



SAFETY DATA SHEET
Regulation (EC) No 1907/2006 (REACH)

(Revision: 1/21/2019; Supersedes: 4/21/2015)

Section 1 Identification of the Substance/Preparation and of the Company/Undertaking.

1.1 Product Identifier

Product Type: Adhesive Accelerator
Trade Names: Mainstay Adhesive Accelerator

1.2 Relevant Identified Uses of the Substance or Mixture and Uses Advised Against

Product Use: Adhesive Accelerator
Uses Advised Against: For professional use only.

1.3 Details of the Supplier of the Substance or Mixture

<p>Manufacturer: Whip Mix Corporation 361 Farmington Avenue Louisville, Kentucky, USA 40209 Emergency Telephone Number: (502) 634-1451 Fax Number: (502) 634-4512</p>	<p>EU Importer Whip Mix Europe GmbH Wißstrasse 26 – 28 D – 44137 Dortmund Germany +49 (0) 231 / 567 70 8-0</p>
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1.4 Emergency Telephone Number

Transportation Emergencies: *CHEMTREC 1(800) 424-9300 (U.S. and Canada)*
International Calls: 1- 703-527-3887 (Collect calls accepted)
Other Product Information: info@whipmix.com

Section 2 Hazard Identification

2.1 Classification of the Substance or Mixture:

OSHA/WHMIS/GHS/CLP Classification (1272/2008):

Health Hazards	Physical Hazards	Environmental Hazards
Aspiration Toxicity Category 1 (H304) Skin Irritation Category 2 (H315) Eye Irritation Category 2 (H319) Specific Target Organ Toxicity – Single Exposure Category 3 (H336)	Flammable Liquid Category 2 (H225)	Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)

2.2 Label Elements

Danger!



H225 Highly flammable liquid and vapor.
H304 May be fatal if swallowed and enters airways.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H336 May cause drowsiness or dizziness.
H410 Very toxic to aquatic life with long lasting effects.

Prevention

P210 Keep away from heat, sparks, open flames, and hot surfaces. No smoking.
P233 Keep container tightly closed.

P240 Ground and bond container and receiving equipment
 P241 Use explosion-proof electrical, ventilating and lighting equipment.
 P242 Use only non-sparking tools.
 P243 Take precautionary measures against static discharge.
 P261 Avoid breathing mist, vapors or spray.
 P264 Wash thoroughly after handling.
 P271 Use only outdoors or in a well-ventilated area.
 P273 Avoid release to the environment.
 P280 Wear protective gloves and eye protection.

Response

P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor.
 P331 Do NOT induce vomiting.
 P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.
 P332 + P313 If skin irritation occurs: Get medical attention.
 P363 Wash contaminated clothing before reuse.
 P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
 P312 Call a POISON CENTER or doctor if you feel unwell.
 P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P337 + P313 If eye irritation persists: Get medical attention.
 P370 + P378 In case of fire: Use water fog, alcohol foam, carbon dioxide or dry chemical to extinguish.
 P391 Collect spillage.

Storage and Disposal

P403 + P235 Store in a well-ventilated place. Keep cool. Keep container tightly closed.
 P405 Store locked up.
 P501 Dispose of contents and container in accordance with local and national regulations.

2.3 Other Hazards: None.

Section 3 Composition/Information on Ingredients.

<u>Substance</u>	<u>CAS No. / EC Number</u>	<u>%</u>	CLP/GHS Classification (1272/2008)
Heptane	142-82-5/ 205-563-8	80-90%	Flam. Liquid 2 H225 Asp. Tox. 1 H304 Skin Irrit 2 H315 STOT SE 3 H336 Aquatic Acute 1 H400 Aquatic Chronic 1 H410
Acetone	67-64-1 / 200-662-2	10-20%	Flam. Liq 2 H225 Eye Irrit. 2 H319 STOT SE 3 H336 EUH066

See Section 16 for full text of GHS Classifications.

Section 4 First-Aid Measures.

