

SAFETY DATA SHEET

FIXATE™

SDS DATE: 4/09/2015

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: FIXATE™

DISTRIBUTOR: CHS Inc.
ADDRESS: 5500 Cenex Drive. Inver Grove Heights, MN 55077
PHONE: (651) 355-6000

EMERGENCY CHEMTREC PHONE: US: 1-800-424-9300 International: 1-202-483-7616

CHEMICAL NAME: Proprietary mixture
CHEMICAL FAMILY: Molecular addition compound/surfactant solution
CHEMICAL FORMULA: Mixture

PRODUCT USE: Pest control adjuvant

SECTION 1 NOTES: None

SECTION 2: HAZARDOUS INGREDIENTS

GHS Ratings:

Toxicity Categories

Acute toxicity (Oral)	Category 4
Skin corrosion/irritation	Category 1C
Eye damage/irritation	Category 1
Corrosive to metal	Category 1



Signal Word: DANGER

GHS HAZARDS

H290 May be corrosive to metals.
H302 Harmful if swallowed.
H314 Causes severe skin burn and eye damage.
H318 Causes serious eye damage.

GHS PRECAUTIONS

P102 Keep out of reach of children.
P103 Read label before use.
P233 Keep container tightly closed.
P234 Keep only in original container.
P260 Do not breathe dust, fume, gas, mist, vapors or spray.
P264 Wash hands thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.
P280 Wear protective gloves, protective clothing, eye protection and face protection.
P301+330+331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P302+361+353 IF ON SKIN: (or hair): Remove or take off immediately all contaminated clothing. Rinse skin with water or shower.
P304+340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305+351+338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do then continue rinsing cautiously.
P310 Immediately call a POISON CENTER, doctor or physician.
P330 Rinse mouth.
P361 Remove or take off immediately all contaminated clothing.
P363 Wash contaminated clothing before reuse.
P390 Absorb spillage to prevent material damage.
P402 Store in a dry place.
P403+235 Store in a well ventilated place. Keep cool.
P405 Store locked up.
P406 Store in a corrosive resistant HDP, stainless steel or polypropylene container with a resistant inner liner.
P501 Dispose of contents in container to an approved waste disposal facility in accordance with all local, regional, national and international regulations.

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SECTION 3: HAZARDS IDENTIFICATION

INGREDIENT	CAS NO.	% WT
Urea, sulfate 1:1	21351-39-3	50 – 60%
Glycerine	56-81-5	10 – 15%
Proprietary	Proprietary	5 – 10%
Proprietary	Proprietary	1 – 5%
Citric acid	77-92-9	1 – 5%

NOTE: Product does NOT contain any pesticides or pest control agents.

SECTION 3 NOTES: These specific chemical identity and or exact percentage (concentration) of composition has been withheld as a trade secret.

CARCINOGENICITY

OSHA: No ACGIH: No NTP: No IARC: No OTHER: No

SECTION 4: FIRST AID MEASURES

Have the product container with you when calling a poison control center or doctor, or going for treatment.

EYE CONTACT- IF IN EYES: Immediately call a POISON CENTER, doctor or physician. Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do then continue rinsing.

SKIN CONTACT - IF ON SKIN OR CLOTHING: Remove or take off immediately all contaminated clothing. Rinse skin with water or shower. Call a poison center, doctor or physician to specify the appropriate source of emergency medical advice.

INGESTION - IF SWALLOWED: Immediately call a poison center, doctor or physician to specify the appropriate source of emergency medical advice. Unless advised otherwise by a poison control center or doctor, have person rinse mouth with water, if able. Do not give anything by mouth to an unconscious person. Do NOT induce vomiting.

INHALATION - IF INHALED: If breathing is difficult, remove person to fresh air and keep at rest in a position comfortable for breathing. If person is not breathing, call 911 or an ambulance, and then give artificial respiration, preferably mouth to mouth if possible.

