



# SAFETY DATA SHEET

## SECTION 1) CHEMICAL PRODUCT AND MANUFACTURER'S IDENTIFICATION

**Product ID:** MP2465  
**Product Name:** Montana Big Sky 2K Acrylic Urethane Clearcoat Hardener Fast  
**Revision Date:** Jan 09, 2019 **Date Printed:** May 19, 2020  
**Version:** 1.0 **Supersedes Date:** N.A.  
**Supplier's Name:** Axalta Coating Systems LLC  
**Address:** Applied Corporate Center  
50 Applied Bank Boulevard, Suite 300 Glenn Mills, PA, US, 19342  
**Emergency Phone:** CHEMTREC: 1-800-424-9300  
**Information Phone Number:** 1-855-6-AXALTA  
**Fax:**  
**Product/Recommended Uses:** Industrial Applications

## SECTION 2) HAZARDS IDENTIFICATION

### Classification

Acute toxicity Inhalation - Category 4  
Eye Irritation - Category 2A  
Flammable Liquids - Category 2  
Respiratory Sensitizer (Solid/Liquid) - Category 1  
Skin Sensitizer - Category 1  
Specific Target Organ Toxicity -Single Exposure (Narcotic Effects) - Category 3  
Specific Target Organ Toxicity -Single Exposure (Respiratory Tract Irritation) - Category 3

### Pictograms



### Signal Word

Danger

### Hazardous Statements - Health

H332 - Harmful if inhaled.  
H319 - Causes serious eye irritation.  
H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled.  
H317 - May cause an allergic skin reaction.  
H336 - May cause drowsiness or dizziness.  
H335 - May cause respiratory irritation.

### Hazardous Statements - Physical

H225 - Highly flammable liquid and vapor.

### Precautionary Statements - General

- P101 - If medical advice is needed, have product container or label at hand.
- P102 - Keep out of reach of children.
- P103 - Read label before use.

### Precautionary Statements - Prevention

- P261 - Avoid breathing dust/fume/gas/mist/vapors/spray.
- P271 - Use only outdoors or in a well-ventilated area.
- P264 - Wash hands thoroughly after handling.
- P280 - Wear protective gloves/protective clothing/eye protection/face protection.
- P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- P233 - Keep container tightly closed.
- P240 - Ground/bond container and receiving equipment.
- P241 - Use explosion-proof electrical, ventilating, lighting equipment.
- P242 - Use only non-sparking tools.
- P243 - Take action to prevent static discharges.
- P284 - In case of inadequate ventilation, wear respiratory protection.
- P272 - Contaminated work clothing should not be allowed out of the workplace.

### Precautionary Statements - Response

- P304 + P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.
- P312 - Call a POISON CENTER or doctor, if you feel unwell.
- 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 advice/attention.
- P303 + P361 + P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
- P370 + P378 - In case of fire: Use carbon-dioxide, alcohol foam, water spray or dry chemical to extinguish.
- P342 + P311 - If experiencing respiratory symptoms: Call a POISON CENTER or doctor.
- P302 + P352 - IF ON SKIN: Wash with plenty of water.
- P333 + P313 - If skin irritation or a rash occurs: Get medical advice/attention.
- P321 - Specific treatment (see first-aid on this label).
- P362 + P364 - Take off contaminated clothing. And wash it before reuse.

### Precautionary Statements - Storage

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

### Precautionary Statements - Disposal

P501 - Dispose of contents/container in accordance with local/national/international regulation. Under RCRA it is the responsibility of the user of the products to determine at the time of disposal whether the product meets RCRA criteria for hazardous waste. Waste management should be in full compliance with federal, state and local laws.

### Hazards Not Otherwise Classified (HNOC)

None

## SECTION 3) COMPOSITION / INFORMATION ON INGREDIENTS

CAS	Chemical Name	% By Weight
0028182-81-2	HEXAMETHYLENE DIISOCYANATE POLYMER	29% - 67%
0000108-10-1	METHYL ISOBUTYL KETONE	16% - 22%
0000123-86-4	BUTYL ACETATE	3% - 4%

Specific chemical identity and/or exact percentage (concentration) of the composition has been withheld to protect confidentiality.

## SECTION 4) FIRST-AID MEASURES

### Inhalation

Eliminate all ignition sources if safe to do so. Remove source of exposure or move person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor. If breathing has stopped, trained personnel should begin rescue breathing or, if the heart has stopped, immediately start cardiopulmonary resuscitation (CPR) or automated external defibrillation (AED). IF exposed or concerned: Get medical advice/attention.

### Skin Contact

Take off contaminated clothing, shoes and leather goods (e.g. watchbands, belts). Wash with plenty of lukewarm, gently flowing water for a flushing duration of 15-20 minutes. If skin irritation occurs: Get medical advice/attention. Store clothing under water and wash clothing before re-use (or discard). IF exposed or concerned: Get medical advice/attention.

### Eye Contact

Remove source of exposure. Rinse eyes cautiously with lukewarm, gently flowing water for several minutes, while holding the eyelids open. Remove contact lenses, if present and easy to do. Continue rinsing for a flushing duration of 30 minutes or until medical aid is available. Take care not to rinse contaminated water into the unaffected eye or onto the face. Immediately call a POISON CENTER/doctor.

### Ingestion

Rinse mouth. Do NOT induce vomiting. If vomiting occurs naturally, lie on your side, in the recovery position. IF exposed or concerned: Get medical advice/attention.

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

No data available.

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

No data available.

## SECTION 5) FIRE-FIGHTING MEASURES

### Suitable Extinguishing Media

Dry chemical, foam, carbon dioxide water spray or fog is recommended. Carbon dioxide can displace oxygen. Use caution when applying carbon dioxide in confined spaces. Simultaneous use of foam and water on the same surface is to be avoided as water destroys the foam. Sand or earth may be used for small fires only.

### Unsuitable Extinguishing Media

Do not use water jets.

### Specific Hazards in Case of Fire

Can form explosive air mixtures.

Containers can explode in a fire. Highly flammable with toxic fumes. Give off toxic fumes at high temperatures.

Vapors are heavier than air and may settle in low places or spread a long distance to source of ignition and flash back.

### Fire-Fighting Procedures

Isolate immediate hazard area and keep unauthorized personnel out. Stop spill/release if it can be done safely. Move undamaged containers from immediate hazard area if it can be done safely. Water spray may be useful in minimizing or dispersing vapors and to protect personnel. Water may be ineffective but can be used to cool containers exposed to heat or flame. Caution should be exercised when using water or foam as frothing may occur, especially if sprayed into containers of hot, burning liquid.

Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.

### Special Protective Actions

Wear protective pressure self-contained breathing apparatus (SCBA) and full turnout gear.

## SECTION 6) ACCIDENTAL RELEASE MEASURES

### Emergency Procedure

ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area).

Do not touch or walk through spilled material.

Isolate hazard area and keep unnecessary people away. Remove all possible sources of ignition in the surrounding area. Notify authorities if any exposure to the general public or the environment occurs or is likely to occur.

If spilled material is cleaned up using a regulated solvent, the resulting waste mixture may be regulated.

## Recommended Equipment

Positive pressure, full-facepiece self-contained breathing apparatus (SCBA), or positive pressure supplied air respirator with escape SCBA (NIOSH approved).

## Personal Precautions

Avoid breathing vapor. Avoid contact with skin, eye or clothing. Use explosive proof equipment. Do not touch damaged containers or spilled materials unless wearing appropriate protective clothing.

## Environmental Precautions

Stop spill/release if it can be done safely. Prevent spilled material from entering sewers, storm drains, other unauthorized drainage systems and natural waterways by using sand, earth, or other appropriate barriers.

## Methods and Materials for Containment and Cleaning Up

Contain and collect spilled materials with non-combustible, absorbent material and place in a container for disposal according to local regulations. Dispose via a licensed waste disposal contractor. Contaminated absorbent material may pose the same physical hazards as the product.

Use non-sparking tools.

# SECTION 7) HANDLING AND STORAGE

## General

Wash hands after use.

Do not get in eyes, on skin or on clothing.

Do not breathe vapors or mists.

Use good personal hygiene practices.

Eating, drinking and smoking in work areas is prohibited.

Remove contaminated clothing and protective equipment before entering eating areas.

Eyewash stations and showers should be available in areas where this material is used and stored.

## Ventilation Requirements

Use only with adequate ventilation to control air contaminants to their exposure limits. The use of local ventilation is recommended to control emissions near the source.

## Storage Room Requirements

Keep container(s) tightly closed and properly labeled. Store in cool, dry, well-ventilated areas away from heat, direct sunlight, strong oxidizers and any incompatibilities. Store in approved containers and protect against physical damage. Keep containers securely sealed when not in use. Indoor storage should meet OSHA standards and appropriate fire codes. Containers that have been opened must be carefully resealed to prevent leakage. Empty container retain residue and may be dangerous.

Use non-sparking ventilation systems, approved explosion-proof equipment and intrinsically safe electrical systems in areas where this product is used and stored.

Take precautionary measures against electrostatic discharge. To avoid fire or explosion, dissipate static electricity during transfer by ground and bonding containers and equipment before transferring material.

# SECTION 8) EXPOSURE CONTROLS / PERSONAL PROTECTION

## Eye Protection

Wear eye protection with side shields or goggles. Wear indirect-vent, impact and splash resistant goggles when working with liquids. If additional protection is needed for entire face, use in combination with a face shield.

## Skin Protection

Use of gloves approved to relevant standards made from the following materials may provide suitable chemical protection: PVC, neoprene or nitrile rubber gloves. Suitability and durability of a glove is dependent on usage, e.g. frequency and duration of contact, chemical resistance of glove material, glove thickness, dexterity. Always seek advice from glove suppliers. Contaminated gloves should be replaced. Use of an apron and over-boots of chemically impervious materials such as neoprene or nitrile rubber is recommended to avoid skin sensitization. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace. Launder soiled clothes or properly disposed of contaminated material, which cannot be decontaminated.

## Respiratory Protection

If engineering controls do not maintain airborne concentrations to a level which is adequate to protect worker, a respiratory protection program that meets or is equivalent to OSHA 29 CFR 1910.134 and ANSI Z88.2 should be followed. Check with respiratory protective equipment suppliers.

Use NIOSH approved air supplier full face piece or head covering respirator suitable for organic vapors/particulates as required.

## Appropriate Engineering Controls

Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value.

Chemical Name	OSHA TWA (ppm)	OSHA TWA (mg/m3)	OSHA STEL (ppm)	OSHA STEL (mg/m3)	OSHA Tables (Z1, Z2, Z3)	OSHA Carcinogen	OSHA Skin designation	NIOSH TWA (ppm)
BUTYL ACETATE	150	710			1			150
HEXAMETHYLENE DIISOCYANATE								0.005
METHYL ISOBUTYL KETONE	100	410			1			50

Chemical Name	NIOSH TWA (mg/m3)	NIOSH STEL (ppm)	NIOSH STEL (mg/m3)	NIOSH Carcinogen	ACGIH TWA (ppm)	ACGIH TWA (mg/m3)	ACGIH STEL (ppm)	ACGIH STEL (mg/m3)
BUTYL ACETATE	710	200	950		50		150	
HEXAMETHYLENE DIISOCYANATE	0.035				0.005			
METHYL ISOBUTYL KETONE	205	75	300		20		75	

Chemical Name	ACGIH Carcinogen	ACGIH Notations	ACGIH TLV Basis
BUTYL ACETATE			Eye & URT irr
HEXAMETHYLENE DIISOCYANATE		BEI	URT irr; resp sens
METHYL ISOBUTYL KETONE	A3	A3; BEI	URT irr; dizziness; headache

A3 - Confirmed Animal Carcinogen with Unknown Relevance to Humans, BEI - Substances for which there is a Biological Exposure Index or Indices, irr - Irritation, resp - respiratory, sens - sensitization, URT - Upper respiratory tract

The information in this Section does not list non-hazardous components that might have relevant ACGIH Carcinogen, ACGIH Notations, ACGIH TLV Basis, NIOSH TWA (mg/m3), NIOSH STEL (ppm), NIOSH STEL (mg/m3), ACGIH TWA (ppm), ACGIH TWA (mg/m3), ACGIH STEL (ppm), OSHA TWA (ppm), OSHA TWA (mg/m3), OSHA Tables (Z1, Z2, Z3), OSHA Skin designation, NIOSH TWA (ppm) regulatory values, if they are present at less than 100%. Please contact manufacturer for more information.

## SECTION 9) PHYSICAL AND CHEMICAL PROPERTIES

### Physical and Chemical Properties

Density	8.01 lb/gal
% Solids By Weight	47.84%
Density VOC	4.18 lb/gal
% VOC	52.15%
Specific Gravity	0.96
Material VOC(lb/gal)	4.18 lb/gal
Coating VOC(lb/gal)	4.18 lb/gal

---

Appearance	Viscous Liquid
Odor Description	Pungent
Odor Threshold	N/A
pH	N/A

Melting Point	N/A
Freezing Point	N/A
Low Boiling Point	>35 °C
Flash Point	<23 °C
Evaporation Rate	N/A
Flammability	N/A
Upper Explosion Level (%)	N/A
Lower Explosion Level (%)	N/A
Vapor Pressure	N/A
Vapor Density	N/A
Water Solubility	N/A
Coefficient Water/Oil	N/A
Auto Ignition Temp	N/A
Decomposition Pt	N/A
Viscosity	N/A

## SECTION 10) STABILITY AND REACTIVITY

### Stability

Stable under normal conditions.

### Conditions to Avoid

Avoid all possible sources of ignition. Prone to ignite by static.

### Hazardous Reactions/Polymerization

No data available.

### Incompatible Materials

Keep away from: explosives, toxic gases, oxidizing substances, organic peroxides, poisonous (toxic) substance, infectious substances (biohazards).

### Hazardous Decomposition Products

Oxides of carbon.

## SECTION 11) TOXICOLOGICAL INFORMATION

### Likely route of exposure

Inhalation, ingestion, skin contact, eye contact, skin absorption.

### Skin Corrosion/Irritation

0000123-86-4 BUTYL ACETATE

May cause effects on the central nervous system.

### Serious Eye Damage/Irritation

Causes serious eye irritation.

0000108-10-1 METHYL ISOBUTYL KETONE

Contact can irritate and burn the eyes.

0000123-86-4 BUTYL ACETATE

Can severely irritate and burn the skin.

### Respiratory/Skin Sensitization

May cause allergy or asthma symptoms or breathing difficulties if inhaled.

May cause an allergic skin reaction.

0000108-10-1 METHYL ISOBUTYL KETONE

Prolonged contact can cause a skin rash, dryness and redness. Breathing can irritate the nose and throat causing coughing and wheezing.

Prolonged contact can cause a skin rash, dryness and redness.

0000123-86-4 BUTYL ACETATE

Can severely irritate and burn the eyes.

### Germ Cell Mutagenicity

No data available.

### Carcinogenicity

No data available.

### Reproductive Toxicity

0000123-86-4 BUTYL ACETATE

Can irritate the respiratory tract.

### Specific Target Organ Toxicity - Single Exposure

May cause drowsiness or dizziness

May cause respiratory irritation.

0000108-10-1 METHYL ISOBUTYL KETONE

Exposure to high concentrations can cause you to feel dizzy and lightheaded, and to pass out.

May damage the liver and kidneys. Exposure to high concentrations can cause you to feel dizzy and lightheaded, and to pass out.

### Specific Target Organ Toxicity - Repeated Exposure

No data available.

### Aspiration Hazard

No data available.

### Acute Toxicity

Harmful if inhaled.

0000108-10-1 METHYL ISOBUTYL KETONE

Breathing the vapor can cause headache, loss of appetite, nausea, vomiting, and diarrhea.

### Likely Routes of Exposure

Inhalation, Ingestion, Skin contact, Eye contact

0000108-10-1 METHYL ISOBUTYL KETONE

Can be absorbed into the body by inhalation of its vapor and by ingestion.

The substance can be absorbed into the body in inhalation of its vapour and by ingestion.

### Potential Health Effects - Miscellaneous

0000108-10-1 METHYL ISOBUTYL KETONE

The following medical conditions may be aggravated by exposure: asthma, respiratory disease, eye disorders, pulmonary conditions, skin disorders. Repeated or prolonged skin contact may cause any of the following: dryness, cracking of the skin, defatting. Inhalation may cause any of the following: dizziness, stupor (central nervous system depression), drowsiness, respiratory tract irritation.

0000123-86-4 BUTYL ACETATE

May cause abnormal liver function. The following medical conditions may be aggravated by exposure: respiratory system. Tests for embryotoxic activity in animals has been inconclusive. Rats exposed to very high airborne levels have exhibited high frequency hearing deficits. The significance of this to man is unknown. Has been toxic to the fetus in laboratory animals at doses that are toxic to the mother.

0028182-81-2 HEXAMETHYLENE DIISOCYANATE POLYMER

Overexposure may cause asthma-like reactions with shortness of breath, wheezing, cough, which may be permanent; or permanent lung sensitization. This effect may be delayed for several hours after exposure. The following medical conditions may be aggravated by exposure: asthma, skin disorders, respiratory disorders. Potential skin sensitizer that may cause allergic reactions and contact dermatitis resulting in severe irritation, dryness, and cracking of the skin. Skin or eye contact may cause any of the following: irritation.

0000123-86-4 BUTYL ACETATE

LC50 (rat): 1802 mg/m<sup>3</sup>; 4-hour exposure (aerosol)(9) Note: A lower LC50 (aerosol) value of 760 mg/m<sup>3</sup> (160 ppm); 4-hour exposure has been reported.(11,27) Extensive research has failed to confirm this value.

LD50 (oral, rat): 10770 mg/kg (12, unconfirmed)

LD50 (oral, mouse): 7100 mg/kg (5)

LD50 (oral, rabbit): 7400 mg/kg (cited as 64 millimols/kg) (13)

LD50 (dermal, rabbit): Greater than 5000 mg/kg (3, unconfirmed)

0000822-06-0     HEXAMETHYLENE DIISOCYANATE

LC50 (rat): 310-350 mg/m3 (45-51 ppm) (4-hour exposure) (1,2)  
LC50 (rat): 274 mg/m3 (40 ppm) (1-hour exposure); 137 mg/m3 (20 ppm) (equivalent 4-hour exposure) (2)  
LC50 (mouse): 30 mg/m3 (4.4 ppm) (2-hour exposure); 21.2 mg/m3 (3.1 ppm)  
LD50 (oral, rat): 710 mg/kg (1); 738 mg/kg (2); 960 mg/kg (2)  
LD50 (oral, mouse): 350 mg/kg; 1980 mg/kg (2)  
LD50 (dermal, rabbit): 570 mg/kg (1); 593 mg/kg (2)

0000108-10-1     METHYL ISOBUTYL KETONE

LC50 (rat): 2000 - 4000 ppm (4-hour exposure) (1)  
LD50 (oral, rat): 2,080 mg/kg (1)  
LD50 (oral, male mouse): 1,200 mg/kg; cited as 1.5 mL/kg (3)  
LD50 (dermal, rabbit): greater than 3000 mg/kg (9)

## SECTION 12) ECOLOGICAL INFORMATION

### Other Adverse Effects

No data available.

### Toxicity

0000123-86-4 BUTYL ACETATE

Readily biodegradable

### Persistence and Degradability

0000108-10-1 METHYL ISOBUTYL KETONE

Readily biodegradable.

0000123-86-4 BUTYL ACETATE

Readily biodegradable

### Bio-accumulative Potential

No data available.

### Mobility in soil

No data available.

### Other Adverse Effect

No data available.

### Results of the PBT and vPvB assessment

0000108-10-1 METHYL ISOBUTYL KETONE

The substance is not PBT / vPvB

0000123-86-4 BUTYL ACETATE

The substance is not PBT / vPvB

## SECTION 13) DISPOSAL CONSIDERATIONS

### Waste Disposal

Under RCRA it is the responsibility of the user of the product to determine at the time of disposal whether the product meets RCRA criteria for hazardous waste. Waste management should be in full compliance with federal, state and local laws. Empty Containers retain product residue which may exhibit hazards of material, therefore do not pressurize, cut, glaze, weld or use for any other purposes. Return drums to reclamation centers for proper cleaning and reuse.

## SECTION 14) TRANSPORT INFORMATION



	U.S. DOT Information	IMDG Information	IATA Information
UN number:	UN1263	UN1263	UN1263
Proper shipping name:	Paint related material	Paint related material	Paint related material
Hazard class:	3	3	3
Packaging group:	II	II	II
Hazardous substance (RQ):	No Data Available		
Marine Pollutant:	No Data Available	No Data Available	
Note / Special Provision:	No Data Available	No Data Available	No Data Available
Toxic-Inhalation Hazard:	No Data Available		

## SECTION 15) REGULATORY INFORMATION

Error: Subreport could not be shown.

## SECTION 16) OTHER INFORMATION

### Glossary

ACGIH- American Conference of Governmental Industrial Hygienists; ANSI- American National Standards Institute; Canadian TDG Canadian Transportation of Dangerous Goods; CAS- Chemical Abstract Service; Chemtrec- Chemical Transportation Emergency Center (US); CHIP- Chemical Hazard Information and Packaging; DSL- Domestic Substances List; EC- Equivalent Concentration; EH40 (UK)- HSE Guidance Note EH40 Occupational Exposure Limits; EPCRA- Emergency Planning and Community Right-To-Know Act; ESL- Effects screening levels; HMIS- Hazardous Material Information Service; LC- Lethal Concentration; LD- Lethal Dose; NFPA- National Fire Protection Association; OEL- Occupational Exposure Limits; OSHA- Occupational Safety and Health Administration, US Department of Labor; PEL- Permissible Exposure Limit; SARA (Title III)- Superfund Amendments and Reauthorization Act; SARA 313- Superfund Amendments and Reauthorization Act, Section 313; SCBA- Self-Contained Breathing Apparatus; STEL- Short Term Exposure Limit; TCEQ - Texas Commission on Environmental Quality; TLV- Threshold Limit Value; TSCA- Toxic Substances Control Act Public Law 94-469; TWA - Time Weighted Value; US DOT- US Department of Transportation; WHMIS- Workplace Hazardous Materials Information System.

### HMIS

Health	/ 2
FLAMMABILITY	4
Physical Hazard	0
Personal Protection	1

(\*) - Chronic effects

Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks

## DISCLAIMER

To the best of our knowledge, the information contained herein is accurate. However, neither the above named manufacturer nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist. The above information pertains to this product as currently formulated, and is based on the information available at this time. Addition of reducers or other additives to this product may substantially alter the composition and hazards of the product. Since conditions of use are outside our control, we make no warranties, express or implied, and assume no liability in connection with any use of this information.