jared

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Please note I only work Tuesdays (Research) and 2 phonenumber shifts Thursday-Sunday on a rotating roster with intermittent email access throughout the week

From: Leach, Joshua [mailto:Joshua.Leach@accg.gov.au]
Sent: Tuesday, 24 January 2012 2:54 PM
To: Jared Brown (SCHN)
Subject: teeth-whitening data query from ACCC [SEC=UNCLASSIFIED]

Hello Jared,

Thank you for your time on the phone. I have compiled names of brands and descriptions of the products that we have an interest in.

In particular injuries have been associated with the products containing hydrogen peroxide greater than 6% and hydrogen carbamide greater than 18%. Though any incidents, whether above or below those

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levels, we would be interested in.

Some of the teeth-whitening brands we have seen are listed below:

- Bdazzled
- Crest
- Whiter Smile
- Ozbrite
- DaVinci
- White My Bite
- Whitesmile
- Daywhite
- Nitewhite
- Sunshine Health
- Pro Teeth Whitening
- Arctic White
- Whitestrips

Some other key terms are:

- Teeth whitening kit
- Bleaching kit
- Whitening gels
- Whitening strips
- Whitening pens

On another note we are interested in any data or trends related to consumer goods that are causing injury. Our clearinghouse team code data from as many sources as they can and do follow up investigations. We are always interested in any new information. On the phone you mentioned hair dye data and we would be very interested in receiving that data.

Sincerely,

Joshua Leach

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Product Safety Branch
Australian Competition and Consumer Commission
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Make safe — Buy safe — Use safe Find out how at www.productsafety.gov.au

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Toxicity from the use of Miracle Mineral Solution and similar products (sodium chlorite)

Jared Brown

New South Wales Poisons Information Centre
The Children's Hospital at Westmead, Sydney, Australia

Introduction

- Miracle Mineral Solution is a complementary and alternative medicine supplied as 28% sodium chlorite and designed to be mixed in amounts of 1–20 drops with 10% citric acid and diluted immediately prior to use by the user.
- Several other brands exist and may be marketed as water purification drops but are all very similar. Some contain a mixture of sodium chlorite, sodium chlorate and sodium carbonate.
- They have various therapeutic claims, from general well-being to curing cancer and malaria. Products are sold through some complementary medicine practitioners, health food stores and the Internet.
- There is very limited human toxicity experience with this product but several regulatory bodies around the world have issued consumer alerts on these products (but not Australia).¹⁻³

Methods

- A retrospective review of calls made to the New South Wales Poisons Information Centre during 1 January 2004 – 9 May 2011 involving adverse effects from the use of sodium chlorite-containing 'therapeutic' preparations. Search terms (and truncations) included: sodium chlorite/chlorate/chloride, MMS, Miracle Mineral Solution, Oxy-Go, water purification drops.
- A follow-up phone call and medical record request (if hospitalised) was attempted for each case with contact details recorded.

Aims: To describe the adverse effects from the 'therapeutic' use of sodium chlorite-containing products



Results

- 18 cases of toxicity directly reported to the NSW Poisons Information Centre from August 2008 – April 2011.
- Only one paediatric case found of an 8yo. 72% were female.
- Symptoms reported are mainly gastrointestinal in nature with severe persistent abdominal cramping, nausea, vomiting and diarrhoea the common complaints. This resulted in hospitalisation of at least six of these patients. No permanent sequelae were identified.
- Two other Australian Poisons Information Centres recorded a further nine cases in 2008–2009.⁴⁻⁵ All presented with similar symptoms, with two of these cases observed in hospital.
- Discussion with patient's and their friends and family revealed at least another five victims who had experienced similar but milder symptoms.

Discussion

- Sodium chlorite is similar to bleach and may cause corrosive injury.
- Sodium chlorate is a potent oxidising agent and may cause haemolysis, methaemoglobinaemia and nephrotoxicity.
- A number of calls incorrectly recorded the ingredients as sodium chloride and the substance was recorded by many names.
- Many of the adverse effects reported to these solutions are the result of therapeutic errors, i.e. consumers did not accurately measure the very precise dose required or became confused with the MMS and citric acid containers and overdosed on the sodium chlorite component.

Conclusions

- Sodium chlorite-containing products have the risk of significant morbidity, particularly when used outside the 'recommended dose'.
- MMS has significant therapeutic claims associated with its marketing materials without any credible scientific evidence.
- There is no regulation of the product by the government and as such has not been tested for safety or effectiveness. Without regulations, the product is available untested with little safeguards for its safe use, such as appropriate warning labels and protective measures for young children such as child-resistant packaging and smaller bottle sizes.
- This case series and unlawful therapeutic claims prompted the Australian Therapeutic Goods Administration to act in mid-2010 and a number of Australian websites have now ceased to operate and those remaining have been ordered to remove all therapeutic claims.
- Further public protection is still required locally and worldwide as it can still be legally sold as a water purification drop (with no written therapeutic claims).
- Consumers need to be aware of the potential dangers with this product and lack of evidence along with extra safeguards to protect consumers and toddlers.

