



MATERIAL SAFETY DATA SHEET

SECTION 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: AspirinWorks® Test Kit (11-Dehydro Thromboxane B2)
Product Number: 12136, 12136-I

Corgenix, Inc.
11575 Main Street, Suite 400
Broomfield, CO 80020

Emergency Telephone Number
(800) 729-5661
(303) 457-4345

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

<u>Component</u>	<u>CAS Number</u>	<u>Percentage</u>
AspirinWorks® Substrate	Not Established	NA
p-Nitrophenyl Phosphate	Not Established	100.0
AspirinWorks® Sample Diluent	Not Established	NA
Tris Hydrochloride (Tris HCl)	1185-53-1	1.6
Water	7732-18-5	98.3
All other ingredients are non-hazardous	NA	NA
AspirinWorks® Wash Concentrate	Not Established	NA
Trizma Base	77-86-1	12.1
Sodium Chloride	7647-14-5	17.0
Water1	7732-18-5	70.7
All other ingredients are non-hazardous	NA	NA
AspirinWorks® Stopping Solution	Not Established	NA
Ethylenediaminetetraacetic Acid, disodium salt (EDTA)	6381-92-6	3.7
Water	7732-18-5	96.3
AspirinWorks® Antibody Solution	Not Established	NA
Stablizing Diluent	Not Established	99.3
All other ingredients are non-hazardous	NA	NA
AspirinWorks® Lyophilized Level 1, 2, 3 Controls	Not Established	NA
Lyophilized Human Urine	Not Established	94.9
Sucrose	9048-46-8	5.0
ProClin 300	26172-55-4	NA
All other ingredients are non-hazardous	NA	NA
AspirinWorks® Reference Solution	Not Established	NA
Tris Hydrochloride (Tris HCl)	1185-53-1	1.6
Water	7732-18-5	98.2
All other ingredients are non-hazardous	NA	NA
AspirinWorks® AP-Tracer	Not Established	NA
Stablizing Diluent	Not Established	98.9
All other ingredients are non-hazardous	NA	NA

SECTION 3: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW:

Labeling

AspirinWorks® Substrate

Color: Pale Yellow

Physical Form: Liquid

Odor: Not identified

Major Health Hazards: Irritating to eyes, respiratory system and skin

NFPA Rating (Scale 0-4): Health=2; Fire=0; Reactivity=0

Xi



AspirinWorks® Sample Diluent

Color: Clear

Physical Form: Liquid

Odor: Not identified

Major Health Hazards: Irritant

NFPA Rating (scale 0-4): Health=1; Fire=1; Reactivity=0

Xi



AspirinWorks® Wash Concentrate

Color: Clear

Physical Form: Liquid

Odor: Not identified

Major Health Hazards: Irritating to eyes, respiratory system, and skin

NFPA Rating (Scale 0-4): Health=2; Fire=1; Reactivity=0

Xi



AspirinWorks® Stopping Solution

Color: Clear

Physical Form: Liquid

Odor: Not identified

Major Health Hazards: Eye irritation

NFPA Rating (Scale 0-4): Health=2; Fire= 1; Reactivity=0

Xi



AspirinWorks® Antibody Solution

Color: Blue

Physical Form: Liquid

Odor: Not identified

Major Health Hazards: Irritating to eyes, respiratory system, and skin

NFPA Rating (Scale 0-4): Not Available

Xi



AspirinWorks® AP - Tracer

Color: Red

Physical Form: Liquid

Odor: Not identified

Major Health Hazards: Irritating to eyes, respiratory system, and skin

NFPA Rating (Scale 0-4): Not Available

Xi



AspirinWorks® Lyophilized Level 1,2,3 Controls

Color: Yellowish
Physical Form: Solid (Lyophilized)
Odor: Not identified
Major Health Hazards: Irritant; Allergic reaction/sensitizer
NFPA Rating (Scale 0-4): Health=1; Fire=1; Reactivity=0



AspirinWorks® Reference Solution

Color: Clear
Physical Form: Liquid
Odor: Not identified
Major Health Hazards: Irritant
NFPA Rating (Scale 0-4): Health=1; Fire=1; Reactivity=0



POTENTIAL HEALTH EFFECTS:

AspirinWorks® Substrate (p-Nitrophenyl Phosphate)

Inhalation:

Short Term Exposure: Irritation
Long Term Exposure: Toxic to liver and kidneys

Skin Contact:

Short Term Exposure: Irritation
Long Term Exposure: Irritation

Eye Contact:

Short Term Exposure: Irritation
Long Term Exposure: Irritation

Ingestion:

Short Term Exposure: No information available
Long Term Exposure: No information available

Carcinogen Status:

OSHA: No
NTP: No
IARC: No

AspirinWorks® Sample Diluent (Tris HCl)

Inhalation:

Short Term Exposure: Irritation, chest pain, difficulty breathing
Long Term Exposure: No information available

Skin Contact:

Short Term Exposure: Irritation, allergic reactions
Long Term Exposure: Irritation, allergic reactions

Eye Contact:

Short Term Exposure: Irritation
Long Term Exposure: No information available



Ingestion:

Short Term Exposure: Irritation (possibly severe), nausea, vomiting, diarrhea

Long Term Exposure: No information available

Carcinogen Status:

OSHA: No

NTP: No

IARC: No

AspirinWorks® Wash Concentrate (Sodium Chloride)

Inhalation:

Short Term Exposure: Irritation

Long Term Exposure: No information available

Skin Contact:

Short Term Exposure: Irritation

Long Term Exposure: Irritation

Eye Contact:

Short Term Exposure: Irritation

Long Term Exposure: Irritation

Ingestion:

Short Term Exposure: Fever, nausea, vomiting, diarrhea, disorientation, lung congestion, effects on the brain, convulsions, and coma.

Long Term Exposure: No information on significant adverse effects

Carcinogen Status:

OSHA: No

NTP: No

IARC: No

AspirinWorks® Wash Concentrate (Trizma Base)

Inhalation:

Short Term Exposure: Irritation, cough, chest pain, difficulty breathing

Long Term Exposure: No information available

Skin Contact:

Short Term Exposure: Irritation, allergic reactions

Long Term Exposure: Irritation, allergic reactions

Eye Contact:

Short Term Exposure: Irritation, eye damage

Long Term Exposure: Irritation

Ingestion:

Short Term Exposure: Irritation (possibly severe)

Long Term Exposure: No information available

Carcinogen Status:

OSHA: No

NTP: No

IARC: No



AspirinWorks® Stopping Solution (EDTA)

Inhalation:

Short Term Exposure: Irritation
Long Term Exposure: No information available

Skin Contact:

Short Term Exposure: Irritation
Long Term Exposure: Irritation

Eye Contact:

Short Term Exposure: Irritation
Long Term Exposure: Irritation

Ingestion:

Short Term Exposure: Irritation, nausea, vomiting, diarrhea
Long Term Exposure: No information available

Carcinogen Status:

OSHA: No
NTP: No
IARC: No

AspirinWorks® Antibody Solution (Stabilizing Diluent)

Inhalation:

Short Term Exposure: Irritation
Long Term Exposure: No information available

Skin Contact:

Short Term Exposure: Irritation
Long Term Exposure: No information available

Eye Contact:

Short Term Exposure: Irritation
Long Term Exposure: No information available

Ingestion:

Short Term Exposure: May be harmful if swallowed
Long Term Exposure: No information available

Carcinogen Status:

OSHA: No
NTP: No
IARC: No

AspirinWorks® AP Tracer

Inhalation:

Short Term Exposure: Irritation
Long Term Exposure: No information available

Skin Contact:

Short Term Exposure: Irritation
Long Term Exposure: No information available

Eye Contact:

Short Term Exposure: Irritation
Long Term Exposure: No information available



Ingestion:

Short Term Exposure: May be harmful if swallowed

Long Term Exposure: No information available

Carcinogen Status:

OSHA: No

NTP: No

IARC: No

AspirinWorks® Lyophilized Level 1,2,3 Controls (Lyophilized Human Urine)