NOTES TO PHYSICIANS OR FIRST AID PROVIDERS:

SECTION 4 NOTES: None

SECTION 5: FIRE FIGHTING MEASURES

NFPA HAZARD CLASSIFICATION

HEALTH: 2 FLAMMABILITY: 1 REACTIVITY: 0 OTHER: -

IN CASE OF FIRE: Water, carbon dioxide, dry chemical or foam.

SPECIAL FIRE FIGHTING PROCEDURES: Use full turn-out gear and self-contained breathing apparatus. Dike and collect water using media appropriate for acidic water.

UNUSUAL FIRE AND EXPLOSION HAZARDS: None known

HAZARDOUS DECOMPOSITION PRODUCTS: Under fire conditions, oxides of carbon, sulfur and nitrogen.

SECTION 5 NOTES: None

SECTION 6: ACCIDENTAL RELEASE MEASURES

ACCIDENTAL RELEASE MEASURES: Absorb spillage to prevent material damage. Surround and absorb all spills. Material should be collected and disposed in proper manner. Dike the area to prevent spill from spreading. Soak up spill with a suitable absorbent such as clay, sawdust or kitty litter. Sweep up absorbed material and place in a chemical waste container for disposal. Wear suitable protective equipment.

SECTION 6 NOTES: None

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SECTION 7: HANDLING AND STORAGE

HANDLING

Keep out of reach of children. Read label before use. Do not eat, drink or smoke when using this product. Do not breathe dust, fume, gas, mist, vapors or spray. Wash hands thoroughly after handling. Wear protective gloves, protective clothing, eye protection and face protection. Wash contaminated clothing before reuse.

STORAGE:

Store locked up. Store in a corrosive resistant HDP, stainless steel or polypropylene container with a resistant inner liner. Store in a dry place. Store in a cool well ventilated place. Keep in original container tightly closed. Do not reuse empty container. Do not store with food, feed, or other material to be used or consumed by humans or animals. Do not contaminate water supplies. For optimal storage, store between 40° and 90° F.

SECTION 7 NOTES: None

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Contains no substances with occupational exposure limit values

VENTILATION:

Local exhaust ventilation recommended if generating vapor, dust, or mist. If exhaust ventilation is not available or inadequate, use OSHA or NIOSH approved respirator as appropriate.

RESPIRATORY PROTECTION:

Not necessary unless ventilation is inadequate. Then use OSHA or NIOSH approved respirator, as appropriate.

EYE PROTECTION:

Chemical goggles and face shield.

SKIN PROTECTION:

Acid impermeable gloves, long-sleeved shirts and pants, apron.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Eye wash and safety shower should be easily accessible.

WORK HYGIENIC PRACTICES:

Wash thoroughly with soap and water after handling product and before eating, drinking, or using tobacco products. Clean affected clothing, shoes, and protective equipment before reuse.

EXPOSURE GUIDELINES:

If exposed, see section 4 for acute exposure first aid.

SECTION 8 NOTES: None

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:

Clear viscous

FLAMMABLE LIMITS IN AIR, UPPER: Unknown
(% BY VOLUME) LOWER: Unknown

ODOR:

None

ORDER THRESHOLD:

Not known

VAPOR PRESSURE (mmHg):

@
F: Unknown
C: Unknown

PHYSICAL STATE:

Liquid

VAPOR DENSITY (AIR = 1):

@
F: Unknown
C: Unknown

pH AS SUPPLIED: pH (Other):

Not applicable

INITIAL BOILING POINT:

F: Unknown
C: Unknown

RELATIVE DENSITY:

1.347 to 1.375

BOILING POINT RANGE:

F: Unknown
C: Unknown

EVAPORATION RATE: BASIS (butyl acetate=1):

Unknown

MELTING POINT:

F: Unknown
C: Unknown

SOLUBILITY IN WATER:

Soluble

FREEZING POINT:

F: Unknown
C: Unknown

PARTITION COEFFICIENT: n-octanol/water):

Unknown

AUTO-IGNITION TEMPERATURE:

Unknown

FLASH POINT:

F: >200
C: >93

DECOMPOSITION TEMPERATURE:

Unknown

VISCOSITY:

@ Not determined
F: Unknown
C: Unknown

METHOD USED:

PMCC

FLAMMABILITY (solid, gas):

Can burn

SECTION 9 NOTES: Values are not product specifications.