References

- Health Canada. Health Risks Associated with Use of Miracle Mineral Solution. http://www.hc-sc.gc.ca/ahc-asc/media/advisories-avis/_2010/2010_74-eng.php. Retrieved 16/5/11
- U.S. Food and Drug Administration. FDA Warns Consumers of Serious Harm from Drinking Miracle Mineral Solution. <http://www.fda.gov/NewsEvents/Newsroom/PressAnnouncements/ucm220747.htm>. Retrieved 16/5/11
- Food Standards Agency. Warning against consumption of MMS. <http://www.food.gov.uk/news/newsarchive/2010/sep/mms>. Retrieved 16/5/11
- Personal communication. Victorian PIC. January 2010.
- Personal communication. Queensland PIC. January 2010.

Acknowledgements

Thanks to the Queensland and Victorian PIC's for identifying the cases reported to them and the victims for providing additional information.

Further information

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Dose	Signs and symptoms	Disposition
2 squirts of sodium chlorite 28% mixed with half glass water. <i>Instead of mixing it with the citric acid activator.</i>	Persistent vomiting, nauseous, throat burning	Seen and treated symptomatically in hospital
50–80 drops Mineral and Water Purification Supplement. <i>Instead of 1mL.</i>	Persistent vomiting and diarrhoea	Referred to hospital
25–30 drops sodium chlorite 28%. <i>Instead of 5 drops</i>	Nausea, burping	Did not seek medical attention
1 tablespoon undiluted Mineral Supplement and Water Purification Drops (28% sodium chlorite). <i>Instead of a 'few' drops in glass of water</i>	Nausea and vomiting	Treated in hospital
Squirt of sodium chlorite water purification drops. <i>Instead of 10 drops</i>	Persistent vomiting and diarrhoea	Did not seek medical attention
<recommended dose MMS – dose not specified by patient	Persistent vomiting	Advised to call back if symptoms not resolving shortly
Several drops sodium chlorite solution	Stomach cramps, persistent vomiting, diarrhoea	Treated at hospital
Squirt – estimated as 30mL (sodium chlorite 28%)	Initially patient induced vomiting, this was followed by persistent vomiting for several hours, severe nausea, followed by a few days of feeling tired and weak	Referred to hospital but patient did not attend and recovered
Sodium chlorite or citric acid. <i>Forgot to add other powder</i>	Burning sensation	Did not seek medical attention
35 drops sodium chlorite 28% mixed with 5 drops citric acid 10% in half glass of water bd for 10 days. <i>Instead of 5 drops sodium chlorite and 35 drops citric acid.</i>	Abdominal pain, vomiting, profuse watery diarrhoea	Treated in hospital
Squirt (sodium chlorite)	Violent persistent vomiting and diarrhoea lasting all day and felt tired and unwell for days afterwards	Did not seek medical attention and recovered
3 teaspoons Oxy-Go (sodium chlorite, sodium chlorate, sodium carbonate) in water. <i>Instead of 5 drops in water with lemon juice</i>	Persistent vomiting	Referred to hospital
1 teaspoon MMS in 200mL water. <i>Did not mix with citric acid as directed and used the wrong quantity.</i>	Persistent vomiting, burning throat	Referred to hospital
4 drops Oxy-MMS Stabilised Oxygen Concentrate (sodium chlorite, sodium chlorate and sodium carbonate). <i>Instead of 2 drops</i>	Vomiting, diarrhoea, drowsiness, pallor	Referred to hospital but did not attend and recovered
2 squirts Mineral Supplement and Water Purification Drops (undiluted). <i>Instead of 1-2 drops</i>	Vomiting, diarrhoea, headache	In hospital
5 drops MMS mixed with citric acid in water. <i>Instead of mixing with citric acid then diluting with water</i>	Breathing difficulties, chest pain, nausea, back pain, fatigue, feeling that throat was swollen and burning, polyuria	Referred to hospital
20 drops Oxy-Go diluted in water (sodium chlorite, sodium chlorate and sodium carbonate). <i>Instead of 5 drops starting dose</i>	Severe persistent vomiting and diarrhoea for 6 hours with symptoms easing over following 6 hours	Referred to hospital but did not attend and recovered
25 drops sodium chlorite drops in cup of tea. <i>Instead of 5 drops</i>	Persistent vomiting and diarrhoea, hypotension	Treated in hospital