Inhalation:

Short Term Exposure: Irritation

Long Term Exposure: Irritation

Skin Contact:

Short Term Exposure: Irritation

Long Term Exposure: Irritation

Eye Contact:

Short Term Exposure: Irritation

Long Term Exposure: Irritation

Ingestion:

Short Term Exposure: May be harmful if swallowed

Long Term Exposure: May be harmful if swallowed

Carcinogen Status:

OSHA: No

NTP: No

IARC: No

AspirinWorks® Lyophilized Level 1,2,3 Controls (ProClin 300)

Inhalation:

Short Term Exposure: No information on significant adverse effects

Long Term Exposure: No information available

Skin Contact:

Short Term Exposure: Irritant; Allergic reaction

Long Term Exposure: Irritant; Allergic reaction

Eye Contact:

Short Term Exposure: No information available

Long Term Exposure: No information available

Ingestion:

Short Term Exposure: May be harmful if swallowed

Long Term Exposure: No information available

Carcinogen Status:

OSHA: No

NTP: No

IARC: No

AspirinWorks® Reference Solution (Tris HCl)

See AspirinWorks® Sample Diluent above.

SECTION 4: FIRST AID MEASURES

INHALATION: If adverse effects occur, remove to uncontaminated area. Give artificial respiration if not breathing. If breathing is difficult, oxygen should be administered by qualified personnel. Get immediate medical attention.

SKIN CONTACT: Wash with copious amounts of water for at least 15 minutes. Remove contaminated clothing and wash before reuse. Consult a physician.

EYE CONTACT: Immediately flush with copious amounts of water for at least 15 minutes. Consult a physician.

INGESTION: If swallowed, wash mouth with water. Consult a physician immediately. Do not give anything by mouth to unconscious or convulsive person.

SECTION 5: FIRE FIGHTING MEASURES

FIRE AND EXPLOSION HAZARDS:

All Kit Components: Slight fire hazard. Dust/air mixtures may ignite or explode.

EXTINGUISHING MEDIA:

All Kit Components: Regular dry chemical, carbon dioxide, water, or regular foam.

Large fires: Use regular foam or flood with fine water spray.

FIRE FIGHTING:

All Kit Components: Move container from fire area if it can be done without risk. Cool containers with water spray until well after the fire is out. Do not scatter spilled material with high-pressure water streams. Dike for later disposal. Use extinguishing agents appropriate for surrounding fire. Avoid inhalation of material or combustion by-products. Stay upwind and keep out of low areas.

SECTION 6: ACCIDENTAL RELEASE MEASURES

OCCUPATIONAL RELEASE: Collect spilled material in appropriate container for disposal. Keep out of water supplies and sewers. Keep unnecessary people away, isolate hazard area and deny entry. Wash hands thoroughly after cleanup of spill.

SECTION 7: HANDLING AND STORAGE

Store as a kit at 2 to 8°C. Keep containers tightly closed. Do not breathe vapor. Do not get into eyes, on skin or on clothing. Wash hands with soap and water after handling.

SECTION 8: EXPOSURE CONTROLS PERSONAL PROTECTION

EXPOSURE LIMITS:

All Kit Components: No occupational exposure limits established.

PERSONAL PROTECTIVE EQUIPMENT:

Eye Protection: Wear ANSI Z87 safety glasses with side shields.

Clothing: Laboratory coat.

Gloves: Wear chemical resistant gloves.

Respirator: Not required

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Reagents are either aqueous (i.e., water based) solutions or lyophilized (i.e., freeze dried) material, sometimes color-coded by the addition of non-hazardous coloring agents to ease identification.

SECTION 10: STABILITY AND REACTIVITY

REACTIVITY: All reagents are stable under recommended storage conditions.

CONDITIONS TO AVOID: None reported

INCOMPATIBILITIES: None reported

HAZARDOUS DECOMPOSITION: Nature of decomposition products not known.

