

SAFETY DATA SHEET

1. Identification

Material Identity

Product Name: Huron 290 Superior Gutterseal
Recommended Use: Sealant
Restrictions: None

Company

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2. Hazards identification

Classification of the substance or mixture

Flammable liquids	Category 2
Serious eye damage/eye irritation	Category 2A
Acute toxicity; inhalation	Category 4
Specific target organ toxicity – single exposure central nervous system/ respiratory tract irritation	Category 3
Skin corrosion/irritation	Category 2
Specific target organ toxicity – repeated exposure inhalation	Category 2
Aspiration hazard	Category 1
Carcinogenicity: Inhalation	Category 2

GHS classification scale (1=severe hazard; 4=slight hazard)

Label elements

GHS label elements

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

Hazard pictograms



Signal Word: Danger

Hazard statements

- H225 Highly flammable liquid and vapor.
- H319 Causes serious eye irritation.
- H332 Harmful if inhaled.
- H335 May cause respiratory irritation.
- H336 May cause drowsiness or dizziness.
- H315 Causes skin irritation.
- H304 May be fatal if swallowed and enters airways.

Precautionary statements

Prevention

- P102 Keep out of reach of children.
- P103 Read label before use.
- P210 Keep away from heat, sparks, open flames, hot surfaces and other ignition sources. No smoking.
- P241 Use explosion-proof electrical/ventilating/lighting/equipment.
- P243 Take action to prevent static discharges.
- P261 Avoid breathing dust/fume/gas/mist/vapors/spray.
- P264 Wash hands thoroughly after handling.
- P271 Use only outdoors or in a well-ventilated area.
- P280 Wear protective gloves/protective clothing/eye protection/face protection.
- P240 Ground and bond container and receiving equipment.
- P233 Keep container tightly closed.
- P242 Use non-sparking tools.

Response

- P370+P378 In case of fire; use water spray, carbon dioxide, dry chemical or alcohol foam to extinguish.
- P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing and wash it before reuse. Wash skin with plenty of soap and water, rinse skin with water or shower.
- P332+P313 If skin irritation occurs: Get medical attention.
- P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P337+P313 If eye irritation persists: Get medical attention.
- P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
- P331 Do NOT Induce vomiting.
- P312 Call a POISON CENTER or doctor/physician if you feel unwell.

Storage

- P405 Store locked up.
- P403+P233 Store in a well-ventilated place. Keep container tightly closed.
- P403+P235 Store in a well-ventilated place. Keep cool.

Disposal

- P501 Dispose of contents/container in accordance with local/regional/national/International regulations.

3. Composition/information on ingredients

Ingredients	CAS Number	% (by weight)
Methyl acetate	79-20-9	30-36
Synthetic rubber	9002-18-3	18-22
Acetone	67-64-1	10-15
Phenolic Resin	N/A	13-16
t-Butyl acetate	540-88-5	4-6
Ground limestone	1317-65-3	5-7
Magnesium silicate	14807-96-6	1-3
Aluminum powder	7429-90-5	2-4
Mineral spirits	8052-41-3	1-3
Xylenes, mixed isomers	1330-20-7	1-2
Hydrated amorphous silica	7631-86-9	0.4-0.8
Ethylbenzene	100-41-4	0.1-0.4
Polymeric phenolic antioxidant	68610-51-5	0.1-0.3
Formaldehyde	50-00-0	>10 ppb

VOC Content 75 g/l

4. First aid measures

Description of first aid measures

Inhalation: Remove to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that gas or vapor is still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. If not breathing, if breathing is irregular, or if respiratory arrest occurs; give artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention. If necessary, call a poison center or physician. If unconscious, place in recovery position. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt, or waistband.

Skin contact: Remove contaminated clothing as needed. Wash with plenty of soap and water. Immediately flush with plenty of water for at least 15 minutes. Wash contaminated clothing before reuse. Seek medical attention if ill effect or irritation develops.

Eye contact: Immediately flush with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. If easy to do, remove contact lenses. If irritation persists, seek medical attention.

Ingestion: Call a physician or poison control center immediately. Only induce vomiting at the instruction of medical personnel. If a person vomits when lying on their back, place them in the recovery position. Never give anything by mouth to an unconscious person.

Most important symptoms and effects, both acute and delayed

May irritate and cause redness and pain. Vapors have a narcotic effect and may cause headache, fatigue, dizziness, and nausea.

Indication of any immediate medical attention and special treatment needed

Treat symptomatically. Treatment of overexposure should be directed at the control of symptoms and the clinical condition of the patient.

5. Fire-fighting measures

Extinguishing media

Suitable extinguishing agents: Water spray, carbon dioxide, dry chemical, alcohol foam. **For safety reasons unsuitable extinguishing agents:** Solid water stream – may spread fire.

Special hazards arising from the substance or mixture: Vapors may cause a flash fire or ignite explosively. Vapors may travel a considerable distance to a source of ignition and flash back. Prevent buildup of vapors or gases to explosive concentrations. Runoff to sewer may create fire or explosion hazard. Water contaminated with this material, should be contained and prevented from being discharged to any waterway, sewer, or drain.

Advice for firefighters

Hazardous thermal decomposition products: Carbon dioxide, carbon monoxide.

Protective equipment: Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

6. Accidental release measures

Personal precautions, protective equipment, and emergency procedures

Wear protective equipment. Keep unprotected persons away. Immediately evacuate personnel to safe areas. Keep people away and upwind of spill/leak. Remove all sources of ignition.

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.

Do not allow to enter sewers/surface or ground water.

Methods and material for containment or cleaning up:

Absorb with liquid-binding material (ie. Sand, diatomite, dry earth, acid binders, or other non-combustible material).

Ensure adequate ventilation.

Do not flush with water or aqueous cleansing agents.

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

Precautions for safe handling

Ensure good ventilation/exhaustion at the workplace.

Open and handle receptacle with care.

Prevent formation of aerosols.

Information about protection against explosions and fire:

Keep ignition sources away – Do not smoke. Protect from heat.

Protect against electrostatic charges.

Conditions for safe storage, including any incompatibilities Storage Requirements to be met by storerooms and receptacles: Store in a cool location.
Information about storage in one common storage facility: Not required.
Further information about storage conditions:
Keep receptacle tightly sealed.
Store in cool, dry conditions in well-sealed receptacles.
Protect from heat and direct sunlight.
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 section 7.

Control parameters

Components with limit values that require monitoring at the workplace:

79-20-9 methyl acetate

TWA 200 ppm - ACGIH
STEL 250 ppm - ACGIH
PEL 200 ppm - OSHA

67-64-1 acetone

TWA 500 ppm - ACGIH
STEL 750 ppm - ACGIH
REL 250 ppm - NIOSH
PEL 1000 ppm - OSHA
TWA 750 ppm - OSHA
STEL 1000 ppm - OSHA

540-88-5 t-butyl acetate

TWA 200 ppm - ACGIH
IDLH 1500 ppm - NIOSH Remarks: 10% LEL
TWA 200 ppm - OSHA
STEL 1000 ppm - OSHA

8052-41-3 mineral spirits

REL 350 mg/m³ - NIOSH TWA
CEIL 1800 mg/m³ - NIOSH 15 minute
TWA 500 ppm - OSHA

1330-20-7 xylenes mixed isomers

TWA 100 ppm - ACGIH
STEL 150 ppm - ACGIH 15 minute
TWA 100 ppm - OSHA

100-41-4 ethylbenzene

TWA 20 ppm - ACGIH
TWA 100 ppm - OSHA

50-00-0 Formaldehyde

STEL 2 ppm
TWA 0.75 ppm

Ingredients with biological limit values: None known.

Additional Information: Not available.

Exposure controls

Engineering measures: Good general ventilation (typically 10 air changes/hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits.

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.

Protection of hands:

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

Due to missing tests, no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Select the glove material based on penetration times, rates of diffusion and degradation.

Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

Penetration time of glove material

The exact break-through time has to be determined and observed by the manufacturer of the protective gloves.

Eye protection:

Wear safety glasses with side shields or tightly sealed goggles. Wear a respirator if needed.

9. Physical and chemical properties

General information

Appearance:

Form:

Liquid

Color:

Silver colored

Odor:

Pleasant to pungent ketone

Odor threshold:

Not Determined

pH-value

7

Change in condition

Melting point/Melting range:

-99°C to -94 °C (-106°F to -97 °F)

Boiling point/Boiling range:

55°C -58°C (131°F to 136°F)

Flash point:

-13°C to -1°C (9°F - 30°F)

Flammability (solid, gaseous):

Not applicable.

Ignition temperature:

465°C (869 °F)

Decomposition temperature:

Not determined

Auto igniting:

Not determined

Danger of explosion:

No data available

Explosion Limits:

Lower:

1.3 Vol %

Upper:

12 Vol %

Vapor Pressure @ 20 °C (68 °F)

241 hPa (181 mm Hg)

Density @ 20 °C (68 °F)	1.05 g/cm ³ (8.77 lbs/gal)
Relative density	Not determined
Vapor density	Not determined
Evaporation rate	Not determined
Solubility in/ Miscibility with water:	Not miscible or difficult to mix
Partition coefficient (n-octanol/water):	Not determined
Viscosity:	
Dynamic:	Not determined
Kinematic:	Not determined
Organic solvents:	52.2
VOC content	75 g/l
Other information	No further relevant information available

10. Stability and reactivity

Reactivity Stable under normal conditions.

Chemical stability

Thermal decomposition/conditions to be avoided: No decomposition under normal use conditions.

Possibility of hazardous reactions: No dangerous reactions expected.

Conditions to avoid: Heat, sparks and flames.

Incompatible materials: Acids, alkalies, nitrates, amines, ammonia, reducing agents and strong oxidizing agents.

Hazardous decomposition products: Carbon dioxide, carbon monoxide.

11. Toxicological information

Information on toxicological effects

Acute toxicity:

LD/LC50 values that are relevant for classification:

79-20-9 methyl acetate

Oral LD50 6482 mg/kg (rat) (highest dose tested)

67-64-1 acetone

Oral LD50 5800 mg/kg (rat)

540-88-5 t-butyl acetate

Oral LD50 4500 mg/kg

1330-20-7 xylenes, mixed isomers

Oral LD50 4300 mg/kg

Primary irritant effect:

On the skin: Mild irritant effect.

On the eye: May cause moderate eye irritation.

Sensitization: No sensitizing effects known.

Additional toxicological information:

Carcinogenic categories

ACGIH Carcinogens

100-41-4 Ethylbenzene

A3 Confirmed animal carcinogen with unknown relevance to humans.

50-00-0 Formaldehyde
1330-20-7 Xylene

A2 Suspected human carcinogen.
A4 Not classifiable as a human carcinogen.

IARC (International Agency for Research on Cancer)

100-41-4 Ethylbenzene
50-00-0 Formaldehyde
1330-20-7 Xylene

2B Possibly carcinogenic to humans.
1 Carcinogenic to humans.
3 Not classifiable as to carcinogenicity to humans.

NTP (National Toxicology Program)

50-00-0 Formaldehyde

Known to be a human carcinogen.

US OSHA Specifically Regulated Substances: Potential cancer hazard

50-00-0 Formaldehyde

Potential cancer hazard.

12. Ecological information

Toxicity

Aquatic toxicity: No further relevant information available.

Persistence and degradability: No further relevant information available.

Bioaccumulative potential: No further relevant information available.

Mobility in soil: No further relevant information available.

Additional ecological information:

General notes:

Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

Other adverse effects: No further relevant information available.

13. Disposal considerations

Waste treatment methods

Recommendation:

Contaminated product, soil, water, container residues and spill cleanup materials may be hazardous wastes. Comply with applicable federal, state, and local regulations. Since emptied containers retain product residue, follow label warnings even after container is emptied. Residual vapors may explode on ignition; do not cut, drill, grind, or weld on or near this container.

Uncleaned packagings:

Recommendation: Disposal must be made according to official regulations.

14. Transport information

DOT

UN-Number: UN1133

UN proper shipping name

Class

Label

Packing group

Remarks:

UN "Model Regulation":

Adhesives

3 Flammable liquid

3

II

ERG Guide Number: 128

UN1133, Adhesives, 3, II

15. Regulatory information

Safety, health, and environmental regulations/legislation specific for the substance or mixture

Sara

Section 355 (extremely hazardous substances):

Mixture substances are not listed.

Section 313 (Specific toxic chemical listings):

Mixture substances are not listed.

TSCA (Toxic Substance Control Act):

1330-20-7 xylenes, mixed isomers is listed.

Proposition 65

Chemicals known to cause cancer:

Mixture substances are not listed or below amounts requiring listing.

Chemicals known to cause reproductive toxicity for females:

Mixture substances are not listed or below amounts requiring listing.

Chemicals known to cause reproductive harm to males:

Mixture substances are not listed.

Chemicals known to cause developmental toxicity:

Mixture substances are not listed or below amounts requiring listing.

TLV (Threshold Limit Value established by ACGIH)

Not determined.

NIOSH-Ca (National Institute for Occupational Safety and Health)

Mixture substances are not listed.

OSHA-Ca (Occupational Safety & Health Administration)

Mixture substances are not listed.

GHS label elements

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

Chemical safety assessment: A chemical Safety Assessment has not been carried out.

16. Other Information

Abbreviations and acronyms:

ADR: Accord European sur le transport des marchandises par Route (European Agreement concerning the international Carriage of Dangerous Goods)

DOT: US Department of Transportation

ACGIH: American Conference of Government Industrial Hygienists

EINECS: European Inventory of Existing Commercial Chemical Substances

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

NFPA: National Fire Protection Association (USA)

HMIS: Hazardous Materials Identification System (USA)

VOC: Volatile Organic Compounds (USA, EU)

LC50: Lethal concentration, 50 percent

LD50: Lethal Dose, 50 percent

This safety data sheet contains changes from the previous version in sections: New Material Safety Data Sheet format.

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