



Revision Date 02/10/2016

# SAFETY DATA SHEET

REVISION NUMBER: 2

## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

### Product identifier

**Product name** ASSETGUARD C-5234T

### Other means of identification

**Product code** 119746

**UN/ID No.** 3267

**Synonyms** None

### Recommended use of the chemical and restrictions on use

**Recommended Use** Corrosion inhibitor.

**Uses advised against** No information available

### Details of the supplier of the safety data sheet

#### **Manufacturer Address**

Rochester Midland Corporation  
155 Paragon Drive  
Rochester, New York 14624 USA  
(585) 336-2200

#### **Importer**

Rochester Midland Canada Corporation  
143 Mills Road  
Ajax, ON L1S 2H2  
Canada  
905-619-6738

### Emergency telephone number

**EMERGENCY TELEPHONE**  
INFOTRAC: 1-800-535-5053  
OUTSIDE U.S.: +1-352-323-3500  
CANUTEC: 613-996-6666

## 2. HAZARDS IDENTIFICATION

### Classification

#### **Regulatory Status**

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)  
This chemical is considered hazardous by the WHMIS 2015 Hazardous Products Regulation.

Skin corrosion/irritation	Category 1
Serious eye damage/eye irritation	Category 1
Corrosive to metals	Category 1

### Label elements

#### **Emergency Overview**

**DANGER**

#### **Hazard statements**

Causes severe skin burns and eye damage  
May be corrosive to metals

**Appearance** Clear Amber**Physical state** Liquid**Odor** Organic**Precautionary Statements - Prevention**

Do not breathe dust/fume/gas/mist/vapors/spray  
 Wash face, hands and any exposed skin thoroughly after handling  
 Wear protective gloves/protective clothing/eye protection/face protection  
 Keep only in original container

**Precautionary Statements - Response**

Immediately call a POISON CENTER or doctor/physician  
 Specific treatment (see .? on this label)  
 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
 Immediately call a POISON CENTER or doctor/physician  
 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower  
 Wash contaminated clothing before reuse  
 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing  
 Immediately call a POISON CENTER or doctor/physician  
 IF SWALLOWED: Rinse mouth. DO NOT induce vomiting  
 Absorb spillage to prevent material damage

**Precautionary Statements - Storage**

Store locked up  
 Store in corrosive resistant container

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

**Hazards not otherwise classified (HNOC)**

No information available

**Other Information**

**Unknown Acute Toxicity** 14.85% of the mixture consists of ingredient(s) of unknown toxicity

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

PRODUCT COMPOSITION	CAS No.	%	TRADE SECRET
Sodium molybdate	7631-95-0	5 - 10	*
Sodium tolyltriazole	64665-57-2	1 - 5	*
Sodium Zinc tetrahydroxide (Sodium zincate)	12034-31-0	1 - 10	

### 4. FIRST AID MEASURES

**First aid measures****General advice**

Immediately call a POISON CENTER or doctor/physician.

**Eye contact**

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

<b>Skin contact</b>	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse.
<b>Inhalation</b>	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or doctor/physician.
<b>Ingestion</b>	IF SWALLOWED: Rinse mouth. DO NOT induce vomiting.

**Most important symptoms and effects, both acute and delayed**

**Symptoms** No information available.

**Indication of any immediate medical attention and special treatment needed**

**Note to physicians** Treat symptomatically.

## 5. FIRE-FIGHTING MEASURES

**Suitable extinguishing media**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Unsuitable extinguishing media** Caution: Use of water spray when fighting fire may be inefficient.

**Specific hazards arising from the chemical**

No information available.

**Explosion data**

**Sensitivity to Mechanical Impact** None.

**Sensitivity to Static Discharge** None.

**Protective equipment and precautions for firefighters**

Toxic vapors are emitted in a fire condition. As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment and emergency procedures**

**Personal precautions** Wear adequate personal protective equipment, see Section 8, Exposure Controls/Personal Protection.

**Environmental precautions**

**Environmental precautions** Keep out of drains, sewers, streams, or other bodies of water. See Section 12 for additional ecological information.

**Methods and material for containment and cleaning up**

**Methods for containment** Dike to contain. Pick up with absorbant material. Put in suitable container for disposal.

**Methods for cleaning up** Pick up and transfer to properly labeled containers.

## 7. HANDLING AND STORAGE

**Precautions for safe handling**

**Advice on safe handling** Wash thoroughly after handling.

**Conditions for safe storage, including any incompatibilities**

**Storage Conditions** Keep containers tightly closed in a dry, cool and well-ventilated place. Empty containers

may retain product residue, follow SDS/label precautions even after container is emptied.

**Incompatible materials**

Acids. Organic matter. Brass. Copper. Aluminum. Zinc.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Control parameters****Exposure Guidelines**

PRODUCT COMPOSITION	ACGIH TLV	OSHA PEL	NIOSH IDLH
Sodium molybdate 7631-95-0	TWA: 0.5 mg/m <sup>3</sup> Mo respirable fraction	(vacated) TWA: 5 mg/m <sup>3</sup> Mo TWA: 5 mg/m <sup>3</sup> Mo	1000 mg/m <sup>3</sup>

**Appropriate engineering controls****ENGINEERING CONTROLS**

Showers  
Eyewash stations  
Ventilation systems.

**Individual protection measures, such as personal protective equipment****Eye/face protection**

Goggles and face shield are recommended to minimize eye contact.

**Skin and body protection**

Chemical resistant gloves are recommended to minimize skin contact. Appropriate protective clothing as needed to prevent skin contact. It is the responsibility of the end user of this product to determine level of PPE required that is consistent with safe use of this product.

**RESPIRATORY PROTECTION**

If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

**General Hygiene Considerations**

Handle in accordance with good industrial hygiene and safety practice.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Information on basic physical and chemical properties**

<b>Physical state</b>	Liquid	<b>Odor</b>	Organic
<b>Appearance</b>	Clear Amber	<b>Odor threshold</b>	No information available
<b>Color</b>	Amber		
<b>Property</b>	<b>Values</b>	<b>Remarks • Method</b>	
pH	13.0		
Melting point/freezing point	No information available		
Boiling point / boiling range	100 °C / 212 °F		
Flash point	-	None to boiling.	
Evaporation rate	No information available		
Flammability (solid, gas)	No information available		
Flammability Limit in Air			
Upper flammability limit:	No information available		
Lower flammability limit:	No information available		
Vapor pressure	No information available		
Vapor density	No information available		
Specific gravity	1.258 - 1.318		
Water solubility	No information available		
Solubility in other solvents	No information available		
Partition coefficient	No information available		
Autoignition temperature	No information available		
Decomposition temperature	No information available		
Kinematic viscosity	No information available		
Dynamic viscosity	No information available		

**Explosive properties** No information available  
**Oxidizing properties** No information available

**Other Information**

**Softening point** No information available  
**VOC (EPA METH.24) (G/L):** No information available  
**Density** 10.73 lbs/gal  
**Bulk density** No information available

## 10. STABILITY AND REACTIVITY

**REACTIVITY**

No data available

**Chemical stability**

Stable under recommended storage conditions.

**Possibility of Hazardous Reactions**

None under normal processing.

**CONDITIONS TO AVOID**

Extremes of temperature and direct sunlight. Contact with certain metals produces hydrogen gas.

**Incompatible materials**

Acids. Organic matter. Brass. Copper. Aluminum. Zinc.

**Hazardous Decomposition Products**

None known based on information supplied.

## 11. TOXICOLOGICAL INFORMATION

**Information on likely routes of exposure**

**Product Information** Causes severe skin burns and eye damage.

**Inhalation** Causes burns.

**Eye contact** Corrosive to the eyes and may cause severe damage including blindness.

**Skin contact** Causes burns.

**Ingestion** Causes burns.

PRODUCT COMPOSITION	Oral LD50	Dermal LD50	Inhalation LC50
Sodium molybdate 7631-95-0	= 4000 mg/kg ( Rat )	-	> 2080 mg/m <sup>3</sup> ( Rat ) 4 h

**Information on toxicological effects**

**Symptoms** No information available.

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

**Sensitization** No information available.  
**Germ cell mutagenicity** No information available.  
**Carcinogenicity** The table below indicates whether each agency has listed any ingredient as a carcinogen.