Record Number	Date	Time	Call Type	Victim	Exposure	Reason	Dose of Substance	Ingredients of Substance	Time Since Exposure	Route of Exposure	Category Description	Product Group Description	Product Category
2041387	13-May-05	23:42	exposure	child	accidental		sa if any	Oral B whitening strips	recent	Ingestion	Other - Bites Plants Chemicals	Cosmetics & Personal Care Products	Dental/oral care products
2048553	08-Jun-05	10:17	exposure	child	accidental		some	simply white gel	yesterday	Dermal	Other - Bites Plants Chemicals	Cosmetics & Personal Care Products	Dental/oral care products
2078994	22-Sep-05	2:26	exposure	child	accidental		1	tooth whitening strip	?/	Ingestion	Other - Bites Plants Chemicals	Cosmetics & Personal Care Products	Dental/oral care products
2085087	10-Oct-05	20:54	exposure	child	accidental		sa	teeth whitener from dentist (7.5% peroxide)	now	Ocular	Other - Bites Plants Chemicals	Chemicals	Chemicals
2090952	29-Oct-05	5:10	exposure	adult	accidental		on teeth	Oral-B whitening strips	o'night	Ingestion	Other - Bites Plants Chemicals	Cosmetics & Personal Care Products	Dental/oral care products
2221822	02-Mar-06	17:55	exposure	child	accidental		3-4mls	colgate simply white tooth whitener	5mins	Ingestion	Other - Bites Plants Chemicals	Cosmetics & Personal Care Products	Dental/oral care products
2234453	08-Apr-06	13:29	exposure	child	accidental		2	used Macleans whitening strip	now	Ingestion	Other - Bites Plants Chemicals	Cosmetics & Personal Care Products	Dental/oral care products
2254620	15-Jun-06	8:06	exposure	adult	accidental		taste	tooth whitener	last night	Ingestion	Other - Bites Plants Chemicals	Cosmetics & Personal Care Products	Dental/oral care products
2270334	06-Aug-06	17:01	exposure	adult	Adverse reaction		some	Colgate simply white gel	using for 3/12	Dermal	Other - Bites Plants Chemicals	Cosmetics & Personal Care Products	Dental/oral care products
2272639	19-Aug-06	21:19	exposure	adult	accidental		vsa	oral-B teeth whitening strips	30 min'	Ocular	Other - Bites Plants Chemicals	Cosmetics & Personal Care Products	Dental/oral care products
2273170	15-Aug-06	14:29	exposure	child	accidental		smil amt	Whitening Toothpaste-unknown brand	recent	Ocular	Other - Bites Plants Chemicals	Cosmetics & Personal Care Products	Dental/oral care products
2284188	19-Sep-06	8:05	exposure	child	accidental		mf	white lightening teeth gel	few mins	Ingestion	Other - Bites Plants Chemicals	Cosmetics & Personal Care Products	Dental/oral care products

3007716	24-Jan-07	11:56 exposure	adult	accidental		sm am	oral b whitening strip	recent	Ingestion	Other - Bites Plants Chemicals	Cosmetics & Personal Care Products	Dental/oral care products
3007959	25-Jan-07	3:14 exposure	adult	accidental		7ya	oral b rembrandt whitening pen gel	tonight	Ingestion	Other - Bites Plants Chemicals	Cosmetics & Personal Care Products	Dental/oral care products
3019354	27-Feb-07	14:09 exposure	adult	accidental		using	White Glow tooth drops	last 5 years	Ingestion	Other - Bites Plants Chemicals	Cosmetics & Personal Care Products	Dental/oral care products
3018745	25-Feb-07	15:50 exposure	child	accidental		some	oral B rembrand tooth whitening pen	recent	Unknown-Other	Other - Bites Plants Chemicals	Chemicals	Chemicals
3021328	04-Mar-07	22:49 exposure	child	accidental		30ml	recaid dent GC tooth mousse	few mins	Ingestion	Other - Bites Plants Chemicals	Cosmetics & Personal Care Products	Dental/oral care products
3024068	13-Mar-07	9:43 exposure	adult	accidental	poisons info	sa	colgate simply white	now	Ingestion	Other - Bites Plants Chemicals	Cosmetics & Personal Care Products	Dental/oral care products
3023253	10-Mar-07	22:11 exposure	child	accidental		vsa	pearl drops hollywood nights whitening wand	5 min'	Ocular	Other - Bites Plants Chemicals	Cosmetics & Personal Care Products	Dental/oral care products
3055179	21-Jun-07	1:03 exposure	adult	accidental		bit	Colgate Daytime whitener	today	Ingestion	Other - Bites Plants Chemicals	Cosmetics & Personal Care Products	Dental/oral care products
3071572	14-Aug-07	22:47 exposure	adult	accidental		some	opalescence teeth whitening kit	last night	Ingestion	Other - Bites Plants Chemicals	Cosmetics & Personal Care Products	Dental/oral care products
3073968	22-Aug-07	0:52 re-call	child	accidental		states 50ml	White Glow	Sunday	Ingestion	Other - Bites Plants Chemicals	Cosmetics & Personal Care Products	Dental/oral care products
3087356	30-Sep-07	0:46 exposure	adult	accidental		some	tooth whitening sol	assume recent	Ingestion	Other - Bites Plants Chemicals	Cosmetics & Personal Care Products	Dental/oral care products
3103781	15-Nov-07	23:53 exposure	adult	accidental		half teaspoon est	white glo tooth whitener	1.5h	Ingestion	Other - Bites Plants Chemicals	Cosmetics & Personal Care Products	Dental/oral care products
4002780	08-Jan-08	18:55 exposure	child	accidental		< 3ml	designer-white touch up gel (for teeth)	30 min'	Ingestion	Other - Bites Plants Chemicals	Cosmetics & Personal Care Products	Dental/oral care products