4.1 Description of First Aid Measures

Inhalation: Remove exposed person to fresh air. If irritation or other symptoms persist, get medical attention.
Eyes: Flush with large quantities of water for 15 minutes, holding the eyelids apart. If irritation persists consult a physician.
Skin: Wash skin with soap and water. If irritation develops and persists, get medical attention.
Ingestion: If swallowed, rinse mouth with water. Never give anything by mouth to an unconscious or convulsing person. Do not induce vomiting. Get immediate medical attention.

4.2 Most Important symptoms and effects, both acute and delayed: Causes eye and skin irritation. Prolonged skin contact may cause drying of the skin. Inhalation of vapors or mists may cause respiratory irritation and central nervous

system effects. Swallowing may cause gastrointestinal irritation, nausea, vomiting and diarrhea. Aspiration during swallowing or vomiting may cause lung damage.

4.3 Indication of any immediate medical attention and special treatment needed: Immediate medical attention is required if ingested.

Section 5 Fire-Fighting Measures.

5.1 Extinguishing Media: Use water fog, alcohol foam, carbon dioxide or dry chemical.

5.2 Special Hazards Arising from the Substance or Mixture: This product is highly flammable and forms explosive mixtures with air. Vapors are heavier than air and will travel along surfaces to remote ignition sources and flash back. May float on water surfaces and cause a floating fire hazard. Closed containers may explode if exposed to extreme heat.

5.3 Advice for Fire-Fighters: Firefighters should wear full emergency equipment and approved positive pressure self-contained breathing apparatus. Cool fire exposed containers with water.

Section 6 Accidental Release Measures.

6.1 Personal Precautions, Protective Equipment and Emergency Procedures: Evacuate spill area and keep unprotected personnel away. Remove all sources of ignition. Ventilate area with explosion proof equipment. Wear appropriate protective clothing as described in Section 8.

6.2 Environmental Precautions: Avoid release into the environment. Report releases as required by local and national authorities.

6.3 Methods and Material for Containment and Cleaning Up: Contain and collect using inert absorbent materials and place in appropriate containers for disposal. Use non-sparking tools and equipment. If spill has not ignited, use water spray to disperse the vapors and protect personnel attempting to stop leak. Do not flush to sewer!

6.4 Reference to Other Sections: Refer to Section 8 for personal protective equipment and Section 13 for disposal information.

Section 7 Handling and Storage.

7.1 Precautions for Safe Handling Avoid contact with the eyes, skin and clothing. Avoid breathing vapors. Wear protective clothing and equipment as described in Section 8. Use only with adequate ventilation. Wash thoroughly with soap and water after handling. Keep containers closed when not in use. Keep product away from heat, sparks, flames and all other sources of ignition. Do not permit smoking in use or storage areas. Use with non-sparking tools and explosion proof equipment. Electrically bond and ground containers for transfer.

Empty containers retain product residues can be hazardous. Follow all SDS precautions when handling empty containers.

7.2 Conditions for Safe Storage, Including any Incompatibilities: Store in accordance with regulations for the storage of flammable liquids. Store in a dry, well ventilated area away from heat, direct sunlight and all sources of ignition. Store away from oxidizers and other incompatible materials. Protect from physical damage.

7.3 Specific end use(s):

Industrial uses: None identified

Professional uses: Adhesive Accelerator

Section 8 Exposure Controls/Personal Protection

8.1 Control Parameters:

Heptane	500 ppm TWA OSHA PEL 400 ppm TWA, 500 ppm STEL ACGIH TLV 200 ppm TWA, 500 ppm STEL Belgium OEL 500 ppm TWA EU IOEL 400 ppm TWA, 500 ppm STEL France OEL 500 ppm TWA, 500 ppm STEL German MAK 1200 mg/m ³ TWA, 1600 mg/m ³ STEL Netherlands OEL 500 ppm TWA Ireland OEL 500 ppm TWA Italy OEL 200 ppm TWA, 300 ppm STEL Sweden OEL 500 ppm TWA UK WEL
Acetone	1000 ppm TWA OSHA PEL 250 ppm TWA, 500 ppm STEL ACGIH TLV

500 ppm TWA, 1000 ppm STEL Belgium OEL
 500 ppm TWA EU IOEL
 500 ppm TWA, 1000 ppm STEL France OEL
 500 ppm TWA, 1000 ppm STEL German MAK
 1210 mg/m³ TWA, 2420 mg/m³ STEL Netherlands OEL
 500 ppm TWA Ireland OEL
 500 ppm TWA Italy OEL
 250 ppm TWA, 500 ppm STEL Sweden OEL
 500 ppm TWA, 1500 ppm STEL UK WEL

Refer to local regulations for exposure limits not listed above.

