

SECTION 1 Identification

1.1. Product identifier

Product code : 62860119000
Product name : ASTROLANE EZ TOPCOAT KIT :
Product form Mixture

1.2. Other means of identification

No additional information available

1.3. Recommended use of the chemical and restrictions on use

No additional information available

1.4. Supplier's details

Brunswick Bowling Products, LLC
525 W. Laketon Avenue
Muskegon, MI. 49441 USA

1.5. Emergency phone number

Emergency number : INFOTRAC 1-800-535-5053 | 1-352-323-3500 (Outside the U.S.)
24 Hour Chemical Emergency Response: (Spill, Leak, Fire, Exposure or Accident)

SECTION 2 Hazard Identification

2.1. Classification of the substance or mixture

GHS US classification

Flammable liquid, Category 2	H225	Highly flammable liquid and vapor.
Acute toxicity (inhalation:dust,mist), Category 4	H332	Harmful if inhaled.
Skin corrosion/irritation, Category 2	H315	Causes skin irritation.
Serious eye damage/eye irritation, Category 2	H319	Causes serious eye irritation.
Respiratory sensitization, Category 1	H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
Skin sensitization, Category 1	H317	May cause an allergic skin reaction.
Carcinogenicity, Category 2	H351	Suspected of causing cancer.
Specific target organ toxicity – Single exposure, Category 3, Respiratory tract irritation	H335	May cause respiratory irritation.
Specific target organ toxicity — Repeated exposure, Category 2	H373	May cause damage to organs through prolonged or repeated exposure.
Hazardous to the aquatic environment — Acute Hazard, Category 2	H401	Toxic to aquatic life.
Hazardous to the aquatic environment — Chronic Hazard, Category 2	H411	Toxic to aquatic life with long lasting effects.

Full text of H statements : see section 16

62860119000 ASTROLANE EZ TOPCOAT KIT

Safety Data Sheet

according to 29 CFR § 1910.1200, Hazard Communication Standard (HCS)

2.2. Label elements

GHS US labeling

Hazard pictograms (GHS US)



Signal word (GHS US)

: Danger

Hazard statements (GHS US)

: H225 - Highly flammable liquid and vapor
H315 - Causes skin irritation
H317 - May cause an allergic skin reaction
H319 - Causes serious eye irritation
H332 - Harmful if inhaled
H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled
H335 - May cause respiratory irritation
H351 - Suspected of causing cancer.
H373 - May cause damage to organs through prolonged or repeated exposure
H401 - Toxic to aquatic life
H411 - Toxic to aquatic life with long lasting effects

Precautionary statements (GHS US)

: P201 - Obtain special instructions before use.
P202 - Do not handle until all safety precautions have been read and understood.
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 equipment.
P242 - Use non-sparking tools.
P243 - Take action to prevent static discharges.
P260 - Do not breathe dust, fume, gas, mist, vapors, spray.
P264 - Wash hands, forearms and face thoroughly after handling.
P271 - Use only outdoors or in a well-ventilated area.
P272 - Contaminated work clothing must not be allowed out of the workplace.
P273 - Avoid release to the environment.
P280 - Wear protective gloves.
P284 - Wear respiratory protection.
P302+P352 - If on skin: Wash with plenty of water.
P303+P361+P353 - If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304+P340 - If inhaled: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308+P313 - If exposed or concerned: Get medical advice/attention.
P312 - Call a poison center or doctor if you feel unwell.
P314 - Get medical advice or attention if you feel unwell.
P321 - Specific treatment (see supplemental first aid instruction on this label).
P333+P313 - If skin irritation or rash occurs: Get medical advice or attention.
P337+P313 - If eye irritation persists: Get medical advice or attention.
P342+P311 - If experiencing respiratory symptoms: Call a poison center or doctor.
P362+P364 - Take off contaminated clothing and wash it before reuse.
P370+P378 - In case of fire: Use appropriate media to extinguish.
P391 - Collect spillage.
P403+P233 - Store in a well-ventilated place. Keep container tightly closed.
P403+P235 - Store in a well-ventilated place. Keep cool.
P405 - Store locked up.
P501 - Dispose of contents and/or container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulations.

62860119000 ASTROLANE EZ TOPCOAT KIT

Safety Data Sheet

according to 29 CFR § 1910.1200, Hazard Communication Standard (HCS)

2.3. Hazards associated with known or reasonably anticipated uses

No additional information available

2.4. Hazards not otherwise classified

No additional information available

2.5. Unknown acute toxicity

89.09% of the mixture consists of ingredient(s) of unknown acute toxicity (Oral)

94.87% of the mixture consists of ingredient(s) of unknown acute toxicity (Dermal)

79.22% of the mixture consists of ingredient(s) of unknown acute toxicity (Inhalation (Dust/Mist))

SECTION 3 Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	GHS US classification
solvent naphtha (petroleum), light aromatic	CAS-No.: 64742-95-6	17.283	Flam. Liq. 2, H225 Carc. 2, H351 Asp. Tox. 1, H304 Aquatic Acute 2, H401 Aquatic Chronic 2, H411
Diphenyl methane diisocyanate ; 4,4'-Methylenediphenyldiisocyanate	CAS-No.: 101-68-8	12.973	Acute Tox. 4 (Inhalation), H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Resp. Sens. 1, H334 Skin Sens. 1, H317 Carc. 2, H351 STOT SE 3, H335 STOT RE 2, H373 Aquatic Chronic 4, H413
Butyl acetate	CAS-No.: 123-86-4	3.104	Flam. Liq. 2, H225 STOT SE 3, H336 Aquatic Acute 3, H402 Aquatic Chronic 3, H412
1,2,4-trimethylbenzene	CAS-No.: 95-63-6	2.68	Flam. Liq. 3, H226 Acute Tox. 4 (Inhalation), H332 Acute Tox. 4 (Inhalation:dust,mist), H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335 Aquatic Acute 2, H401 Aquatic Chronic 2, H411
mesitylene	CAS-No.: 108-67-8	2.68	Flam. Liq. 3, H226 STOT SE 3, H335 Aquatic Acute 2, H401 Aquatic Chronic 2, H411

62860119000 ASTROLANE EZ TOPCOAT KIT

Safety Data Sheet

according to 29 CFR § 1910.1200, Hazard Communication Standard (HCS)

Name	Product identifier	%	GHS US classification
1,2,3-trimethylbenzene	CAS-No.: 526-73-8	2.68	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335 Aquatic Acute 2, H401 Aquatic Chronic 2, H411
cumene	CAS-No.: 98-82-8	0.67	Flam. Liq. 3, H226 Carc. 2, H351 STOT SE 3, H335 Asp. Tox. 1, H304 Aquatic Acute 2, H401 Aquatic Chronic 2, H411
1-Isocyanato-2-[(4-isocyanatophenyl)methyl]benzene	CAS-No.: 5873-54-1	0.295	Acute Tox. 4 (Inhalation:dust,mist), H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Resp. Sens. 1, H334 Skin Sens. 1, H317 Carc. 2, H351 STOT SE 3, H335 STOT RE 2, H373 Aquatic Chronic 4, H413
ethylbenzene	CAS-No.: 100-41-4	0.134	Flam. Liq. 3, H226 Acute Tox. 4 (Inhalation), H332 Carc. 2, H351 STOT RE 2, H373 Asp. Tox. 1, H304 Aquatic Acute 2, H401 Aquatic Chronic 2, H411

Full text of hazard classes and H-statements : see section 16

SECTION 4 First aid measures

4.1. Description of necessary first-aid measures

First-aid measures general	: IF exposed or concerned: Get medical advice/attention. Call a poison center/doctor/physician if you feel unwell.
First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing. Call a poison center/doctor/physician if you feel unwell.
First-aid measures after skin contact	: Rinse skin with water/shower. Remove/Take off immediately all contaminated clothing. If skin irritation or rash occurs: Get medical advice/attention.
First-aid measures 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.
First-aid measures after ingestion	: Call a poison center/doctor/physician if you feel unwell.

