

Issue Date 10-Dec-2014

Revision Date 06-June-2021

Version 4

1- IDENTIFICATION

Product Name CA-7050

Other means of identification

Product Code 057
Synonyms None

Recommended use of the chemical and restrictions on use

Recommended Use Recirculating system "yellow" metal corrosion inhibitor.
Uses advised against No information available

Manufacturer Address

Anderson Chemical Company, 325 South Davis Avenue, Litchfield, MN 55355 (320-693-2477)

Emergency telephone number

Chemtrec 1-800-424-9300

2 - HAZARDS IDENTIFICATION

Classification of chemical:

Clear yellow to light amber liquid, slight triazole amine odor

This material is classified as hazardous under OSHA regulations (29CFR 1910.1200)(Hazcom 2012)

Hazard classification:

Acute Toxicity - Category 4, H302
Skin Corrosion - Category 1C, H314
Serious Eye Damage - Category 1, H318
Reproductive Toxicity - Category 2, H361d

Label elements:

Hazard Pictograms:



Signal word: Danger

Hazard statements:

Harmful if swallowed
Causes severe skin burns and eye damage
Suspected of damaging the unborn child

Precautionary statements:

Do not handle until all safety precautions have been read and understood
 Do not breathe mist/vapors/spray
 Wash contact area thoroughly after handling
 Wear protective goggles, gloves, apron and vapor respirator
 Do not eat, drink or smoke when using this product
 Obtain special instructions before use

Immediately call a POISON CENTER or doctor/physician
 Specific treatment (see Section 4 on this label)
 IF SWALLOWED: Rinse mouth. DO NOT induce vomiting.
 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
 Wash contaminated clothing before reuse.
 IF INHALED: Remove person to fresh air and keep comfortable for breathing
 IF exposed or concerned: Get medical advice/attention.
 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact, if present and easy to do.
 Continue rinsing.
 Store locked up
 Dispose of contents/containers in accordance with local regulations

3 - COMPOSITION/INFORMATION ON INGREDIENTS

<u>Chemical name</u>	<u>CAS #</u>	<u>Concentration</u>
Sodium tolyltriazole	64665-57-2	49.5-51.0 %
Water	7732-18-5	49.0-50.5 %

4 - FIRST AID MEASURES

Description of first aid measures:

Inhalation: IF INHALED: Remove from exposure, get fresh air. If problems remain or occur later, get medical attention. Self-Contained Breathing Apparatus should be worn if exposed to large quantities.
Skin Contact: IF ON SKIN: Wash off skin thoroughly with water. Remove contaminated clothing and wash before re-use.
Eye Contact: For eye contact, flush eyes with water for 15 minutes. Get medical attention if irritation persists.
Ingestion: Wash out mouth thoroughly with water and give plenty of water to drink. DO NOT induce vomiting unless told by a medical professional. Obtain medical attention.

Symptoms and effects, both acute and delayed:*Acute:*

Eye Contact: burning, swelling or pain
 Skin Contact: redness, itching or swelling
 Ingestion: severe pain, vomiting, diarrhea or collapse
 Inhalation: irritation to respiratory tract

Chronic:

Repeated exposure to eyes or skin may cause destruction of tissue, corneal damage or conjunctivitis.

5 - FIRE-FIGHTING MEASURES

Extinguishing media:

Suitable extinguishing media: Carbon dioxide, dry-chemical or universal type foam
Unsuitable extinguishing media: Do not use a solid water stream as it may scatter and spread fire

Special hazards arising from the substance: Incompatible with oxidizing agents

Hazardous combustion products: None

Special protective equipment and precautions for firefighters: Use Carbon Dioxide Extinguisher (suitable for class B and C fires) or Multi-Purpose Dry Chemical Extinguisher (suitable for class A, B and C fires)

6 - ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures: Any/all persons dealing with the spill should wear appropriate personal protective equipment. Keep others away from spill/leak. Restrict access to area until the spill has been cleaned up.