8.2 Exposure Controls:

Recommended Monitoring Procedures: None.

Appropriate engineering controls: Use with adequate local exhaust ventilation to maintain exposures below the occupational exposure limits.

Personal Protective Measurers

Respiratory protection: If the exposure levels are exceeded and irritation is experienced an approved dust/mist respirator appropriate for the form and concentration of the contaminants should be used. In the USA refer to OSHA regulations, in the EU refer to EN Standards (EN 149 or 405). Selection and use of respiratory equipment must be in accordance with applicable regulations and good industrial hygiene practice.

Skin protection: Wear impervious gloves such as neoprene gloves to prevent skin contact. In the EU refer to EN 374.

Eye protection: Wear chemical safety goggles if splashing is possible. In the EU refer to EN 166.

Other: Impervious clothing as needed to avoid contamination of personal clothing.

Section 9 Physical and Chemical Properties.

9.1 Information on basic Physical and Chemical Properties

Appearance: Clear liquid

Odor: Sharp odor.

Odor threshold: 4.58 ppm (acetone)

Melting point/freezing point: Not available

Flash point: -4°F (-20°C)

Flammability (solid, gas): Not applicable

Flammable limits: LEL: 1.05% (heptane)

Vapor pressure: Not available

Relative density: 1.24

Partition coefficient: n-octanol/water: Not available

Decomposition temperature: Not available

Explosive Properties: Not applicable

pH: Not available

Boiling point: 49°F (9.4°C)

Evaporation rate: 2.3 (butyl alcohol =1)

UEL: 12.8% (acetone)

Vapor density (air = 1): 4.53

Solubility In Water: Negligible

Auto-ignition temperature: 545°F (285°C)
(heptane)

Viscosity: Not applicable

Oxidizing Properties: Not applicable

9.2 Other Information: None available

Section 10 Stability and Reactivity.

10.1 Reactivity: None known.

10.2 Chemical stability: Stable

10.3 Possibility of hazardous reactions: None known.

10.4 Conditions to avoid: Keep away from heat and all sources of ignition.

10.5 Incompatible materials: Avoid oxidizing agents and acids.

10.6 Hazardous decomposition products: Thermal decomposition may produce carbon oxides.

Section 11 Toxicological Information.

11.1 Information on Toxicological Effects:

Potential Health Effects:

Eyes: May cause irritation with redness, tearing and stinging.

Skin: May cause skin irritation. Prolonged contact may cause drying of the skin.

Ingestion: Ingestion may cause mucous membrane and gastrointestinal irritation and nervous system depression with symptoms of headache, dizziness, nausea, narcosis and unconsciousness. Aspiration during swallowing or vomiting may cause lung damage.

Inhalation: Inhalation of vapors may cause mucous membrane and respiratory irritation and central nervous system depression with symptoms of headache, dizziness, giddiness, intoxication, nausea, vomiting, disorientation, stupor and unconsciousness.

Chronic Health Effects: None known.

Mutagenicity: None of the components have been shown to cause mutagenic activity.

Reproductive Toxicity: None of the components have been shown to reproductive or developmental toxicity.

Carcinogenicity: None of the components of this product are listed as carcinogens by OSHA, IARC or NTP.

Acute Toxicity Data:

Acute Toxicity Estimate: Oral : >5000 mg/kg, Inhalation >29.29 mg/L/4 hr, Dermal >2000 mg/kg

Heptane: Oral rat LD50 >5000 mg/kg; Inhalation rat LC50 >29.29 mg/L/4 hr, Dermal rabbit LD50 >2000 mg/kg

Acetone: Oral rat LD50 5800 mg/kg; Inhalation rat LC50 50.1 mg/L/4 hr, Dermal rabbit LD50 >7426 mg/kg

Section 12 Ecological Data.

12.1 Ecotoxicity:

Heptane: 96 hr LL50 *Oncorhynchus mykiss* 5.736 mg/L (estimated), 48 hr LD50 *daphnia magna* 1.5 mg/L, 72 hr EL50 *Pseudokirchnerella subcapitata* 4.338 mg/L (estimated)

Acetone: 96 hr LC50 *Pimephales promelas* 8120 mg/L, 48 hr LD50 *Daphnia pulex* 8800 mg/L

12.2 Persistence and degradability: Heptane and acetone are readily biodegradable.

12.3 Bioaccumulative potential: Acetone has a BCF of 3. Heptane has a BCF of 330. There is a potential for this product to bioaccumulate on aquatic organisms.

12.4 Mobility in soil: Acetone are highly mobile in soil. Heptane is moderately mobile in soil.

12.5 Results of PBT and vPvB assessment: Components do not meet the criteria of PBT or vPvB.

12.6 Other adverse effects: Not required.

Section 13 Disposal Considerations.

13.1 Waste Treatment Methods: Dispose in accordance with all national and local regulations.

Section 14. Transport Information.

	14.1 UN Number	14.2 UN Proper Shipping Name	14.3 Hazard Class(s)	14.4 Packing Group	14.5 Environmental Hazards
US DOT	UN1993	Flammable liquid, n.o.s. (heptane, acetone)	3	PG II	No
Canadian TDG	UN1993	Flammable liquid, n.o.s. (heptane, acetone)	3	PG II	No
EU ADR/RID	UN1993	Flammable liquid, n.o.s. (heptane, acetone)	3	PG II	Yes
IMDG	UN1993	Flammable liquid, n.o.s. (heptane, acetone)	3	PG II	Marine Pollutant
IATA/ICAO	UN1993	Flammable liquid, n.o.s. (heptane, acetone)	3	PG II	No

14.6 Special precautions for User: Not applicable

14.7 Transport in Bulk According to Annex III MARPOL 73/78 and the IBC Code): Not applicable – product is transported only in packaged form.

Section 15 Regulatory Information.

15.1 Safety, Health and Environmental Regulations/Legislation Specific for the Substance or Mixture

US Regulations

SARA Section 313 (40 CFR 372): This product contains the following toxic chemical(s) subject to reporting requirements of SARA 313: None

SARA Section 311/312 (40 CFR 370) Hazard Categories: Refer to Section 2 for the OSHA Hazard Classification

Comprehensive Environmental Response and Liability Act of 1980 (CERCLA): This product has a Reportable Quantity (RQ) of 25,000 lbs. based on the RQ for acetone of 5,000 lbs. Releases above the RQ must be reported to the National Response Center. Many states have more stringent release reporting requirements. Report spills required under federal, state and local regulations.

Toxic Substances Control Act (TSCA): All of the components of this product are listed on the TSCA inventory

California: This product contains the following substances known to the state of California to cause cancer and/or reproductive toxicity: None

Canadian Regulations

Canadian Environmental Protection Act: All of the components of this product are listed on the Canadian Domestic Substances List (DSL) or has a quantity limitation.

International Chemical Inventories

Australia: Information not available for this product.

China: All of the components in this product are listed on the Inventory of Existing Chemical Substances in China (IECSC) or exempt.

European Union: All the components in this product are listed on the EINECS inventory or exempt.

Korea: Information not available for this product.

New Zealand: Information not available for this product.

Philippines: Information not available for this product.

15.2 Chemical safety assessment: None required.

16. Other Information.

HMIS Rating: Health 2 Flammability 3 Reactivity 0
Hazard: 4-Severe; 3-Serious; 2-Moderate; 1-Slight; 0-Minimum

CLP/GHS Classification and H Phrases for Reference (See Section 3)

Flam Liq 2 Flammable Liquid Category 2

Asp. Tox. 1 Aspiration Toxicity Category 1

Skin Irrit 2 Skin Irritation Category 2

Eye Irrit 2 Eye Irritation Category 2

STOT SE 3 Specific Target Organ Toxicity Single Exposure Category 3

Aquatic Acute 1 Aquatic Acute Toxicity Category 1

Aquatic Chronic 1 Aquatic Chronic Toxicity Category 1

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