

## CHEMICAL DATA CHART

CHEMICAL NAME/ CAS NO.	HEALTH HAZARD	REACTIVE	FLAMMABLE	EFFECT ON CLOTHES	EXTERNAL	INTERNAL	USE
*alcohol (Isopropyl Alcohol) 67-63-0 (used in iodine solution also)	Slightly poisonous 1	Yes 2	Yes 4	none	Wash w/water or milk; <u>call physician</u>	give water or milk; <u>call physician</u>	<i>Classifying Plants and Animals Looking At Liquids</i>
Alka-Seltzer (contains 500 mg. Aspirin; sodium bicarbonate (1985 mg.); citric acid (1000 mg.)	No 0	No 0	No 0	none	none	Keep out of reach of children	<i>Common Objects Chemical Relationships</i>
Anti-chlorine drops	non-toxic	No	No	none	none	none	<i>Goldfish</i>
Baby Powder 14807-96-6	No 1	No 0	No 0	none	Wash with water	Do not inhale dust	<i>Looking At Liquids</i>
Baking Powder	No 0	No 0	No 0	none	Wash with water	Give water	<i>Buoyancy Chemical Relationships</i>
Baking Soda 144-55-8	No 0	No 0	No 0	May stain; wash with soap & water	Flush skin an eyes with water	Give water or milk to dilute	<i>Experimenting</i>
Bromothymol Blue 0076-59-5	No 0	No 0	No 0	May stain, wash with water	Flush skin and eyes with water	Give water or milk to dilute	<i>Experimenting</i>
*Calcium chloride (contains calcium salt)	slight	no	no	none	Flush with soap and water; <u>call physician</u>	Dilute with water	<i>Data Data Plus Astronomy</i>
*Calcium sulfate (see Plaster of Paris)							
Citric acid 77-92-9	No 0	No 0	No 1	none	Wash with water, rinse eyes	Dilute with milk or water. <u>Call physician</u>	<i>Chemical Relationships</i>
Cooking oil – see Oil							
Cornstarch (see starch, powder)							
Crystal Demonstration Tree	non-toxic	no	no	none	N/A	N/A	<i>Common Objects</i>

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Detergent (liquid)	slight	no	no	none	Flush skin and eyes with water	Give water to dilute	<i>Brine Shrimp Buoyancy Chemical Relationships Looking At Liquids Plant Characteristics Seeing Is Believing</i>
Epsom salts (magnesium sulfate)	slight	no	no	none	Flood skin with water and gently wash with soap and water. Flush eyes with water for 20-30 minutes. Seek medical attention.	DO NOT INDUCE VOMITING. Rinse out mouth. Dilute with 1 to 2 glasses of water and call poison control.	<i>Chemical Relationships Rocks and Minerals</i>
Eye Wash	no	no	no	none	If large amounts swallowed, get medical attention.	Wash with water.	<i>Chemical Relationships</i>
Fertilizer (Miracle-Gro)	slight	no	no	none	Flush eyes with warm water 15-20 min.; rinse skin immediately with plenty of water.	DO NOT INDUCE VOMITING. Call poison control; give glass of water to sip.	<i>Classifying Plants and Animals Environmental Factors</i>
Fish food	no	no	no	none	N/A	N/A	<i>Goldfish</i>
Food Coloring  (note: contains propylene glycol)	no	no	no	stains	Wash with soap and water	Give water	<i>Brine Shrimp Classifying Plants and Animals Common Objects Hermit Crabs Plus Introduction to Controlled Studies Life Cycles In Nature Looking At Liquids Plant Characteristics Plants Rocks and Minerals Seeing Is Believing Senses Sorting Weather</i>
Galena (contains lead)	no	no	no	none	Wash hands thoroughly	Avoid consuming or inhaling	<i>Landforms and Boulders Rocks and Minerals</i>