Methods and material for containment and cleaning up: Use proper personal protective equipment. Isolate and secure the area and follow the appropriate emergency guidelines. If local high concentration of airborne mist occurs, dilute spill with plenty of water and ventilate to disperse mist-laden air. Sweep up spill and reclaim or place in a covered waste disposal container. Report spill to proper authorities.

7 - HANDLING AND STORAGE

Precautions for safe handling: Obtain special instructions before use. Wear proper personal protective equipment. Use only in well ventilated areas. Do not breathe vapors or spray mist. Avoid contact with skin, eyes and clothing. Keep away from heat, sparks and open flame.

Conditions for safe storage: Store in cool, dry, ventilated area away from any heat source. Storage area should be clearly identified and free of obstruction. Keep containers tightly closed and in an upright position when not in use.

Incompatible materials: Oxidizing agents

Other precautions: Product can freeze at temperatures at or below -15°C (5°F).

Section 7 notes: Change contaminated clothing. Wash hands well after working with substance.

8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure limits: Limits for sodium tolyltriazole have not been established by OSHA and ACGIH

Exposure controls:

Ventilation and engineering measures: Use ventilation if possible, e.g., fans or exhaust systems to keep vapor levels below recommended exposure limits.

Respiratory protection: If good ventilation is not available, wear a respiratory device approved by NIOSH/MSHA for protection against organic vapors, mists and dust. If handling large quantities, use a certified SCBA apparatus.

Eye protection: Wear safety glasses with un-perforated side shields.

Skin protection: Wear chemical resistant gloves for long and repeated contact. Contaminated clothing and shoes should be cleaned before reusing.

Other protective equipment: Safety shower/eye wash

General hygiene considerations: Acceptable industrial hygiene practices should be maintained.

9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Clear to light yellow liquid

Odor: Slight amine triazole odor

Odor threshold: Data currently unavailable

Product pH: 13.3

pH@ 10%: 11.5 - 12.0
Freezing point: -15°C
Boiling point: 160 °C @ 2 mm Hg
Vapor pressure (EPIWIN): 0.0533 hPa @ 20°C
Vapor density: 5.2
Evaporation rate: < 1 (Butyl Acetate = 1)
Flash point: 120°C; 260°F
Upper/lower flammability limits: Information not available
Solubility in water: Miscible
Other solubilities: Soluble in methanol, ethanol and acetone
Percent volatile: 50%
Log P (octanol-water): Log K_{ow}: 0.658
Relative density 1.190
Autoignition temperature: 413°C; 775°F
Decomposition temperature: Data currently unavailable
Viscosity (cSt @ 25°): 32.5
Gibbs energy: 441.44 kJ/mol

Spectral properties: Data currently unavailable

Section 9 notes: The above chemical properties are a compilation of data

10 - STABILITY AND REACTIVITY

Reactivity: > 400°C

Stability: Stable under normal conditions

Conditions to avoid: Oxidizing Agents

Incompatible materials: Oxidizing Agents

Hazardous decomposition products or by-products: FIRE: Nitrogen oxides, carbon monoxide and carbon dioxide. HCN in reducing atmospheres

Possibility of hazardous reactions: Hazardous polymerization does not occur.

11 - TOXICOLOGICAL INFORMATION

Information on likely routes of exposure:

Routes of entry - inhalation: yes

Routes of entry - skin & eye: yes

Routes of entry - ingestion: yes

Routes of entry - skin absorption: yes

Potential Health Effects:

Signs and symptoms of short term (acute) exposure:

Signs and symptoms - inhalation: may be irritating to mucous membranes and respiratory tract

Signs and symptoms - ingestion: severe pain, vomiting, diarrhea and collapse

Signs and symptoms - skin: redness, itching or swelling

Signs and symptoms - eyes: redness, burning, swelling, tearing or pain

Mutagenicity: Not expected to be mutagenic in humans

Carcinogenicity: This product and its components are not listed on OSHA, NIOSH, IARC or NTP lists as cancer-causing

Reproductive effects:

Oral route: Adverse effect observed LOAEL 30 mg/kg bw/day (subchronic, rat)

Sensitization to material: Not expected to be a skin sensitizer
No data available to indicate material may be a respiratory sensitizer

Specific target organ effects: No data found

Medical conditions aggravated by overexposure: No data found

Toxicological data:

Oral LD₅₀ (Rat): = 640-1,980 mg/kg bw

Dermal LD₅₀ (Rabbit): > 2,000 mg/kg

Eye irritation (Rabbit): Sodium Hydroxide: Causes severe eye irritation (0.050 mg, 24 hr)

Human toxicity levels: None found

12 - ECOLOGICAL INFORMATION

Ecotoxicity: Acute toxicity of Sodium Tolyltriazole:

Toxicity to fish: LC₅₀/96 hr = 55-180 mg/l

Toxicity to crustacean: EC₅₀/48 hr = 8.58- 15.8 mg/l

Toxicity to algae: EC₅₀/72 hr = 29-75 mg/l

Chronic toxicity to Sodium Tolyltriazole:

Toxicity to fish: Data not available

Toxicity to crustacean: EC₁₀/21 days = 400-970 µg/l

Toxicity to algae: Data not available

Persistence and degradability: Data currently unavailable

Bioaccumulation potential: Log K_{ow}: 0.658

Mobility in soil: Data not available

13 - DISPOSAL CONSIDERATIONS

Waste disposal method: Dispose of in accordance with federal, state and local regulations.

14 - TRANSPORTATION INFORMATION

If shipment is non-bulk per 49 CFR §171.8 then the following information applies:

DOT Shipping: Corrosive liquid, Basic, Organic, N.O.S. (Sodium Tolyltriazole)

DOT Hazard class: 8, PG III

UN/NA Number: UN3267

If shipment is bulk per 49 CFR §171.8 then the following information applies:

DOT Shipping: Corrosive liquid, Basic, Organic, N.O.S. (Sodium Tolyltriazole), Marine Pollutant

DOT Hazard class: 8, PG III

UN/NA Number: UN3267

IATA Shipping: Corrosive liquid, Basic, Organic, N.O.S. (Sodium Tolyltriazole), Marine Pollutant

IATA Hazard class: 8, PG III

UN/NA Number: UN3267

IMDG Shipping: Corrosive liquid, Basic, Organic, N.O.S. (Sodium Tolyltriazole), Marine Pollutant

IMDG Hazard class: 8, PG III

UN/NA Number: UN3267

15 - REGULATORY INFORMATION

U.S. federal regulations

TSCA (Toxic Substance Control Act): Inventory Status: ACTIVE (as of 06/23/2020)
8(c)/40CFR 712 Preliminary Assessment Rule
8(d) Health and Safety Data Rule

EINECS: This product is on the European Inventory of Existing Commercial Chemical Substances 265-004-9

Worldwide Chemical Inventory Status: USA, TSCA, CANADA, AICS, ENCS/MITI, ISHL, ECL, and NZloC

California Proposition 65: None of the components in are in the current P-65 chemicals list.

HMIS hazard classification

Health: 3 **Flammability: 1** **Physical Hazard: 0**
Protection: H

16 - OTHER INFORMATION

Preparation information: Prepared on the 31st of May 2013

Legend: ACGIH: American Conference of Governmental Industrial Hygienists

CAS: Chemical Abstract Service

CFR: Code of Federal Regulations

DOT: Department of Transportation

DSL: Domestic Substance List (Canada)

EC: Effective Concentration

EINECS: European Inventory of Existing Commercial chemical Substances

EPA: Environmental Protection Agency

HMIS: Hazardous Material Identification System

IARC: International Agency for Research on Cancer

LC: Lethal Concentration

LD: Lethal Dose

NIOSH: National Institute of Occupational Safety and Health

NTP: National Toxicology Program

OSHA: Occupational Safety and Health Administration

SCBA: Self Contained Breathing Apparatus

SDS: Safety Data Sheet/Material Safety Data Sheet

Disclaimer

The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet