

Safety Data Sheet
according to HPR, Schedule 1

Printing date 09/03/2021

Reviewed on 09/03/2021

1 Identification

- **Product identifier:** RG-401-5G
- **Trade name:** Roof Guardian RG 401
- **Item number(s):** RG-401-5G
- **SDS Number:** 192
- **Application of the substance / the mixture** PRIMER
- **Manufacturer/Supplier:**
USA ADDRESS:
KEMPER SYSTEM AMERICA, INC.
1200 NORTH AMERICA DR,
WEST SENECA, NY 14224
PH (716) 558-2971

CANADIAN ADDRESS:
ASTARAS CANADA, INC.
4-7075 EDWARDS BLVD
MISSISSAUGA, ONTARIO, L5S 1Z2
PH (905) 624-5463
- **Information department:**
Tel: (716) 712-9931
www.kempersystem.net
- **Emergency telephone number:**
ChemTrec (800) 424-9300 / 1-(703)-741-5970
Canada only: CANUTEC (Call collect) (613) 996-6666

2 Hazard identification

- **Classification of the substance or mixture:**



Skin Irritation - Category 2 H315 Causes skin irritation.

Eye Irritation - Category 2B H320 Causes eye irritation.

- **Label elements**

- **GHS label elements**

The product is classified and labeled according to the Globally Harmonized System (GHS).

- **Signal word:** Warning

- **Hazard statements:**

H315+H320 Causes skin and eye irritation.

- **Precautionary statements:**

P264 Wash thoroughly after handling.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P302+P352 If on skin: Wash with plenty of soap and water.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P332+P313 If skin irritation occurs: Get medical advice/attention.
P362+P364 Take off contaminated clothing and wash it before reuse.
P337+P313 If eye irritation persists: Get medical advice/attention.

(Contd. on page 2)

CA

Safety Data Sheet

according to HPR, Schedule 1

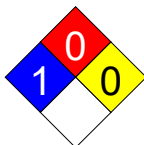
Printing date 09/03/2021

Reviewed on 09/03/2021

Trade name: Roof Guardian RG 401

(Contd. of page 1)

- **Information pertaining to particular dangers for man and environment:**
- **NFPA ratings (scale 0 - 4):**



Health = 1
Fire = 0
Reactivity = 0

3 Composition/Information on ingredients

- **Chemical characterization: Mixtures**
- **Description:** Mixture of the substances listed below with nonhazardous additions.

- **Dangerous components:**

25686-45-7	Acrylic ester acrylic acid acrylonitrile co-polymer	10-30% w/w *
------------	---	--------------

* Actual concentration ranges are withheld as a trade secret.

4 First-aid measures

- **After inhalation:** In case of unconsciousness place patient stably in side position for transportation.
- **After skin contact:**
Wash with plenty of soap and water. Take off contaminated clothing and wash it before reuse. If skin irritation occurs: Get medical advice/attention.
- **After eye contact:**
Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing. If eye irritation persists get medical advice/attention.
- **After swallowing:** If symptoms persist consult doctor.
- **Most important symptoms and effects, both acute and delayed:**
No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed:**
No further relevant information available.

5 Fire-fighting measures

- **Suitable extinguishing agents:** Use fire fighting measures that suit the environment.
- **Special hazards arising from the substance or mixture:** No further relevant information available.
- **Protective equipment:** No special measures required.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures:**
Wear protective clothing.
- **Environmental precautions:**
Do not allow product to reach sewage system or any water course.
Inform respective authorities in case of seepage into water course or sewage system.
Dilute with plenty of water.
Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

(Contd. on page 3)

CA

Safety Data Sheet

according to HPR, Schedule 1

Printing date 09/03/2021

Reviewed on 09/03/2021

Trade name: Roof Guardian RG 401

(Contd. of page 2)

Ensure adequate ventilation.

· **Reference to other sections:**

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

7 Handling and storage

· **Handling**

· **Precautions for safe handling:**

Ensure good ventilation/exhaustion at the workplace.

