

MSDS *Material Safety Data Sheet*

Applied Chemical Specialties

ACS-LX

MSDS Number: 11571-LX

Revision Date: 1/31/2013

Page 1 of 5

1

PRODUCT AND COMPANY IDENTIFICATION

Manufacturer

Vendor

Applied Chemical Specialties
9230 Burt Street
Ste:306
Omaha, NE 68114

Phone: 402-571-3360
Web: www.norosion.com

Product Name: ACS-LX
Revision Date: 1/31/2013
Version: 1
MSDS Number: 11571-LX
Common Name: AN AQUEOUS SOLUTION OF NITRITES, NITRATES AND SODIUM METABORATE

EMERGENCY CONTACT TELEPHONE NUMBERS 24hrs/7
Adverse Medical: 1-800-752-7869 (24hr poison control call center)
Transport Response:
CHEMTREC 1-800-424-9300.
CHEMTREC International 703-527-3887 (collect)

2

HAZARDS IDENTIFICATION

Route of Entry: Skin Contact, Skin absorption, inhalation, eye contact, ingestion

Target Organs: None Known

Inhalation: Minimal respiratory tract irritation may occur with exposure to a large amount of material

Skin Contact: Prolonged or repeated exposures can irritate skin. Reaction may be more severe if there is a skin abrasion(s). Allergic sensitization in susceptible individuals is possible.

Eye Contact: Will cause irritation upon contact

Ingestion: Irritating to mouth, throat, and stomach. May cause discomfort, nausea, vomiting and diarrhea.
Aspiration hazard: Harmful or fatal if swallowed.

CARCINOGENICITY: Product is not considered a carcinogen by OSHA, NTP or IARC.

MEDICAL CONDITIONS: Pre-existing eye or skin conditions may be aggravated by over-exposure to this product.

MSDS *Material Safety Data Sheet*

Applied Chemical Specialties

ACS-LX

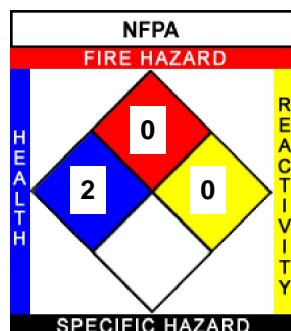
MSDS Number: 11571-LX

Revision Date: 1/31/2013

Page 2 of 5

NFPA:

Health = 2, Fire = 0, Reactivity = 0



3

COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients:

CHEMICAL NAME	CAS NUMBER	PERCENT WEIGHT
SODIUM NITRITE	7632-00-0	1-5%
SODIUM METASILICATE	6834-92-0	1-5%
SODIUM NITRATE	7631-99-4	1-5%
SODIUM METABORATE	10555-76-7	7-13%

4

FIRST AID MEASURES

- Inhalation:** Remove to fresh air. If not breathing, give artificial respiration. Seek medical attention. Inhalation hazard unlikely due to low volatility of product.
- Skin Contact:** Wash area with soap and water. Remove contaminated clothing. Seek medical attention if irritation persists
- Eye Contact:** Immediately flush eyes with plenty of water for 15 minutes. Seek medical attention.
- Ingestion:** DO NOT induce vomiting. Only give CONSCIOUS victim two glasses of water and seek medical attention.

5

FIRE FIGHTING MEASURES

Flash Point: Does Not Flash

Product will not support combustion .

Use any standard agent - choose the one most appropriate for type of surrounding fire.

MSDS *Material Safety Data Sheet*

Applied Chemical Specialties

ACS-LX

MSDS Number: 11571-LX

Revision Date: 1/31/2013

Page 3 of 5

6 ACCIDENTAL RELEASE MEASURES

SPILL/LEAK PROCEDURES: Notify safety personnel, evacuate all unnecessary personnel, and provide adequate ventilation. If feasible, and without risk, clean-up personnel should stop leak. All clean up personnel should wear proper personal protective equipment.

SMALL SPILLS: Clean with inert absorbent and place in recovery drums for disposal.

LARGE SPILLS: Dike to prevent further migration of material. DO NOT release into waterways or sewers. Follow applicable federal and state regulations.

7 HANDLING AND STORAGE

Handling Precautions: Wash thoroughly after handling. Do not get into eyes, on skin or on clothing. Do not smoke while using this product. Do not use near excessive heat, sparks, or open flame.

Storage Requirements: Store in clean, dry locations away from excessive heat.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls: Eye wash station and safety shower.

Strong general ventilation or local exhaust.

Personal Protective Equip:

EYE: Chemical splash goggles with indirect or no ventilation.

SKIN :Chemical resistant gloves such as nitrile.

RESPIRATORY: Organic vapor air purifying respirator if vapors are a nuisance or if the concentrations are above PEL or TLV.

Never eat drink or smoke in the work area.

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Purple

Physical State: Liquid

Spec Grav./Density: 1.095-1.131

pH: 11-11.8

Odor: None

Solubility: Completely

Foam Height: Nil

MSDS *Material Safety Data Sheet*

Applied Chemical Specialties

ACS-LX

MSDS Number: 11571-LX

Revision Date: 1/31/2013

Page 4 of 5

10 STABILITY AND REACTIVITY

Stability: Material is stable.
Conditions to Avoid: Excessive heat and open flame.
Materials to Avoid: Strong oxidizing agents and reducing agents
Hazardous Decomposition: Carbon Monoxide and Carbon Dioxide
Hazardous Polymerization: Cannot occur.

11 TOXICOLOGICAL INFORMATION

LD50
Sodium Nitrite : 120 mg/kg (oral)
Sodium Nitrate : 4300mg/kg (oral)

12 ECOLOGICAL INFORMATION

No data

13 DISPOSAL CONSIDERATIONS

As a waste, this product in its raw form DOES NOT MEET the criteria of a hazardous waste as defined by RCRA (40 CFR 361). All used and unused product and container should be disposed of in accordance with all applicable federal, state, and local regulations. Do not dump in drains, sewers, on the ground, or into any body of water

14 TRANSPORT INFORMATION

DOMESTIC:
Not Regulated

EXPORT:
Not Regulated

Non-hazardous for air, sea and road freight.

MSDS *Material Safety Data Sheet* Applied Chemical Specialties

ACS-LX

MSDS Number: 11571-LX

Revision Date: 1/31/2013

Page 5 of 5

15

REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS

OSHA: Considered to be a hazardous material as defined by 29CFR1910.1200

EPA SARA TITLE III

Section 311-312 (40CFR370): If stored in excess of the threshold quantities, this product should be reported as a(n):

IMMEDIATE (acute) HEALTH HAZARD

Section 313(40CFR372) This product does not contain ingredients which are subject to the reporting requirements of SARA 313.

16

OTHER INFORMATION

CALIFORNIA PROPOSITION 65: This product does not contain ingredients which are on the current Proposition 65 list.

NEW JERSEY RIGHT-TO-KNOW: This product contains the following ingredients which are non-hazardous, but are among the top five ingredients in this product:

-----CAS#-----

7732-18-5: Water

7631-99-4: Sodium Nitrite

7631-00-0: Sodium Nitrate

10555-76-7: Sodium Metaborate

Notes:

USERS RESPONSIBILITY: This MSDS provides environmental, health and safety information. This product is to be used in applications consistent with our product literature and container label. Individuals handling this product should be informed to the recommended safety precautions and have access to this MSDS. Please contact your local sales representative of our EH&S Department for further information.

END OF MSDS