

1 Identification

- **Product identifier**
- **Trade name: Steelkote 151 Acrylic Urethane Reds & Oranges**
- **Article number: 151RXXX**
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
Baril Coatings USA, LLC
401 Growth Parkway
Angola, IN 46703
- **Information department: Product safety department**
- **Emergency telephone number: During normal opening times: +1 (260) 665-8431**

2 Hazard(s) identification

- **Classification of the substance or mixture**



GHS02 Flame

Flammable Liquids 3 H226 Flammable liquid and vapor.



GHS08 Health hazard

Germ Cell Mutagenicity 1B H340 May cause genetic defects.

Carcinogenicity 1B H350 May cause cancer.



GHS07

Sensitization - Skin 1 H317 May cause an allergic skin reaction.

- **Label elements**

- **GHS label elements**

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

- **Hazard pictograms**



GHS02



GHS07



GHS08

- **Signal word Danger**

- **Hazard-determining components of labeling:**

4-methylpentan-2-one

Solvent naphtha (petroleum), light arom.

titanium dioxide

Trade name: Steelkote 151 Acrylic Urethane Reds & Oranges

(Contd. of page 1)

reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight ≤ 700)
Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate

- **Hazard statements**

Flammable liquid and vapor.
May cause an allergic skin reaction.
May cause genetic defects.
May cause cancer.

- **Precautionary statements**

Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
Keep container tightly closed.
Ground/bond container and receiving equipment.
Use explosion-proof electrical/ventilating/lighting/equipment.
Use only non-sparking tools.
Take precautionary measures against static discharge.
Avoid breathing dust/fume/gas/mist/vapors/spray
Contaminated work clothing must not be allowed out of the workplace.
Wear protective gloves/protective clothing/eye protection/face protection.
If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
If exposed or concerned: Get medical advice/attention.
Specific treatment (see on this label).
If skin irritation or rash occurs: Get medical advice/attention.
Wash contaminated clothing before reuse.
In case of fire: Use CO₂, powder or water spray to extinguish.
Store in a well-ventilated place. Keep cool.
Store locked up.
Dispose of contents/container in accordance with local/regional/national/international regulations.

- **Classification system:**

- **NFPA ratings (scale 0 - 4)**



Health = 1
Fire = 3
Reactivity = 0

- **HMIS-ratings (scale 0 - 4)**



Health = *2
Fire = 3
Reactivity = 0

- **Other hazards**

- **Results of PBT and vPvB assessment**

- **PBT:** Not applicable
- **vPvB:** Not applicable

3 Composition/information on ingredients

- **Chemical characterization: Mixtures**

- **Description:** Hazardous substances listed below.

- **Dangerous components:**

123-86-4	n-Butyl acetate	>10-<20%
108-65-6	2-methoxy-1-methylethyl acetate	>2.5-≤10%
110-43-0	Methyl n-amyl ketone	>2.5-≤10%

(Contd. on page 3)

Trade name: Steelkote 151 Acrylic Urethane Reds & Oranges

(Contd. of page 2)

67-64-1	Acetone	>2.5-<10%
108-10-1	4-methylpentan-2-one	>2.5-<10%
763-69-9	ethyl 3-ethoxypropionate	>2.5-≤10%
25068-38-6	reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight ≤ 700)	0.1-<1%
64742-95-6	Solvent naphtha (petroleum), light arom.	0.1-≤2.5%
13463-67-7	titanium dioxide	0.1-≤2.5%
41556-26-7	Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate	0.1-<1%

4 First-aid measures

- **Description of first aid measures**
- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:** Immediately rinse with water.
- **After eye contact:** Rinse opened eye for several minutes under running water.
- **After swallowing:** If symptoms persist consult doctor.
- **Information for 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

- **Extinguishing media**
- **Suitable extinguishing agents:**
CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **For safety reasons unsuitable extinguishing agents:** Water with full jet
- **Special hazards arising from the substance or mixture** No further relevant information available.
- **Advice for firefighters**
- **Protective equipment:** No special measures required.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**
Wear protective equipment. Keep unprotected persons away.
- **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 and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Dispose contaminated material as waste according to section 13.
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.

(Contd. on page 4)

Trade name: Steelkote 151 Acrylic Urethane Reds & Oranges

(Contd. of page 3)

· Protective Action Criteria for Chemicals

· PAC-1:

123-86-4	<i>n</i> -Butyl acetate	5 ppm
108-65-6	2-methoxy-1-methylethyl acetate	50? ppm
110-43-0	Methyl <i>n</i> -amyl ketone	75 ppm
67-64-1	Acetone	200 ppm
108-10-1	4-methylpentan-2-one	75 ppm
763-69-9	ethyl 3-ethoxypropionate	15 ppm
25068-38-6	reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight ≤ 700)	90 mg/m ³
628-63-7	pentyl acetate	100 ppm
71-36-3	butan-1-ol	60 ppm
2530-83-8	[3-(2,3-epoxypropoxy)propyl]trimethoxysilane	3.4 mg/m ³
13463-67-7	titanium dioxide	30 mg/m ³
108-83-8	2,6-dimethylheptan-4-one	75 ppm

· PAC-2:

123-86-4	<i>n</i> -Butyl acetate	200 ppm
108-65-6	2-methoxy-1-methylethyl acetate	1000? ppm
110-43-0	Methyl <i>n</i> -amyl ketone	130 ppm
67-64-1	Acetone	3200 ppm
108-10-1	4-methylpentan-2-one	500 ppm
763-69-9	ethyl 3-ethoxypropionate	170 ppm
25068-38-6	reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight ≤ 700)	990 mg/m ³
628-63-7	pentyl acetate	170 ppm
71-36-3	butan-1-ol	800 ppm
2530-83-8	[3-(2,3-epoxypropoxy)propyl]trimethoxysilane	38 mg/m ³
13463-67-7	titanium dioxide	330 mg/m ³
108-83-8	2,6-dimethylheptan-4-one	330 ppm

· PAC-3:

123-86-4	<i>n</i> -Butyl acetate	3000 ppm
108-65-6	2-methoxy-1-methylethyl acetate	5000?* ppm
110-43-0	Methyl <i>n</i> -amyl ketone	800 ppm
67-64-1	Acetone	5700 ppm
108-10-1	4-methylpentan-2-one	3000 ppm
763-69-9	ethyl 3-ethoxypropionate	990 ppm
25068-38-6	reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight ≤ 700)	5900 mg/m ³
628-63-7	pentyl acetate	1000 ppm
71-36-3	butan-1-ol	8000** ppm
2530-83-8	[3-(2,3-epoxypropoxy)propyl]trimethoxysilane	230 mg/m ³
13463-67-7	titanium dioxide	2000 mg/m ³
108-83-8	2,6-dimethylheptan-4-one	2000* ppm

-US

(Contd. on page 5)

Trade name: **Steelkote 151 Acrylic Urethane Reds & Oranges**

(Contd. of page 4)

7 Handling and storage

- **Handling:**
- **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 fires:**
Keep ignition sources away - Do not smoke.
Protect against electrostatic charges.
Keep respiratory protective device available.
- **Conditions for safe storage, including any incompatibilities**
- **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 section 7.
- **Control parameters**
- **Components with limit values that require monitoring at the workplace:**
The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit.
At this time, the other constituents have no known exposure limits.

123-86-4 n-Butyl acetate	
PEL	Long-term value: 710 mg/m ³ , 150 ppm
REL	Short-term value: 950 mg/m ³ , 200 ppm Long-term value: 710 mg/m ³ , 150 ppm
TLV	Short-term value: 712 mg/m ³ , 150 ppm Long-term value: 238 mg/m ³ , 50 ppm
108-65-6 2-methoxy-1-methylethyl acetate	
WEEL	Long-term value: 50 ppm
110-43-0 Methyl n-amyl ketone	
PEL	Long-term value: 465 mg/m ³ , 100 ppm
REL	Long-term value: 465 mg/m ³ , 100 ppm
TLV	Long-term value: 50 ppm
67-64-1 Acetone	
PEL	Long-term value: 2400 mg/m ³ , 1000 ppm
REL	Long-term value: 590 mg/m ³ , 250 ppm
TLV	Short-term value: 1187 mg/m ³ , 500 ppm Long-term value: 594 mg/m ³ , 250 ppm A4, BEI
108-10-1 4-methylpentan-2-one	
PEL	Long-term value: 410 mg/m ³ , 100 ppm

(Contd. on page 6)

-US

Trade name: Steelkote 151 Acrylic Urethane Reds & Oranges

(Contd. of page 5)

REL	Short-term value: 300 mg/m ³ , 75 ppm Long-term value: 205 mg/m ³ , 50 ppm
TLV	Short-term value: 307 mg/m ³ , 75 ppm Long-term value: 82 mg/m ³ , 20 ppm BEI, A3

· Ingredients with biological limit values:**67-64-1 Acetone**

BEI 25 mg/L
Medium: urine
Time: end of shift
Parameter: Acetone (nonspecific)

108-10-1 4-methylpentan-2-one

BEI 1 mg/L
Medium: urine
Time: end of shift
Parameter: Methyl isobutyl ketone

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

· Exposure controls**· 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.
Store protective clothing separately.

· Breathing equipment:

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.

· Protection of hands:

Protective gloves

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.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the 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. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

· Penetration time of glove material

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

(Contd. on page 7)

US

Trade name: **Steelkote 151 Acrylic Urethane Reds & Oranges**

(Contd. of page 6)

· **Eye protection:**

Tightly sealed goggles

9 Physical and chemical properties

· **Information on basic physical and chemical properties**· **General Information**· **Appearance:**

· Form:	Liquid
· Color:	Red
· Odor:	Solvent-like
· Odor threshold:	Not determined

· **pH-value:** Not determined· **Change in condition**

· Melting point/Melting range:	Undetermined
· Boiling point/Boiling range:	124-128 °C (255.2-262.4 °F)

· **Flash point:** 27 °C (80.6 °F)· **Flammability:** Flammable.· **Auto igniting:** 315 °C (599 °F)· **Decomposition temperature:** Not determined· **Ignition temperature:** Product is not selfigniting.· **Danger of explosion:** Product is not explosive. However, formation of explosive air/vapor mixtures are possible.· **Explosion limits:**

· Lower:	1.2 Vol %
· Upper:	7.5 Vol %

· **Vapor pressure at 20 °C (68 °F):** 10.7 hPa (8 mm Hg)· **Vapor pressure at 50 °C (122 °F):** 55 hPa (41.3 mm Hg)· **Density at 20 °C (68 °F):** 1.04 g/cm³ (8.68 lbs/gal)· **Relative density** Not determined· **Vapor density** Not determined· **Evaporation rate** Not determined· **Solubility in / Miscibility with**· **Water:** Miscible· **Partition coefficient (n-octanol/water):** Not determined· **Viscosity:**

· Dynamic:	Not determined
· Kinematic:	Not determined

· **Solvent content:**

· Organic solvents:	37.6 %
· VOC content:	34.28 %
	356.5 g/l / 2.98 lb/gal

(Contd. on page 8)

Trade name: **Steelkote 151 Acrylic Urethane Reds & Oranges**

(Contd. of page 7)

Solids content: 58.9 % (by weight)**Other information:** No further relevant information available.

10 Stability and reactivity

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

11 Toxicological information

- **Information on toxicological effects**

- **Acute toxicity:**

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

108-10-1 4-methylpentan-2-one

Oral	LD50	2,080 mg/kg (rat)
Dermal	LD50	16,000 mg/kg (rab)
Inhalative	LC50/4 h	11 mg/l (ATE) 8.3-16.6 mg/l (rat)

- **Primary irritant effect:**
- **on the skin:** No irritant effect.
- **on the eye:** No irritating effect.
- **Sensitization:** No sensitizing effects known.
- **Additional toxicological information:**
The product shows the following dangers according to internally approved calculation methods for preparations:
Carcinogenic.
The product can cause inheritable damage.

- **Carcinogenic categories**

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

108-10-1	4-methylpentan-2-one	2B
13463-67-7	titanium dioxide	2B

- **NTP (National Toxicology Program)**

None of the ingredients is listed.

- **OSHA-Ca (Occupational Safety & Health Administration)**

None of the ingredients is listed.

12 Ecological information

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

(Contd. on page 9)

Trade name: Steelkote 151 Acrylic Urethane Reds & Oranges



(Contd. of page 8)

- **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:**
Water hazard class 3 (Self-assessment): extremely hazardous for water
Do not allow product to reach ground water, water course or sewage system, even in small quantities.
Danger to drinking water if even extremely small quantities leak into the ground.
Harmful to aquatic organisms
- **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:**
Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.

14 Transport information

- | | |
|-------------------------------------|---|
| · UN-Number | |
| · DOT, IMDG, IATA | UN1263 |
| · UN proper shipping name | |
| · DOT | Paint |
| · IMDG, IATA | PAINT |
| · Transport hazard class(es) | |
| · DOT | |
| |  |
| · Class | 3 Flammable liquids |
| · Label | 3 |
| · IMDG, IATA | |
| |  |
| · Class | 3 Flammable liquids |
| · Label | 3 |

(Contd. on page 10)

Trade name: Steelkote 151 Acrylic Urethane Reds & Oranges

(Contd. of page 9)

· Packing group · DOT, IMDG, IATA	III
· Environmental hazards:	Not applicable
· Special precautions for user · Hazard identification number (Kemler code): 30 · EMS Number: · Stowage Category	Warning: Flammable liquids F-E, S-E A
· Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable
· Transport/Additional information: · DOT · Quantity limitations	On passenger aircraft/rail: 60 L On cargo aircraft only: 220 L
· IMDG · Limited quantities (LQ) · Excepted quantities (EQ)	5L Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
· UN "Model Regulation":	UN 1263 PAINT, 3, III

15 Regulatory information

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

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

None of the ingredients is listed.

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

108-10-1 | 4-methylpentan-2-one

71-36-3 | butan-1-ol

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

All components have the value ACTIVE.

· **Hazardous Air Pollutants**

108-10-1 | 4-methylpentan-2-one

· **Proposition 65**· **Chemicals known to cause cancer:**

108-10-1 | 4-methylpentan-2-one

13463-67-7 | titanium dioxide

· **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.

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

108-10-1 | 4-methylpentan-2-one

(Contd. on page 11)

Trade name: Steelkote 151 Acrylic Urethane Reds & Oranges

(Contd. of page 10)

· **Carcinogenic categories**· **EPA (Environmental Protection Agency)**

67-64-1	Acetone	I
108-10-1	4-methylpentan-2-one	I
71-36-3	butan-1-ol	D

· **TLV (Threshold Limit Value)**

67-64-1	Acetone	A4
13463-67-7	titanium dioxide	A4

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

13463-67-7	titanium dioxide
------------	------------------

· **GHS label elements**

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

· **Hazard pictograms**

GHS02 GHS07 GHS08

· **Signal word Danger**· **Hazard-determining components of labeling:**

4-methylpentan-2-one

Solvent naphtha (petroleum), light arom.

titanium dioxide

reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight ≤ 700)

Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate

· **Hazard statements**

Flammable liquid and vapor.

May cause an allergic skin reaction.

May cause genetic defects.

May cause cancer.

· **Precautionary statements**

Obtain special instructions before use.

Do not handle until all safety precautions have been read and understood.

Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

Keep container tightly closed.

Ground/bond container and receiving equipment.

Use explosion-proof electrical/ventilating/lighting/equipment.

Use only non-sparking tools.

Take precautionary measures against static discharge.

Avoid breathing dust/fume/gas/mist/vapors/spray

Contaminated work clothing must not be allowed out of the workplace.

Wear protective gloves/protective clothing/eye protection/face protection.

If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

IF exposed or concerned: Get medical advice/attention.

Specific treatment (see on this label).

If skin irritation or rash occurs: Get medical advice/attention.

Wash contaminated clothing before reuse.

In case of fire: Use CO₂, powder or water spray to extinguish.

Store in a well-ventilated place. Keep cool.

Store locked up.

Dispose of contents/container in accordance with local/regional/national/international regulations.

(Contd. on page 12)

Trade name: Steelkote 151 Acrylic Urethane Reds & Oranges

(Contd. of page 11)

- **National regulations:**
- **Information about limitation of use:**
Workers are not allowed to be exposed to the hazardous carcinogenic materials contained in this preparation. Exceptions can be made by the authorities in certain cases.
- **Chemical safety assessment:** *A Chemical Safety Assessment has not been carried out.*

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Department issuing SDS:** *Environment protection department.*
- **Contact:** *Safety Department*
- **Date of preparation / last revision** *01/06/2026 / -*
- **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)
HMIS: Hazardous Materials Identification System (USA)
VOC: Volatile Organic Compounds (USA, EU)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
NIOSH: National Institute for Occupational Safety
OSHA: Occupational Safety & Health
TLV: Threshold Limit Value
PEL: Permissible Exposure Limit
REL: Recommended Exposure Limit
BEI: Biological Exposure Limit
Flammable Liquids 3: Flammable liquids – Category 3
Sensitization - Skin 1: Skin sensitisation – Category 1
Germ Cell Mutagenicity 1B: Germ cell mutagenicity – Category 1B
Carcinogenicity 1B: Carcinogenicity – Category 1B

US