Note: These physical data are typical values based on material tested but may vary from sample to sample. Typical values should not be construed as a guaranteed analysis of any specific lot or as specification items.

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SECTION 10: STABILITY AND REACTIVITY

STABILITY: Stable ☒ Unstable ☐

CONDITIONS TO AVOID (STABILITY): This material may vigorously decompose releasing carbon dioxide gas if heated above 230-300°F.

INCOMPATIBILITY (MATERIAL TO AVOID): Avoid contact with oxidizers. May be extremely hazardous in contact with chlorates. This material is corrosive to metal. Avoid contact with nitrates, hypochlorite's (e.g., chlorine bleach), sulfides, or cyanides which will generate toxic gases. Contact with alkaline materials (e.g., aqua ammonia and caustics) will generate heat.

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: Under fire conditions, oxides of carbon, nitrogen and sulfur.

Small amounts of carbon dioxide will be released under normal conditions. Vented caps should be used on all containers and vessels

HAZARDOUS POLYMERIZATION: Will not occur

CONDITIONS TO AVOID (POLYMERIZATION): None known

SECTION 10 NOTES: None

SECTION 11: TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION: Not available

MIXTURE TOXICITY Not available

COMPONENT TOXICITY Not available

SECTION 11 NOTES: None

SECTION 12: ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION: Not available

ECOTOXICITY: Not available

BIOACCUMULATIVE POTENTIAL: Not available

MOBILITY IN SOIL: Not available

OTHER ADVERSE EFFECTS: Not available

SECTION 12 NOTES: None

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: Do not contaminate water, food or feed by storage or disposal. Dispose of contents in container to an approved waste disposal facility in accordance with all local, regional, national and international regulations.

CONTAINER DISPOSAL: Triple rinse (or equivalent) adding rinse water to application tank. Offer container for recycling or dispose of in a sanitary landfill or by other procedures approved by local regulations.

RCRA HAZARD CLASS: None

SECTION 13 NOTES: None

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SECTION 14: TRANSPORT INFORMATION

U.S. DEPARTMENT OF TRANSPORTATION

DOT Shipping Description: DOT CORROSIVE TO ALUMINUM. NOT REGULATED WHEN TRANSPORTED BY MOTOR VEHICLE OR RAILCAR IN PACKAGING THAT WILL NOT REACT WITH OR BE DEGRADED BY THIS MATERIAL - 49 CFR 173.154 (d).

U.S. Surface Freight Classification: ADHESIVES, ADJUVANTS, SPREADERS OR STICKERS (NMFC 4610; CLASS: 60) Consult appropriate ICAO/IATA and IMDG regulations for shipment requirements in the Air and Maritime shipping modes.

OTHER AGENCIES: None

SECTION 14 NOTES: None

SECTION 15: REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS

TSCA (TOXIC SUBSTANCE CONTROL ACT): Mixture not listed

CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT): Not Regulated

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT): Not Regulated

311/312 HAZARD CATEGORIES: None

313 REPORTABLE INGREDIENTS: None

INTERNATIONAL REGULATIONS: None

SECTION 15 NOTES: None

SECTION 16: OTHER INFORMATION

OTHER INFORMATION: None

DISCLAIMER:

The recommendation for safe handling and protection procedures is believed to be generally suitable for the standard uses of this compound. However, each user should identify his intended uses of this material and determine whether they are appropriate. All data included in this document is released as typical values and should not be utilized to determine the suitability of this material for a particular use or purpose. No warranty, either expressed or implied, is hereby made, nor do we give permission, inducement, or recommendations to practice any patented invention without a license. All data is offered for consideration, investigation and verification purposes only.