Prevent formation of aerosols.

· **Information about protection against explosions and fires:** No special measures required.

· **Storage**

· **Requirements to be met by storerooms and receptacles:** No special requirements.

· **Information about storage in one common storage facility:** Not required.

· **Further information about storage conditions:** Keep receptacle tightly sealed.

· **Specific end use(s):** No further relevant information available.

8 Exposure controls/ Personal protection

· **Additional information about design of technical systems:** No further data; see item 7.

· **Components with limit values that require monitoring at the workplace:**

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

· **Additional information:** The lists that were valid during the creation were used as basis.

· **Personal protective equipment**

· **General protective and hygienic measures:**

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing.

Wash hands before breaks and at the end of work.

Avoid contact with the eyes and skin.

· **Breathing equipment:** Use suitable respiratory protective device in case of insufficient ventilation.

· **Protection of hands:**



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

· **Material of gloves:**

Nitrile

Butyl rubber, BR

Nitrile rubber, NBR

· **Eye protection:**



Tightly sealed goggles

CA

(Contd. on page 4)

Safety Data Sheet

according to HPR, Schedule 1

Printing date 09/03/2021

Reviewed on 09/03/2021

Trade name: Roof Guardian RG 401

(Contd. of page 3)

9 Physical and chemical properties

· Form:	Liquid
· Color:	Light grey
· Odor:	Characteristic
· Odor threshold:	Not determined.
· pH-value at 20 °C:	8.8
· Change in condition	
Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	100 °C
· Flash point:	Not applicable.
· Flammability (solid, gaseous):	Not applicable.
· Decomposition temperature:	Not determined.
· Auto igniting:	Product is not selfigniting.
· Danger of explosion:	Product does not present an explosion hazard.
· Explosion limits	
Lower:	Not determined.
Upper:	Not determined.
· Vapor pressure at 20 °C:	23.4 hPa
· Density at 20 °C:	1.378 g/cm ³
· Relative density:	Not determined.
· Vapor density:	Not determined.
· Evaporation rate:	Not determined.
· Solubility in / Miscibility with	
Water:	Fully miscible.
· Partition coefficient (n-octanol/water):	Not determined.
· Viscosity:	
Dynamic at 20 °C:	192,000 mPas
Kinematic:	Not determined.
· Solvent content:	
VOC content:	0.00 % 0.0 g/l / 0.00 lb/gal
· Other information	No further relevant information available.

10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:**
No decomposition if used according to specifications.
- **Possibility of hazardous reactions:** Reacts with strong oxidizing agents.
- **Conditions to avoid:** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

CA

(Contd. on page 5)

Safety Data Sheet

according to HPR, Schedule 1

Printing date 09/03/2021

Reviewed on 09/03/2021

Trade name: Roof Guardian RG 401

(Contd. of page 4)

11 Toxicological information

- **Information on toxicological effects:**

- **Acute toxicity**

- **LD/LC50 values that are relevant for classification:**

1314-13-2 zinc oxide

Oral LD50 >5,000 mg/kg (rat)

- **Specific symptoms in biological assay:** No further relevant information available.

- **Primary irritant effect**

- **on the skin:** Irritant to skin and mucous membranes.

- **on the eye:** Irritating effect.

- **Sensitization:** No sensitizing effects known.

- **Additional toxicological information:**

The product shows the following dangers according to internally approved calculation methods for preparations:

Irritant

- **Carcinogenic categories**

- **IARC (International Agency for Research on Cancer)**

107-13-1 acrylonitrile

2B

- **NTP (National Toxicology Program)**

107-13-1 acrylonitrile

R

12 Ecological information

- **Aquatic toxicity:** No further relevant information available.

- **Persistence and degradability:** No further relevant information available.

- **Behavior in environmental systems**

- **Bioaccumulative potential:** No further relevant information available.

- **Mobility in soil:** No further relevant information available.