4.2. Most important symptoms/effects, acute and delayed

Symptoms/effects after inhalation	: Harmful if inhaled. May cause respiratory irritation. May cause allergy or asthma symptoms or breathing difficulties if inhaled.
Symptoms/effects after skin contact	: Irritation. May cause an allergic skin reaction.
Symptoms/effects after eye contact	: Eye irritation.
Symptoms/effects after ingestion	: None under normal conditions.

62860119000 ASTROLANE EZ TOPCOAT KIT

Safety Data Sheet

according to 29 CFR § 1910.1200, Hazard Communication Standard (HCS)

4.3. Indication of immediate medical attention and special treatment needed, if necessary

Other medical advice or treatment : Treat symptomatically.

SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide.
Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Specific hazards arising from the chemical

Fire hazard : Highly flammable liquid and vapor.
Explosion hazard : No direct explosion hazard.
Hazardous decomposition products in case of fire : Toxic fumes may be released.

5.3. Special protective equipment and precautions for fire-fighters

Firefighting instructions : Fight fire from safe distance and protected location. Do not enter fire area without proper protective equipment, including respiratory protection.
Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6 Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Stop leak if safe to do so. Notify authorities if product enters sewers or public waters. Absorb spillage to prevent material-damage.

For non-emergency personnel

Protective equipment : Wear recommended personal protective equipment.
Emergency procedures : Ventilate spillage area. No open flames, no sparks, and no smoking. Do not breathe dust/fume/gas/mist/vapors/spray. Avoid contact with skin and eyes.

For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".
Emergency procedures : Evacuate unnecessary personnel. Stop leak if safe to do so.
Environmental precautions : Avoid release to the environment.

6.2. Methods and materials for containment and cleaning up

For containment : Collect spillage. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Stop leak, if possible without risk.
Methods for cleaning up : Take up liquid spill into absorbent material. Notify authorities if product enters sewers or public waters.
Other information : Dispose of materials or solid residues at an authorized site.

For further information refer to section 13

62860119000 ASTROLANE EZ TOPCOAT KIT

Safety Data Sheet

according to 29 CFR § 1910.1200, Hazard Communication Standard (HCS)

SECTION 7 Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling	: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ground/bond container and receiving equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Flammable vapors may accumulate in the container. Use explosion-proof equipment. Wear personal protective equipment. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not breathe dust/fume/gas/mist/vapors/spray. Use only outdoors or in a well-ventilated area. Avoid contact with skin and eyes.
Hygiene measures	: Wash contaminated clothing before reuse. Contaminated work clothing should not be allowed out of the workplace. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.
Additional hazards when processed	: Not expected to present a significant hazard under anticipated conditions of normal use.

7.2. Conditions for safe storage, including incompatibilities

Technical measures	: Ground/bond container and receiving equipment.
Storage conditions	: Store in a well-ventilated place. Keep cool. Keep container tightly closed. Store locked up.
Packaging materials	: Always store product in container of same material as original container.

SECTION 8 Exposure controls/personal protection

8.1. Control parameters

Butyl acetate (123-86-4)	
USA - ACGIH - Occupational Exposure Limits	
Local name	n-Butyl acetate
ACGIH® TLV® TWA	50 ppm
ACGIH® TLV® STEL	150 ppm
Remark (ACGIH®)	TLV® Basis: Eye & URT irr
Regulatory reference	ACGIH 2024
USA - OSHA - Occupational Exposure Limits	
Local name	n-Butyl-acetate
OSHA PEL TWA	710 mg/m³
	150 ppm
Regulatory reference (US-OSHA)	OSHA Annotated Table Z-1
USA - Cal/OSHA - Occupational Exposure Limits	
Local name	n-Butyl acetate
Cal/OSHA PEL (OEL TWA)	710 mg/m³
	150 ppm
Cal/OSHA STEL	950 mg/m³
	200 ppm
Remark (Cal/OSHA)	S - Skin notation and Protecting Clothing
Regulatory reference	California Division of Occupational Safety and Health (Cal/OSHA) - Permissible Exposure Limit for Chemical Contaminants (Table AC-1)