5088350	31-Oct-09	21:52 exposure	adult	Adverse reaction	as directed	colgate visible white prof whitening 9% 1100	Ingestion	Other - Bleas Plants Chemicals	Cosmetics & Personal Care Products	Dental/oral care products
5048802	24-May-09	12:52 exposure	adult	accidental	all night	polairite overnight	Ingestion	Other - Bleas Plants Chemicals	Chemicals	Chemicals
5045698	14-May-09	10:30 exposure	adult	accidental	trace	zoom teeth whitening pen now	Ingestion	Other - Bleas Plants Chemicals	Cosmetics & Personal Care Products	Dental/oral care products
5030479	28-Mar-09	22:19 exposure	adult	Adverse reaction	as pid	dayhite (tooth whitening) since last sat	Ingestion	Other - Bleas Plants Chemicals	Cosmetics & Personal Care Products	Dental/oral care products
5025094	19-Mar-09	21:32 exposure	adult	accidental	around mouth	colgate visible white charcoal procedure kit recent	Dermal	Other - Bleas Plants Chemicals	Cosmetics & Personal Care Products	Dental/oral care products
5022775	07-Mar-09	7:30 exposure	child	accidental	in mouth	pearl drops hollywood nights wonder drops recent	Ingestion	Other - Bleas Plants Chemicals	Cosmetics & Personal Care Products	Dental/oral care products
5118715	31-Dec-09	0:24 exposure	adult	therapeutic error	a lot of	hydrogen peroxide teeth whitening gel .5pm	Ingestion Dermal	Medicines-internal/external	DERMATOLOGICALS	Antiseptics and disinfectants
4122669	31-Dec-08	1:36 exposure	adult	accidental	sip	White Glo treatment for teeth 15mins	Ingestion	Other - Bleas Plants Chemicals	Cosmetics & Personal Care Products	Dental/oral care products
4108724	20-Nov-08	6:40 exposure	adult	Adverse reaction	Brushing teeth	6% peroxide for a week	Ingestion	Medicines-internal/external	DERMATOLOGICALS	Antiseptics and disinfectants
4101740	31-Oct-08	0:27 exposure	adult	accidental	from tray	teeth whitening just	Ingestion	Other - Bleas Plants Chemicals	Cosmetics & Personal Care Products	Dental/oral care products
408242	21-Sep-08	21:51 exposure	adult	Adverse reaction	ther dose	teeth whitening gel from dentist tonight	Unknown-Other	Other - Bleas Plants Chemicals	Cosmetics & Personal Care Products	Dental/oral care products
4023907	05-Mar-08	20:30 exposure	adult	accidental	some	5% h-peroxide bleaching kit this pm	Dermal	Medicines-internal/external	DERMATOLOGICALS	Antiseptics and disinfectants
4012728	04-Feb-08	21:43 exposure	adult	accidental	vs	Clorox White one step teeth whitener recent	Ingestion	Other - Bleas Plants Chemicals	Cosmetics & Personal Care Products	Dental/oral care products

5100977	07-Nov-09	23:39 exposure	adult	accidental	therp	Colg visible white professional in retainer	2 nights	Ingestion	Other - Bites Plants Chemicals	Chemicals	Chemicals
5102295	11-Nov-09	22:44 exposure	adult	therapeutic error	on gums	teeth whitening gel	tonight	Ingestion	Medicines-internal/external	DERMATOLOGICALS	Antiseptics and disinfectants
6001920	07-Jan-10	0:49 exposure	adult	Adverse reaction	to teeth	teeth whitening gel	5pm	Ingestion	Other - Bites Plants Chemicals	Cosmetics & Personal Care Products	Dental/oral care products
6024753	18-Mar-10	22:36 exposure	adult	accidental	sa	colgate visible white 9%	mins	Ingestion	Other - Bites Plants Chemicals	Cosmetics & Personal Care Products	Dental/oral care products
6034177	17-Apr-10	21:17 exposure	adult	accidental	swallowed	opaliscense teeth whitening bleach toothpaste	recent	Ingestion	Other - Bites Plants Chemicals	Cosmetics & Personal Care Products	Dental/oral care products
6079147	24-Sep-10	0:40 exposure	adult	Adverse reaction	sa?	teeth whitener	afternoon	Ingestion	Other - Bites Plants Chemicals	Cosmetics & Personal Care Products	Dental/oral care products
6086402	17-Oct-10	16:00 exposure	adult	accidental	therp dose	Colgate visible whitening , professionl system 9%	just	Ingestion	Other - Bites Plants Chemicals	Cosmetics & Personal Care Products	Dental/oral care products
6087702	21-Oct-10	21:02 exposure	adult	Adverse reaction	used	Colgate Visible Whitening gel	recent	Ingestion	Other - Bites Plants Chemicals	Cosmetics & Personal Care Products	Dental/oral care products
7030571	10-Apr-11	2:42 exposure	adult	accidental	sa	teeth whitening gel	few hrs	Ingestion	Other - Bites Plants Chemicals	Cosmetics & Personal Care Products	Dental/oral care products
7031657	13-Apr-11	21:10 exposure	adult	accidental	mf	hydrogen peroxide 3%	just	Ingestion	Medicines-internal/external	DERMATOLOGICALS	Antiseptics and disinfectants
7010679	06-Feb-11	11:00 exposure	adult	Adverse reaction	to teeth	teeth whitening soln	vest	Dermal	Other - Bites Plants Chemicals	Cosmetics & Personal Care Products	Dental/oral care products
7069907	30-Aug-11	7:28 exposure	child	accidental	sa, if?	bdazzled tooth whitening system	just	Ingestion	Other - Bites Plants Chemicals	Cosmetics & Personal Care Products	Dental/oral care products
7100732	10-Dec-11	23:27 exposure	adult	accidental	swallowed mf	white glo extra strength whitening/smokers toothpaste	just	Ingestion	Other - Bites Plants Chemicals	Cosmetics & Personal Care Products	Dental/oral care products

7086140	24-Oct-11	19:59	exposure	child	accidental	1.3g syringe	tooth whitener ("poladay polanigh")	5 min	Ingestion	Other - Bites Plants Chemicals	Cosmetics & Personal Care Products	Dental/oral care products
8005082	16-Jan-12	22:50	exposure	adult	accidental	using	teething whitening	10 mins	Ingestion	Other - Bites Plants Chemicals	Chemicals	Chemicals

User Defined Code	Substance Description	Weight	Age Yrs	Age Mths	Age Category	Gender	Callers Background	Caller Suburb	State	Caller Postcode	Hospital	Consultant	Special	Symptom	Handling
C0030	Dental care products: Other/unknown		16		Adolescent	F	Family		VIC					asymptomatic	stay home
C0030	Dental care products: Other/unknown		4		Toddler	F	Family		Other				Colgate	related symptomatic	other
C0030	Dental care products: Other/unknown		16		Adolescent	F	Family		VIC					asymptomatic	stay home
F0014	Hydrogen peroxide (not for medical use)		17		Adolescent	F	Family		NSW					related symptomatic	other
C0030	Dental care products: Other/unknown					F	Self		QLD					asymptomatic	stay home
C0030	Dental care products: Other/unknown		3		Toddler	F	Family		NSW	2650				related symptomatic	stay home
C0030	Dental care products: Other/unknown		14		Child	F	Doctor		NSW		Tamworth Base Hospital (NSW)			asymptomatic	In Hosp
C0035	Toothpaste: Non-fluoride based				Adult	F	Self		QLD					related symptomatic	stay home
C0030	Dental care products: Other/unknown				Adult	M	Self		NSW	1001				not known if related	GP refer
C0030	Dental care products: Other/unknown					F	Self		NSW					related symptomatic	hosp refer
C0034	Toothpaste: fluoride based		1		Toddler	F	Doctor		NSW		Scott Memorial Hospital (NSW)			asymptomatic	In Hosp
C0030	Dental care products: Other/unknown		1		Toddler	F	Family		QLD	4879				asymptomatic	stay home

C0034	Toothpaste: fluoride based			Adult	F	Self		NSW		asymptomatic	stay home
C0030	Dental care products: Other/unknown			Adult	F	Self		NSW		related symptomatic	stay home
C0035	Toothpaste: Non-fluoride based			Adult	F	Doctor		NSW		unrelated symptomatic	at GP surgery
F0014	Hydrogen peroxide (not for medical use)	2	4	Toddler	F	Family		NSW		asymptomatic	stay home
C0030	Dental care products: Other/unknown	4		Toddler	F	Family		QLD		asymptomatic	stay home
C0030	Dental care products: Other/unknown			Adult	F	Family			Colgate	related symptomatic	stay home
C0030	Dental care products: Other/unknown	2		Toddler	F	Family		QLD		related symptomatic	stay home
C0030	Dental care products: Other/unknown			Adult	F	Self		NSW	1001	related symptomatic	stay home
C0030	Dental care products: Other/unknown			Adult	F	Self		VIC		related symptomatic	GP refer
C0030	Dental care products: Other/unknown	11.9	2	Toddler	F	Nurse		WA	Nickel Bay Hospital, Karratha (WA)	unrelated symptomatic	In Hosp
C0034	Toothpaste: fluoride based			Adult		Doctor		NSW	3000	symptoms unknown	stay home
C0030	Dental care products: Other/unknown			Adult	M	Unknown		QLD		related symptomatic	stay home
C0030	Dental care products: Other/unknown	2	6	Toddler	F	Family		NSW		asymptomatic	stay home