POLYMERIZATION: Will not occur

SECTION 11: TOXICOLOGICAL INFORMATION

HEALTH EFFECTS: (All Kit Components)

INHALATION:

ACUTE EXPOSURE: No information available

CHRONIC EXPOSURE: No information available

SKIN CONTACT:

ACUTE EXPOSURE: No information available

CHRONIC EXPOSURE: No information available

EYE CONTACT:

ACUTE EXPOSURE: No information available

CHRONIC EXPOSURE: No information available

INGESTION:

ACUTE EXPOSURE: No information available

CHRONIC EXPOSURE: No information available



SECTION 12: ECOLOGICAL INFORMATION

ECOTOXICITY DATA: No information available

SECTION 13: DISPOSAL CONSIDERATIONS

Keep out of water supplies and sewers. Dispose in accordance with all applicable regulations.

SECTION 14: TRANSPORT INFORMATION

U.S. DEPARTMENT OF TRANSPORTATION:

All Kit Components: Not regulated

CANADIAN TRANSPORTATION OF DANGEROUS GOODS:

All Kit Components: Not regulated

LAND TRANSPORT ADR: Exempt

LAND TRANSPORT RID: Exempt

AIR TRANSPORT IATA:

All Kit Components: Not regulated

SECTION 15: REGULATORY INFORMATION

U.S. REGULATIONS:

CERCLA SECTIONS 102a/103 HAZARDOUS SUBSTANCES (40 CFR 302.4):

All Kit Components: Not regulated

SARA TITLE III SECTION 302 EXTREMELY HAZARDOUS SUBSTANCES (40 CFR 355.30):

All Kit Components: Not regulated

SARA TITLE III 304 EXTREMELY HAZARDOUS SUBSTANCES (40 CFR 355.40):

All Kit Components: Not regulated

SARA TITLE III SARA SECTIONS 311/312 HAZARDOUS CATEGORIES (40 CFR 370.21):

AspirinWorks® Wash Concentrate (Sodium Chloride):

Acute: Yes

Chronic: No

Fire: No

Reactive: No

Sudden Release: No



(Trizma Base)

- Acute:** Yes
- Chronic:** No
- Fire:** No
- Reactive:** No
- Sudden Release:** No

AspirinWorks® Stopping Solution (EDTA)

- Acute:** Yes
- Chronic:** No
- Fire:** No
- Reactive:** No
- Sudden Release:** No

All Other Kit Components: Not regulated

SARA TITLE III SECTION 313 (40 CFR 372.65):

AspirinWorks® Substrate (p-Nitrophenyl Phosphate): Listed

All Other Kit Components: Not regulated

OSHA PROCESS SAFETY (29 CFR 1910.119):

All Kit Components: Not regulated

STATE REGULATIONS:

California Proposition 65:

All Kit Components: Not regulated

CANADIAN REGULATIONS:

WHMIS CLASSIFICATION: Not determined

EUROPEAN UNION REGULATIONS:

EU RISK AND SAFETY PHRASES:

AspirinWorks® Substrate (p-Nitrophenyl Phosphate):

R 36	Irritating to eyes.
R 38	Irritating to skin.
S 26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S 36	Wear suitable protective clothing

AspirinWorks® Wash Concentrate (Trizma Base)

R 36	Irritating to eyes.
R 38	Irritating to skin.
S 24	Avoid contact with skin.
S 25	Avoid contact with eyes.
S 26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S 46	If swallowed, seek medical advice immediately and show this container or label.



AspirinWorks® Stopping Solution (EDTA)

R 36	Irritating to eyes.
S 24	Avoid contact with skin.
S 25	Avoid contact with eyes.
S 26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S 46	If swallowed, seek medical advice immediately and show this container or label.

All Other Kit Components: Not determined

NATIONAL INVENTORY STATUS:

U.S. INVENTORY (TSCA): All products are subject to regulation under the Federal Food, Drug and Cosmetics Act and are, therefore, exempt from the US Toxic Substances Control Act Inventory Listing requirements.

SECTION 16: OTHER INFORMATION

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. Corgenix, Inc. shall not be held liable for any damages resulting from handling or from contact with the above product.