PRODUCT COMPOSITION	ACGIH	IARC	NTP	OSHA
Sodium molybdate 7631-95-0	A3	-	-	-

**Reproductive Toxicity** No information available.

STOT - single exposure	No information available.
STOT - repeated exposure	No information available.
Aspiration hazard	No information available.

**Numerical measures of toxicity - Product Information**

Unknown Acute Toxicity	14.85% of the mixture consists of ingredient(s) of unknown toxicity
The following values are calculated based on chapter 3.1 of the GHS document .	
ATEmix (oral)	38051 mg/kg
ATEmix (dermal)	708162 mg/kg

**12. ECOLOGICAL INFORMATION****Ecotoxicity**

25.33% of the mixture consists of components(s) of unknown hazards to the aquatic environment

**Persistence and degradability**

No information available.

**Bioaccumulation**

No information available.

**Other adverse effects**

No information available

**13. DISPOSAL CONSIDERATIONS****Waste treatment methods**

Disposal of wastes	Disposal should be in accordance with applicable regional, national and local laws and regulations.
--------------------	---

Contaminated packaging	Do not reuse container.
------------------------	-------------------------

**14. TRANSPORT INFORMATION****DEPT. OF TRANSPORTATION**

UN/ID No.	3267
Proper shipping name	CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S. (Triazole Derivative)
Hazard Class	8
Packing Group	III
Description	5 Liters (1.3 Gallons) and Less may be Classed as LTD. QTY.

**TDG**

UN/ID No.	3267
Proper shipping name	CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S. (Triazole Derivative)
Hazard Class	8
Packing Group	III
Description	5 Liters (1.3 Gallons) and Less may be Classed as LTD. QTY.

## 15. REGULATORY INFORMATION

### International Inventories

<b>TSCA</b>	Complies
<b>DSL/NDL</b>	Complies
<b>EINECS/ELINCS</b>	Does not Comply
<b>ENCS</b>	Does not Comply
<b>IECSC</b>	Does not Comply
<b>KECL</b>	Does not Comply
<b>PICCS</b>	Does not Comply
<b>AICS</b>	Does not Comply

### Legend:

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory  
**DSL/NDL** - Canadian Domestic Substances List/Non-Domestic Substances List  
**EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances  
**ENCS** - Japan Existing and New Chemical Substances  
**IECSC** - China Inventory of Existing Chemical Substances  
**KECL** - Korean Existing and Evaluated Chemical Substances  
**PICCS** - Philippines Inventory of Chemicals and Chemical Substances  
**AICS** - Australian Inventory of Chemical Substances

### US Federal Regulations

#### SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

PRODUCT COMPOSITION	SARA 313 - Threshold Values %
Sodium Zinc tetrahydroxide (Sodium zincate) - 12034-31-0	1.0

#### SARA 311/312 Hazard Categories

<b>ACUTE HEALTH HAZARD</b>	YES
<b>CHRONIC HEALTH HAZARD</b>	No
<b>FIRE HAZARD</b>	No
<b>Sudden release of pressure hazard</b>	No
<b>REACTIVE HAZARD</b>	YES

#### CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

#### CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

### US State Regulations

#### California Proposition 65

This product does not contain any Proposition 65 chemicals

#### U.S. State Right-to-Know Regulations

PRODUCT COMPOSITION	NJRTK:	MARTK:	PARTK:
Sodium molybdate 7631-95-0	Listed		
Sodium Zinc tetrahydroxide (Sodium zincate) 12034-31-0			Listed

#### U.S. EPA Label Information

**EPA Pesticide Registration Number** Not applicable

**16. OTHER INFORMATION****NFPA**

Health hazards 1

Flammability 0

Instability 1

Physical and Chemical Properties -

**HMIS**

Health hazards 1

Flammability 0

Physical hazards 1

Personal protection B

Revision Date

02/10/2016

Revision Note

**Disclaimer**

The information provided in this 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 SDS \*\*\***