C0030	Dental care products: Other/unknown
DE064	Hydrogen peroxide (topical)
C0030	Dental care products: Other/unknown
C0030	Dental care products: Other/unknown
DE064	Hydrogen peroxide (topical)
C0030	Dental care products: Other/unknown
DE064	Hydrogen peroxide (topical)
C0035	Toothpaste: Non-fluoride based
C0030	Dental care products: Other/unknown
C0030	Dental care products: Other/unknown
C0030	Dental care products: Other/unknown
F0014	Hydrogen peroxide (not for medical use)
C0030	Dental care products: Other/unknown

	Adult	F	Family		VIC		asymptomatic	stay home
	Adult	F	Self		NSW		related symptomatic	GP refer
	Adult	F	Self		NSW		related symptomatic	other
		F	Self		QLD		related symptomatic	stay home
		F	Friend		VIC	3765	related symptomatic	stay home
	Adult	F	Family		VIC		related symptomatic	stay home
22	Adult	F	Nurse		NSW	[Liverpool Hospital (NSW)]	related symptomatic	in Hosp
1	6 Toddler	F	Family		NSW	2536	asymptomatic	stay home
26	Adult	F	Family		NSW		related symptomatic	hosp refer
	Adult	F	Self		TAS		not known if related	other
	Adult	F	Self		NSW		asymptomatic	stay home
21	Adult	F	Family		NSW		related asymptomatic	GP refer
	Adult	F	Family		VIC	3000	related symptomatic	hosp refer

Product ID	Product Description	Age Group	Sex	Source	State	Brand	Referral Status	Notes
F0014	Hydrogen peroxide (not for medical use)		F	Self	COL	Colgate	related symptomatic	stay home
D0064	Hydrogen peroxide (topical)	Adult	F	Self	QLD 4164		related symptomatic	other
C0030	Dental care products: Other/unknown	Adult	F	Self	NSW		related symptomatic	stay home
C0030	Dental care products: Other/unknown	Adult	F	Self	VIC 3429		asymptomatic	stay home
C0035	Toothpaste: Non-fluoride based	Adult	F	Self	NSW 2560		related symptomatic	stay home
C0030	Dental care products: Other/unknown	Adult	F	Doctor	QLD	Redland Hospital (QLD)	related symptomatic	In Hoop
C0034	Toothpaste: fluoride based		F	Self	NSW		asymptomatic	stay home
C0034	Toothpaste: fluoride based	Adult	F	Self	COL	Colgate	related symptomatic	other
C0035	Toothpaste: Non-fluoride based		F	Self	NSW		not known if related	stay home
D0064	Hydrogen peroxide (topical)	Adult	M	Friend	QLD		asymptomatic	stay home
C0030	Dental care products: Other/unknown	Adult	F	Self	NSW 1335		related symptomatic	hosp refer
C0030	Dental care products: Other/unknown	6 Toddler	F	Family	QLD 4211		asymptomatic	stay home
C0034	Toothpaste: fluoride based	Adult	F	carer	VIC	Ref by NCC	asymptomatic	stay home

C0030	Dental care products: Other/unknown
F0014	Hydrogen peroxide (not for medical use)

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Toddler	M	Family		NSW	2821		asymptomatic	stay home
	F	Family		NSW	2160		related symptomatic	stay home

advice

Contain 6% hydrogen peroxide.
Dilute with small amount of water. Observation for burns, dysphagia, drooling, vomiting. If these symptoms present then to hospital for assessment. Vary unlikely to cause probs.

Painted on yesterday as nail polish. Now hands sore and red. Has washed well this am. Try soothing cream such as glycerine and sorbolene but if not settling or blistering- take to dr for exam

Thinks she has swallowed this strip. Reassurance provided. No symptoms present

Eye sore, is flushing now. >10% as per PI causes burns, not sure about 7.5% but advised high chance. Flush eye thoroughly for 15mins then rest 30mins. To cas if any irritation at all at that. To lmo/hosp if irritation persists. Use no drops/ointment in eye.

Instructions say not to leave on o'night, but she fell asleep with them on. No discomfort now.
Rinse mouth very well, then gently brush teeth. If pain/sensitive etc today, see dentist (or LMO if dentist unavailable).
If remain fine, would be worthwhile checking with a dentist on Monday anyway.

vomited, improved now but says she still feels a bit sick.
Reass. Further Problems unlikely.
Give eg drink of milk or iceblock and obs.
Ring back 1hr if worried.

can't find formula on npr or poibindex. At most may be corrosive.
GI exam normal.
Dilute, if vomiting / corrosive symptoms re-present for endoscopy

Feels like she has a sore throat. Reassurance provided. Not a corrosive product. Fluids++ Should resolve

caller sounded very "odd",
says it is making his lips crack.
Best to see GP if this is a continuing problem.
As per NPR: Ethanol 15 to 90% Phosphoric acid 0.1 to 1% Ethyl acetate 0 to 0.1% Water 30 to 40%

Applied strips to teeth; washed hands. Scratched itchy eye; stung. Washed eye for full 15 minutes; now painful, gritty feeling.
Label: H2O2 6%
Can see where she rubbed eye, some eyebrows have been bleached white.
As has flushed 15 minutes, and is actually painful, to eye exam.

Irrigate for 10-15 mins with room temp water.
Follow up eye exam after irrigation.

label: 16% carbamide peroxide
reass.

methol flavour in throat
Reassurance. Dilute. Gastrointestinal Irritation possible.

taste in mouth
Reassurance provided.

Liquid contains propylene glycol, carbamide peroxide, triethanolamine and peppermint oil.
Patient has been using daily for last five years. (why??)
Last 18 months patient has suffered nausea.
Is it related to using tooth whitening drops?
Stopped using five days ago and still suffering nausea.
If small amount ingested at time of using you could possibly have some GI upset, but only at the time.
Look for other causes now.

may have stuck up anus as pen had a bit of faeces on it.
Hydrogen peroxide 5% w/w (as read out by father)
Wash skin well with warm water. May cause skin irritation but no further problems expected.

Reassurance. Dilute. Gastrointestinal Irritation possible - diarrhoea.

Wife ingested small amount of simply white. Feels like mouth burning. Reassurance provided, Clean mouth and dilute with milk now.

Distressed initially but has settled with "one second" of flushing.
Label: urea hydrogen peroxide 10%
Flush thoroughly 15 minutes. As is the urea H2O2 at 10% rather than pure H2O2 at 10%, would expect strong irritant rather than corrosive.
Stated to call some risk damage, so if after flushing & brief rest (~30 min), if ANY symptoms, to hosp for eye exam.

worried as is out of date, now has burning sensation on tongue.
Reassurance. dilute. Would not expect problems from out of date - contains: Calcium Pyrophosphate, Water, Poloxamer 407, Carbamide Peroxide, 10%, PEG 12 as per net.
These can be irritant anyway. Dilute.

gel leaked out of mouthguard
ulcerated gum, sore throat all day, neither worsening or improving, still able to eat and drink
to GP in morning for assessment
try cold drinks/teething gels etc tonight to ease discomfort

Product contains propylene glycol, Glycerin, Carbamide peroxide, Triethanolamine and peppermint oil.
Some vomiting at the time. Discussed amount ingested. No signs of corrosion.
Would expect GI effects at the time, no delayed effects.
Treat symptomatically now.

Would expect GI upset. If persistent vomiting or any dysphagia or drooling to hosp

Heartburn. As per caller/label cont propylene glycol, glycerine, triethanolamine, carbamer.
Reassurance. Dilute. Gastrointestinal Irritation possible.
Try sips milk, suck iceblock, steamy shower to soothe.

Label: carbamide peroxide 11% is fine. Probably only GI upset, but ensure swallowing normally, no drool etc. If anything more than mild GI effects, call back.
Wash off skin. May irritate.

Reassurance. Give sweet fluids/food. Vomiting may occur at worst. Ring back if other symptoms occur.

bleach got onto gums - has caused pain on gums, small gum section has turned white - refer to dentist/go for follow-up, can try ice for tonight

was applied to plate and then onto teeth as directed; felt it was burning the gums after application, now soreness has gone but gums appear white.
Not sure what is in this particular product. If pain/blisters/swelling develop overnight, to ED, otherwise discuss use with dentist in the morning.

anxious, sore throat woken up, suppose to leave tray o/n
rinse mouth and have milk. If suppose to leave overnight then man know that some will undoubtedly be ingested- cannot make it poisonous.

using this tds and spitting out, not, rinsing after, feels sick in stomach, been weak
<10% peroxide is irritating to mucus membranes and can cause GI upset incl n/v/diarr
do not use this to brush teeth, symps should subside once ceased, if not better later today to Dr (last time she used it was yes)

contains propylene glycol, glycerine, carbamide peroxide as per caller.
Says throat is burning. Very sore. Discussed- should be irritant only since made for mouth but gave corrosive warning anyway since I don't know concentrations of ingredients. Ring back if worried.

Procedure at dentist did not go to plan and more product was used than anticipated. Lips swelled & had burning sensation, has had abdo cramping, diarrhoea. Symptomatic and supportive care. Would not expect product for oral cavity to have significant corrosive risk. Patient does not report vomiting, stridor or dysphagia and has no oral burns.

according to caller contains hydrogen peroxide 3.5%, etoh, methyl hydrogenated rosinate
Reassurance. Dilute. Gastrointestinal irritation possible. Give sweet drink now. If child looks drowsy or drunk call back

lip swollen (looks like she's sneering) and long narrow blister around lip. By the way, she's getting married tomorrow.
Sounds like she has a chemical burn. Flush area well and have assessed by a doctor tonight. Sorry!