62860119000 ASTROLANE EZ TOPCOAT KIT

Safety Data Sheet

according to 29 CFR § 1910.1200, Hazard Communication Standard (HCS)

Butyl acetate (123-86-4)	
USA - NIOSH - Occupational Exposure Limits	
Local name	n-Butyl-acetate
NIOSH REL 10h TWA	150 ppm
NIOSH REL STEL	200 ppm
Regulatory reference (US-NIOSH)	OSHA Annotated Table Z-1 (NIOSH Pocket Guide to Chemical Hazards (NPG))
1,2,4-trimethylbenzene (95-63-6)	
USA - ACGIH - Occupational Exposure Limits	
Local name	1,2,4-Trimethyl benzene
ACGIH® TLV® TWA	10 ppm
Remark (ACGIH®)	TLV® Basis: CNS impair; hematologic eff. Notations: A4 (Not classifiable as a Human Carcinogen)
Regulatory reference	ACGIH 2024
mesitylene (108-67-8)	
USA - ACGIH - Occupational Exposure Limits	
Local name	1,3,5-Trimethyl benzene
ACGIH® TLV® TWA	10 ppm
Remark (ACGIH®)	TLV® Basis: CNS impair; hematologic eff
Regulatory reference	ACGIH 2024
USA - Cal/OSHA - Occupational Exposure Limits	
Local name	1,3,5-Trimethylbenzene [Mesitylene]
Cal/OSHA PEL (OEL TWA)	125 mg/m ³
	25 ppm
Regulatory reference	California Division of Occupational Safety and Health (Cal/OSHA) - Permissible Exposure Limit for Chemical Contaminants (Table AC-1)
1,2,3-trimethylbenzene (526-73-8)	
USA - ACGIH - Occupational Exposure Limits	
Local name	1,2,3-Trimethyl benzene
ACGIH® TLV® TWA	10 ppm
	10 ppm
Remark (ACGIH®)	TLV® Basis: CNS impair; hematologic eff
Regulatory reference	ACGIH 2024
cumene (98-82-8)	
USA - ACGIH - Occupational Exposure Limits	
Local name	Cumene
ACGIH® TLV® TWA	5 ppm
Remark (ACGIH®)	TLV® Basis: URT adenoma; neurological eff. Notations: A3 (Confirmed Animal Carcinogen with Unknown Relevance to Humans)
Regulatory reference	ACGIH 2024

62860119000 ASTROLANE EZ TOPCOAT KIT

Safety Data Sheet

according to 29 CFR § 1910.1200, Hazard Communication Standard (HCS)

cumene (98-82-8)	
USA - OSHA - Occupational Exposure Limits	
Local name	Cumene
OSHA PEL TWA	245 mg/m ³
	50 ppm
Regulatory reference (US-OSHA)	OSHA Annotated Table Z-1
USA - Cal/OSHA - Occupational Exposure Limits	
Local name	Cumene; isopropylbenzene
Cal/OSHA PEL (OEL TWA)	5 mg/m ³
Remark (Cal/OSHA)	S - Skin notation and Protecting Clothing
Regulatory reference	California Division of Occupational Safety and Health (Cal/OSHA) - Permissible Exposure Limit for Chemical Contaminants (Table AC-1)
USA - NIOSH - Occupational Exposure Limits	
Local name	Cumene
NIOSH REL 10h TWA	50 ppm
Regulatory reference (US-NIOSH)	OSHA Annotated Table Z-1 (NIOSH Pocket Guide to Chemical Hazards (NPG))
ethylbenzene (100-41-4)	
USA - ACGIH - Occupational Exposure Limits	
Local name	Ethyl benzene
ACGIH® TLV® TWA	20 ppm
Remark (ACGIH®)	TLV® Basis: URT & eye irr; ototoxicity; kidney eff; CNS impair. Notations: OTO (Ototoxicant); A3 (Confirmed Animal Carcinogen with Unknown Relevance to Humans); BEI
Regulatory reference	ACGIH 2024
USA - ACGIH - Biological Exposure Indices	
Local name	Ethyl benzene
BEI	150 mg/g Kreatinin Parameter: Sum of mandelic acid and phenylglyoxylic acid - Medium: urine - Sampling time: End of shift - Notations: Ns
Regulatory reference	ACGIH 2024
USA - OSHA - Occupational Exposure Limits	
Local name	Ethyl benzene
OSHA PEL TWA	435 mg/m ³
	100 ppm
Regulatory reference (US-OSHA)	OSHA Annotated Table Z-1
USA - Cal/OSHA - Occupational Exposure Limits	
Local name	Ethylbenzene
Cal/OSHA PEL (OEL TWA)	22 mg/m ³
	5 ppm
Cal/OSHA STEL	130 mg/m ³
	30 ppm

62860119000 ASTROLANE EZ TOPCOAT KIT

Safety Data Sheet

according to 29 CFR § 1910.1200, Hazard Communication Standard (HCS)

ethylbenzene (100-41-4)	
Regulatory reference	California Division of Occupational Safety and Health (Cal/OSHA) - Permissible Exposure Limit for Chemical Contaminants (Table AC-1)
USA - NIOSH - Occupational Exposure Limits	
Local name	Ethyl benzene
NIOSH REL 10h TWA	100 ppm
NIOSH REL STEL	125 ppm
Regulatory reference (US-NIOSH)	OSHA Annotated Table Z-1 (NIOSH Pocket Guide to Chemical Hazards (NPG))
Diphenyl methane diisocyanate ; 4,4'-Methylenediphenyldiisocyanate (101-68-8)	
USA - ACGIH - Occupational Exposure Limits	
Local name	Methylene bisphenyl isocyanate (MDI)
ACGIH® TLV® TWA	0.051 mg/m³
	0.005 ppm
Remark (ACGIH®)	TLV® Basis: Resp sens
Regulatory reference	ACGIH 2025
USA - OSHA - Occupational Exposure Limits	
Local name	Methylene bisphenyl isocyanate (MDI)
OSHA PEL C	0.2 mg/m³
	0.02 ppm
Regulatory reference (US-OSHA)	OSHA Annotated Table Z-1
USA - Cal/OSHA - Occupational Exposure Limits	
Local name	Methylene bis(phenylisocyanate); MDI; diphenylmethane diisocyanate
Cal/OSHA PEL (OEL TWA)	0.051 mg/m³
	0.005 ppm
Regulatory reference	California Division of Occupational Safety and Health (Cal/OSHA) - Permissible Exposure Limit for Chemical Contaminants (Table AC-1)
USA - NIOSH - Occupational Exposure Limits	
Local name	Methylene bisphenylisocyanate (MDI) [Diphenylmethane diisocyanate]
NIOSH REL C	0.2 mg/m³
	0.02 ppm
Regulatory reference (US-NIOSH)	OSHA Annotated Table Z-1 (NIOSH Pocket Guide to Chemical Hazards (NPG))

8.2. Appropriate engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station.
Environmental exposure controls : Avoid release to the environment.

8.3. Individual protection measures, such as personal protective equipment

Personal protective equipment:

Wear recommended personal protective equipment.

62860119000 ASTROLANE EZ TOPCOAT KIT

Safety Data Sheet

according to 29 CFR § 1910.1200, Hazard Communication Standard (HCS)

Hand protection:
Protective gloves
Eye protection:
Safety glasses
Skin and body protection:
Wear suitable protective clothing
Respiratory protection:
[In case of inadequate ventilation] wear respiratory protection.