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*Glue, wood 101-68-8	slight 2	no	no 1	none	Flush eyes with water 25 min. lifting eyelids occasionally; wash affected area with soap and water.	DO NOT INDUCE VOMITING. Can cause gastrointestinal irritation, nausea. Get medical attention.	<i>MST Links</i>
Glycerol (glycerin) 056-81-5	slight 1	no	no 1	none	Wash off, may irritate skin	Give water	<i>Buoyancy Chemical Relationships Energy Looking At Liquids</i>
Guinea pig pellets (food)	no	no	no	none	Wash hands after handling	Do not swallow or eat pellets	<i>Animal Characteristics</i>
Helium (small can)	no	no	no	none	May produce suffocation if inhaled; remove to area of normal air circulation	N/A	<i>Common Objects</i>
Honey	no	no	no	none	Wash with water	Give water	<i>Physical Interactions</i>
Hydrogen peroxide	no	no	no	none	Rinse eyes with water	<u>Call physician</u> or poison control	<i>Chemical Relationships</i>
*Iodine solution 7553-56-2	Slightly poisonous 1	no	Yes, contains alcohol 3	stains	Wash with soap and water, rinse eyes thoroughly	Give large amounts of milk and <u>call physician</u>	<i>Chemical Relationships Classifying Plants and Animals Experimenting</i>
*Isopropyl alcohol (see alcohol)							
Kool Aid (see powdered drink mix)							
Miracle Gro (see fertilizer)							
Oil – cooking, vegetable	no	no	no	stains	Wash with soap and water.	Give water. May cause diarrhea.	<i>Brine Shrimp Common Objects Energy In Our World Looking At Liquids</i>
Owl Pellets	no	no	no	none	Wash hands – wash desk area	Do not swallow	<i>Plants, Prey and Predators</i>
Petroleum jelly	no	no	no	none	none	Laxative – concern for dehydration.	<i>Landforms and Boulders</i>
Plaster of Paris (calcium sulfate) 10034-76-1	no	no	no	None – may harden	May produce heat when mixed with water. Wash with lots of water.	Dilute with water. DO NOT breathe dust. <u>Call physican</u>	<i>Chemical Relationships Landforms and Boulders</i>

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Salt (flake, rock and table) sodium chloride 7647-14-5	no	no	no	none	Wash off; rinse eyes thoroughly	Give water; <u>call</u> <u>physician</u> if large amounts eaten	<i>Chemical Relationships</i> <i>Common Objects</i> <i>Energy In Our World</i> <i>Experimenting</i> <i>Landforms and</i> <i>Boulders</i> <i>Physical Interactions</i> <i>Seeing Is Believing</i> <i>Senses</i>
Sharpie Markers	Non toxic	no	no	May stain	Wash with water	N/A	<i>Rocks and Minerals</i>
Starch, liquid	no	no	no	none	Wash with water	Give water or milk to dilute	<i>Common Objects</i>
Starch, powder (cornstarch)	no	no	Excessive dust can be explosive	none	Wash off	DO NOT breathe dust	<i>Chemical Relationships</i> <i>Common Objects</i>
Sugar, table, cubes, rock candy	no	no	Moderate; dust can explode	none	wash with water	dilute with water	<i>Common Objects</i> <i>Chemical Relationships</i> <i>Energy in Our World</i> <i>Introduction to</i> <i>Controlled Studies</i> <i>Landforms and</i> <i>Boulders</i> <i>Senses</i>
Tea Bags - herbal	No – but may cause allergic reactions	No	No	May stain	N/A	N/A	<i>Experimenting</i>
Tulip Bulbs	no	no	no	none	N/A	Non-toxic	<i>Data Data Plus</i> <i>Astronomy</i>
Vegetable oil (see oil)							
Vermiculite	no	no	no	none	Wash with soap and water; rinse eyes for 15 minutes	If swallowed, wash out mouth with water; seek medical attention	<i>Classifying Plants and</i> <i>Animals Environmental</i> <i>Factors</i> <i>Plant Characteristics</i>
Vinegar 64-19-7	no	Reacts with alkali	no	none	Wash with soap and water; rinse eyes thoroughly	Give water to dilute. DO NOT INDUCE VOMITING. DO NOT give baking soda.	<i>Chemical Relationships</i> <i>Classifying Plants and</i> <i>Animals</i> <i>Common Objects</i> <i>Electrical Circuits</i> <i>Rocks and Minerals</i>

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Wood Pellets	No – contain no chemicals	no	no	none	Wash hands	Do not swallow	<i>Matching Plant Characteristics Sound</i>
Yeast, dry	no	no	no	none	Wash with water; flush eyes for 15 min.	Give water	<i>Chemical Relationships</i>

\*These substances are considered hazardous according to state and federal laws. Consult Material Safety Data Sheet (MSDS) for further information.  
CAS numbers are listed from the MSDS sheets