Sore throat with burning sensation past week. Today nausea, tiny vomit (has reflux). As per caller, hydrogen peroxide 9.5% (applied to teeth via 5ml poured into tray).
Not sure if related - could cause throat irritation if swallowed sa. Cease & f/u with dentist on Mon. No, don't think ed nec tonight (no swallowing problems, no drool).

Reassurance. Dilute. Gastrointestinal irritation possible.

Is tooth whitening product. Meant to leave on 45 min but fell asleep & left in place all night. Carbamide peroxide 22% as per caller. Sensitive, tingly, sore teeth & gums.
Poss irritation/burn from prolonged contact. Ref dr for assess.

Applied as directed by dentist, severe pain to front four teeth since, difficult to inhale due to pain.
Ref hosp for analgesia now.

got this from dentist and told to leave on for 3 hrs- overnight, first night fine, second night got sore gums, bleeding gums, gums tingly all day
do not use further- you may be sensitive to the bleach peroxide ingredient- the amt of bleach usually dose not cause burns- not strong enough
Speak to dentist when possible, do not use further- gum will settle

supplied by dentist for use in mouthguard & used for the second time. Gums are whitened & burning.
Rinse well with cool water for 15-20 mins. If gums continue to be painful, become bright red or blistered to hospital tonight (unlikely). Speak with dentist tomorrow.

lips swollen but not painful or blistered. Was advised to expect this but worried about the extent. No swelling in tongue/throat, is on warfarin and worried about taking antihistamine. Fine to apply ice pack and see how symptoms go in next few hours.

using professional whitening colgate visible white 9%. Thinks small amount fell down the back of her throat
Currently symptom free. Dilute with small amount of water. Observation for burns, dysphagia, drooling, vomiting. If these symptoms present then to hospital for assessment.

thinks she must have applied too much in the mouthguard before going to bed. Burning in back of throat. Has brushed teeth to remove bleach but throat is very irritated. When she finally had a drink said symptoms instantly improved. Reassurance provided. Burns unlikely from product formulated for use in mouth.

teeth whitening product used today as brushing teeth with white toothpaste, brushing, whitening toothpaste on lips and tongue experienced. No anaphylactic signs. Large blister on lower lips and significantly swollen and painful upper and lower lips. Swallows water fine. doesn't know name of product but she says it's the 48% bleach.

Presume high conc hydrogen peroxide, also could have Na or K hydroxide according to npr. ie risk of corrosive injury although likely confined to front of mouth and not swallowed as not showing symptoms of this.

swallowed instead of spitting it out
have a glass of milk now. Reassurance. Dilute. Gastrointestinal irritation possible.
If kept it in mouth for 30 mins instead 15 mins wont be harmful, but sometimes saliva can dilute it

Dentist advised use, burnt when applied, gums went white, washed all off, brushed teeth, gums still white.
If any development of blister/ ulcer on gums to dr tonight but if washed off thoroughly would not expect this from product. May be extra sensitive to it.
Referred to customer service line in morning for further discussion.

teeth whitening gel from dentist. May have put too much in there. May have irritated throat. Carbamide peroxide 10% w/v. Dilute with small amount of water. Observation for burns, dysphagia, drooling, vomiting. If these symptoms present then to call back. Symptoms unlikely to develop now.

is using it to brush teeth to make them whiter.
Reassurance. Dilute. Gastrointestinal irritation possible. Sorry, cannot say whether brushing over the teeth is safe- speak with a dentist.

Done at a pharm apparently, caller does not know product used. Today gums very sore inflamed white with exudate.
Not sure what is in product - poss hydrogen peroxide - maybe soln too conc? Ref dr/hosp for assess/rx now. (pharm closed today so can't check product)

Mum read ingreds - in order - aqua, hydrogen peroxide 9.5%, other.
Dilute. GI upset poss. Obs next few hours and ring back if beyond mild gi effects.

Worried at might be abrasive in her stomach.
Reassurance. Dilute with milk. Gastrointestinal irritation possible.

Labelled as 1.8% carbamide peroxide. 1.8g syringe, and he appears to have had it all. None in eyes. Is not distressed. No vomiting.
Toxin lists 20% as the concentration threshold for hospital referral. As this is below that level, probably will be okay with possible mild GI upset.
However: Dilute with small amount of water. Observation for burns, dysphagia, drooling, repeated vomiting, stridor. If these symptoms present then to hospital for assessment. Call back if questions or concerns.

burning sensation of gum, has rinsed well but still very sore
keep rinsing for 15 mins, probably contains peroxide, pain killers if painful, to hosp if any blistering.
She is sensitive to this product- its unlikely to actually burn as it is intended for the mouth.