

SAFETY DATA SHEET

AXON™

SDS DATE: 9/26/2016

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: AXON™
DISTRIBUTOR: CHS Inc.
ADDRESS: 5500 Cenex Drive • Inver Grove Heights, MN 55077
PHONE: 651-355-6000
EMERGENCY PHONE: 1-252-523-9090
CHEMICAL NAME: Proprietary mixture
CHEMICAL FAMILY: Surfactant/ Basic blend
CHEMICAL FORMULA: Mixture
PRODUCT USE: Adjuvant
SECTION 1 NOTES: None

SECTION 2: HAZARDS IDENTIFIED

GHS Ratings:

Toxicity Categories

Skin corrosion/ irritation Category 2
Eye damage/ irritation Category 2A



Signal Word: **WARNING**

GHS HAZARDS

H315 Causes skin irritation.
H319 Causes serious eye irritation.

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.
P261 Avoid breathing 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+312 IF SWALLOWED: Call a POISON CENTER, doctor or physician if you feel unwell.
P302+352 IF ON SKIN: Wash with plenty of soap and water.
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.
P337+313 If eye irritation persists: Get medical advice or attention.
P332+313 If skin irritation occurs: Get medical advice or attention.
P362 Take off contaminated clothing and wash it before reuse.

SECTION 3: INFORMATION ON INGREDIENTS

<u>INGREDIENT</u>	<u>CAS NO.</u>	<u>% WT</u>
Proprietary	Proprietary	5 – 10%
Trade secret	Trade secret	20 – 30%
Propionic Acid	79-09-4	5 – 10%
Ammonium hydroxide	1336-21-6	1 – 5%

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

SECTION 3 NOTES: These specific chemical identities and or exact percentage (concentration) of composition have 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.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do then continue rinsing. If eye irritation persists: Get medical advice or attention.

IF ON SKIN OR CLOTHING: Take off contaminated clothing and wash it before reuse. Wash with plenty of soap and water for several minutes. Call a poison center, doctor or physician to specify the appropriate source of emergency medical advice. If skin irritation occurs: Get medical advice or attention.

IF SWALLOWED: 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.

IF INHALED: Remove victim 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: Use water spray, dry chemical, or Carbon dioxide.

SPECIAL FIRE FIGHTING PROCEDURES: Wear self-container breathing apparatus and avoid breathing fumes or dust.

UNUSUAL FIRE AND EXPLOSION HAZARDS: None known

HAZARDOUS DECOMPOSITION PRODUCTS: Under fire conditions will form oxides of carbon.

SECTION 5 NOTES: None

SECTION 6: ACCIDENTAL RELEASE MEASURES

ACCIDENTAL RELEASE MEASURES: 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

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. Avoid breathing dust, fume, gas, mist, vapors or spray. Wash hands thoroughly after handling. Wear protective gloves, protective clothing, eye protection and face protection.

STORAGE: 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

	OSHA		ACGIH		NIOSH	
	PEL	STEL	PEL	STEL	PEL	STEL
Propionic Acid 79-09-4			10 ppm TWA		10 ppm TWA; 30 mg/m ³ TWA 15 ppm STEL; 45 mg/m ³ STEL	

- VENTILATION:** Normal room ventilation (mechanical) or outdoor use should be satisfactory.
- RESPIRATORY PROTECTION:** Not necessary unless ventilation is inadequate. Then use OSHA or NIOSH approved respirator, as appropriate.
- EYE PROTECTION:** Chemical goggles. 
- SKIN PROTECTION:** Chemical gloves, long-sleeved shirts and pants. 
- 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, light blue | FLAMMABLE LIMITS IN AIR, UPPER: | Unknown |
| ODOR: | Slight ammonia | (% BY VOLUME) | LOWER: Unknown |
| ORDER THRESHOLD: | Not known | VAPOR PRESSURE (mmHg): | @ |
| PHYSICAL STATE: | Liquid | | F: Unknown |
| pH AS SUPPLIED: | Not applicable | VAPOR DENSITY (AIR = 1): | @ |
| pH (Other): | | | F: Unknown |
| INITIAL BOILING POINT: | F: Unknown | RELATIVE DENSITY: | 1.131 to 1.158 |
| | C: Unknown | EVAPORATION RATE: | Unknown |
| BOILING POINT RANGE: | F: Unknown | BASIS (butyl acetate=1): | |
| | C: Unknown | SOLUBILITY IN WATER: | Soluble |
| MELTING POINT: | F: Unknown | PARTITION COEFFICIENT: (n-octanol/water): | Unknown |
| | C: Unknown | AUTO-IGNITION TEMPERATURE: | Unknown |
| FREEZING POINT: | F: Unknown | DECOMPOSITION TEMPERATURE: | Unknown |
| | C: Unknown | VISCOSITY: | @ Not determined |
| FLASH POINT: | F: >200 | | F: Unknown |
| | C: >93 | | 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): None known.

INCOMPATIBILITY (MATERIAL TO AVOID): None known.

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: Stable except when exposed to the above materials or fire conditions.

HAZARDOUS POLYMERIZATION: Will not occur

CONDITIONS TO AVOID (POLYMERIZATION): None known

SECTION 10 NOTES: None

SECTION 11: TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION: None

MIXTURE TOXICITY Not available

COMPONENT TOXICITY Not available

SECTION 11 NOTES: None

SECTION 12: ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION: None

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:

NOT REGULATED AS CORROSIVE WHEN TRANSPORTED BY MOTOR VEHICLE OR RAILCAR IN PACKAGING THAT WILL NOT REACT WITH OR BE DEGRADED BY THIS MATERIAL SUCH AS HDPE OR STAINLESS STEEL - 49 CFR 173.154 (d).

Average rate of corrosion for STEEL Coupon test 0.4316 mm/yr
Average rate of corrosion for ALUMINUM ALLOY Coupon test .0231 mm/yr

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 or excluded from listing

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.