- **Ecotoxicological effects:**

- **Remark:** Harmful to fish

- **Additional ecological information**

- **General notes:**

Harmful to aquatic organisms

Water hazard class 1 (Self-assessment): slightly hazardous for water

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

- **Other adverse effects:** No further relevant information available.

13 Disposal considerations

- **Waste treatment methods**

- **Recommendation:**

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

(Contd. on page 6)

CA

Safety Data Sheet

according to HPR, Schedule 1

Printing date 09/03/2021

Reviewed on 09/03/2021

Trade name: Roof Guardian RG 401

(Contd. of page 5)

- **Uncleaned packagings**
- **Recommendation:**
Place in a sealed container and label as waste. Place in a safe area, and comply with all federal, state, provincial and local regulations for disposal.
- **Recommended cleansing agent:** Water, if necessary with cleansing agents.

14 Transport information

- | | |
|---|-----------------|
| · UN-Number | |
| · DOT/TDG, ADR, ADN, IMDG, IATA | Not regulated |
| · UN proper shipping name | |
| · DOT/TDG, ADR, ADN, IMDG, IATA | Not regulated |
| · Transport hazard class(es) | |
| · DOT, ADR, ADN, IMDG, IATA | |
| · Class | Not regulated |
| · Packing group | |
| · DOT/TDG, ADR, IMDG, IATA | Not regulated |
| · Environmental hazards: | Not applicable. |
| · Special precautions for user: | Not applicable. |
| · Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: | Not applicable. |
| · UN "Model Regulation": | Not regulated |

15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
No further relevant information available.

- **Sara**

- **Section 355 (extremely hazardous substances):**

107-13-1	acrylonitrile
----------	---------------

- **Section 313 (Specific toxic chemical listings):**

1314-13-2	zinc oxide
-----------	------------

107-13-1	acrylonitrile
----------	---------------

- **TSCA (Toxic Substances Control Act):**

All ingredients are listed or exempted
--

- **Proposition 65**

- **Chemicals known to cause cancer:**

107-13-1	acrylonitrile
----------	---------------

- **Chemicals known to cause reproductive toxicity for females:**

None of the ingredients is listed.

- **Chemicals known to cause reproductive toxicity for males:**

None of the ingredients is listed.

(Contd. on page 7)

Safety Data Sheet

according to HPR, Schedule 1

Printing date 09/03/2021

Reviewed on 09/03/2021

Trade name: Roof Guardian RG 401

(Contd. of page 6)

- **Chemicals known to cause developmental toxicity:**

None of the ingredients is listed.

- **Canadian substance listings**

- **Canadian Domestic Substances List (DSL/NDSL):**

All ingredients are listed.

- **Canadian Ingredient Disclosure list (limit 0.1%):**

None of the ingredients is listed.

- **Canadian Ingredient Disclosure list (limit 1%):**

1314-13-2 zinc oxide

- **GHS label elements**

The product is classified and labeled according to the Globally Harmonized System (GHS).

- **Hazard pictograms**



GHS07

- **Signal word** Warning

- **Hazard statements**

H315+H320 Causes skin and eye irritation.

16 Other information

This SDS format meets ANSI Z400.1-2010, OSHA 1910.1200 and WHMIS requirements. Kemper System America, Inc. provides the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product. Product use and conditions of use are beyond the control of Kemper System America, Inc. Warranty of materials is limited to test results of product performance as detailed in certificates of compliance. Interpretation of test results is the responsibility of end-user. No other warranties, expressed or implied, are made. Kemper System America, Inc is an ISO 9001:2015 and ISO 14001:2015 registered company.

- **Department issuing SDS:** Product safety department

- **Contact:**

- **Date of the latest revision of the safety data sheet** 09/03/2021 / -

- **Abbreviations and acronyms:**

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

NFPA: National Fire Protection Association (USA)

VOC: Volatile Organic Compounds (USA, EU)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent