



Walla Walla Environmental, Inc.

MATERIAL SAFETY DATA SHEET

WALLA WALLA ENVIRONMENTAL, INC.,
P.O. BOX 1298
WALLA WALLA, WA 99362
Emergency Telephone: 509-522-0490

PRODUCT NAME: W²E CAT-30 COAGULANT

Revision Date: January 3, 2006

PRODUCT IDENTIFICATION

SUBSTANCE: Aluminum Chlorhydrate
FORMULA: Proprietary
CHEMICAL FAMILY: Inorganic basic salt, solution

INGREDIENTS

Aluminum Chlorhydrate
Water

CAS

12042 - 91 - 0
7732-18-5

All Ingredients Are Listed On The TSCA Chemical Substance Inventory

PHYSICAL DATA (TYPICAL)

BOILING POINT:	110 C (230 F)
pH (15% w/w):	4.0 - 4.5
MELTING POINT:	- 7 C (20 F)
SOLUBILITY IN WATER:	Complete
SPECIFIC GRAVITY:	1.34
VAPOR PRESSURE:	None Found
% VOLATILE:	50% (water)
EVAPORATION RATE:	None Found
FORM:	Liquid
COLOR:	Colorless
ODOR:	None

FIRE AND EXPLOSION HAZARDS

FLASH POINT :	Not Applicable
FLAMMABLE LIMITS IN AIR: (% by Volume)	UFL : Not Applicable LFL : Not Applicable
EXTINGUISHING MEDIA:	Will not burn; use materials appropriate for surrounding fire.
SPECIAL FIRE FIGHTING INSTRUCTIONS :	Cool exposed tanks with water
SPECIAL FIRE AND EXPLOSION HAZARDS:	Possible formation of hazardous chlorine compounds.

REACTIVITY

STABILITY: Stable
DECOMPOSITION: Will not occur.
POLYMERIZATION: Will not occur.
INCOMPATIBILITY: None Found.

HEALTH HAZARDS

EXPOSURE LIMITS : Not specifically regulated as toxic or hazardous by OSHA. The ACGIH TLV for mists and dusts of soluble aluminum salts is 2mg/m³ as Al (8 hour time weighted average.)
CARCINOGENICITY : None of the components of this material are listed as a carcinogen by LARC, NTP, OSHA or ACGIH.

TOXICOLOGY

INGESTION : Effects of small amounts are negligible; large amounts may injure slightly.
EYE CONTACT : Eye contact results in mild irritation and redness.
SKIN CONTACT : Skin contact may cause irritation. Skin may dry or crack due to astringent nature of material.
INHALATION : Although unlikely to occur, inhalation may result in an adverse reaction to persons previously sensitized to the material.

FIRST AID

EYE : Immediately flush eyes for 15 minutes with plenty of water. Call a physician.
SKIN : Flush skin with water. Remove contaminated clothing; wash before reuse.
INHALATION : Remove to fresh air.
INGESTION : None needed.

PERSONAL PROTECTION

Adequate general ventilation should be provided to keep vapor and mists below exposure limits.

Wear safety glasses with side shields. Wear a face shield if possibility of material splashing or spraying exists. Where there is possibility of skin contact, use the following as appropriate: gloves impervious to material, apron, boots, hood, pants and jacket. Wear a NIOSH/OSHA approved respirator with a dust/mist cartridge if there is potential of exposure to mists in excess of applicable limits.

SPILL/LEAK PROCEDURE

Review safety precautions before proceeding with cleanup. Use appropriate personal protection equipment.

Dike area around spill to prevent spreading, and use absorbent material to pick up spill.

DISPOSAL : Under the Resource Conservation and Recovery Act (RCRA), it is the responsibility of the user to determine whether a substance should be classified as a hazardous waste at the time of disposal. This is due to the fact that product use, transformation, synthesis, mixtures, etc. may change the nature of the product. Dispose of waste in accordance with applicable federal, state and local laws.

SHIPPING INFORMATION

DOT
PROPER SHIPPING NAME: Not Applicable.
HAZARD CLAS: Not Applicable.
UN/NA #: Not Applicable.
DOT LABEL: Not Applicable
DOT PLACARDS: Not Applicable.
STORAGE CONDITIONS: Keep containers closed.

TITLE III HAZARD CLASSIFICATIONS

ACUTE: No
CHRONIC: No

FIRE: No
REACTIVITY: No
PRESSURE: No

EXTREMELY HAZARDOUS SUBSTANCE: No
CERCLA HAZARDOUS SUBSTANCE: No
TOXIC CHEMICAL: No

NFPA/HMIS RATINGS: HEALTH 1; FLAMMABILITY 0; REACTIVITY 0

Personal protection rating to be supplied by user depending on use conditions.

ADDITIONAL INFORMATION AND REFERENCES

This Material Safety Data Sheet refers only to the specific material designated herein, and does not relate to use in combination with any other material or in any process.

