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## Acetylsalicylic Acid

**aspirin | hc9h7o4 - pubchem** - aspirin is an orally administered non-steroidal antiinflammatory agent. acetylsalicylic acid binds to and acetylates serine residues in cyclooxygenases, resulting in decreased synthesis of prostaglandin, platelet aggregation, and inflammation. this agent exhibits analgesic, antipyretic, and anticoagulant properties. **experiment 5 - synthesis of aspirin** - aspirin is the common name for the compound acetylsalicylic acid, widely used as a fever reducer and as a pain killer. salicylic acid, whose name comes from salix, the willow family of plants, was derived from willow bark extracts. in folk medicine, willow bark teas were used as headache remedies and other tonics. **acetylsalicylic acid (aspirin) - acutetox** - acetylsalicylic acid (asa) is analgesic, anti-pyretic and anti-inflammatory drug. low doses are used to inhibit platelet aggregation in ischemic heart disease and cerebrovascular disease [1]. **material safety data sheet acetylsalicylic acid** - material safety data sheet (acetylsalicylic acid) product observe all federal, state, and local environmental regulations. contact a licensed professional waste disposal service to dispose of this material. dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. **preparation of acetylsalicylic acid (aspirin)** - convert salicin to an acid of crystallized, colorless needles, which he named salicylic acid. since salicylic acid contains phenolic and carboxylic acid groups, it was irritating to the mouth, throat, and stomach. after considerable work, the derivative acetylsalicylic acid was found to have similar pain- **generic name: acetylsalicylic acid, aspirin, asa 112** - gd-026-phs-ems: drug profile for acetylsalicylic acid, aspirin, asa page 2 of 2 5/15/03 pediatric dosage: not recommended for prehospital use in children **safety data sheet - fisher scientific** - 2008); however, acetylsalicylic acid was classified as readily biodegradable in screening tests(7,8). an aqueous hydrolysis half-life of 6.3 days at ph 7.4 and 17 deg c(9), suggests hydrolysis may occur in moist soils(src). **salicylic acid acetylsalicylic acid (aspirin, asa) o** - acetylation of salicylic acid to acetylsalicylic acid (asa, aspirin) important: check off each step as you complete that step procedure place a filled di water squeeze bottle into a bucket of ice to cool. place a weighing boat on top of a top load balance and press tare. **safety data sheet - northwest missouri state university** - o-acetylsalicylic acid 2-acetoxybenzoic acid aspirin formula : c9h8o4 molecular weight : 180.16 g/mol component concentration o-acetylsalicylic acid cas -no.