Personal protective equipment symbol(s):



SECTION 9 Physical and chemical properties

9.1. Basic physical and chemical properties

Physical state	: Liquid
Color	: Mixture contains one or more component(s) which have the following color(s): Colourless Colourless to light yellow
Odor	: There may be no odor warning properties, odor is subjective and inadequate to warn of overexposure. Mixture contains one or more component(s) which have the following odor: Aromatic odour Pleasant odour Irritating/pungent odour Petroleum-like odour Sweet odour Stuffy odour Mild odour
Odor threshold	: No data available
pH	: No data available
Melting point	: Not applicable
Freezing point	: No data available
Boiling point	: 179 – 308 °F
Flash point	: -17.8 °C 0 °F
Flammability (solid, gas)	: Not applicable.
Vapor pressure	: No data available
Relative vapor density at 20°C	: No data available
Relative density	: 1.013
Density	: 8.43 lb/gal
Coating VOC (lb/gal)	: 2.54 lb/gal
Coating VOC (g/l)	: 303.97 g/l
Material VOC (lb/gal)	: 2.54 lb/gal
Material VOC (g/l)	: 303.97 g/l
Solubility	: No data available
Partition coefficient n-octanol/water (Log Pow)	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity, kinematic	: No data available
Explosion limits	: No data available
Particle characteristics	: No data available

Butyl acetate	
Particle characteristics	No data available

62860119000 ASTROLANE EZ TOPCOAT KIT

Safety Data Sheet

according to 29 CFR § 1910.1200, Hazard Communication Standard (HCS)

solvent naphtha (petroleum), light aromatic

Particle characteristics	No data available
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1,2,4-trimethylbenzene

Particle characteristics	No data available
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mesitylene

Particle characteristics	No data available
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1,2,3-trimethylbenzene

Particle characteristics	No data available
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cumene

Particle characteristics	No data available
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ethylbenzene

Particle characteristics	No data available
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Diphenyl methane diisocyanate ; 4,4'-Methylenediphenyldiisocyanate

Particle characteristics	No data available
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1-Isocyanato-2-[(4-isocyanatophenyl)methyl]benzene

Particle characteristics	No data available
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9.2. Data relevant with regard to physical hazard classes (supplemental)

No additional information available

SECTION 10 Stability and reactivity

10.1. Reactivity

Highly flammable liquid and vapor.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition.

10.5. Incompatible materials

No additional information available

62860119000 ASTROLANE EZ TOPCOAT KIT

Safety Data Sheet

according to 29 CFR § 1910.1200, Hazard Communication Standard (HCS)

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11 Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral) : Not classified
Acute toxicity (dermal) : Not classified
Acute toxicity (inhalation) : Inhalation:dust,mist: Harmful if inhaled.

2K ASTROLANE EZ TOPCOAT KIT	
ATE US (dust, mist)	1.992 mg/l/4h
Unknown acute toxicity (GHS US)	89.09% of the mixture consists of ingredient(s) of unknown acute toxicity (Oral) 94.87% of the mixture consists of ingredient(s) of unknown acute toxicity (Dermal) 79.22% of the mixture consists of ingredient(s) of unknown acute toxicity (Inhalation (Dust/Mist))
Butyl acetate (123-86-4)	
LD50 oral rat	3200 ml/kg Source: ECHA
LD50 dermal rabbit	> 17600 mg/kg Source: ECHA
LC50 Inhalation - Rat (Vapors)	1802 mg/l Source: ECHA
ATE US (oral)	2819840 mg/kg body weight
ATE US (vapors)	1802 mg/l/4h
solvent naphtha (petroleum), light aromatic (64742-95-6)	
LD50 oral rat	> 5000 mg/kg body weight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity)
LD50 dermal rat	> 2000 mg/kg Source: ECHA
LC50 Inhalation - Rat (Vapors)	5.16 mg/l Source: ECHA
ATE US (vapors)	5.16 mg/l/4h
1,2,4-trimethylbenzene (95-63-6)	
LD50 oral rat	6000 mg/kg body weight (Equivalent or similar to EU Method B.1, Rat, Male, Experimental value, Oral, 014 day(s))
LD50 dermal rat	3440 mg/kg (24 h, Rat, Male / female, Read-across, Dermal)
LD50 dermal rabbit	> 3160 mg/kg Source: International Uniform Chemical Information Database
LC50 Inhalation - Rat	> 10.2 mg/l air (4 h, Rat, Male / female, Read-across, Inhalation (vapours), 14 day(s))
LC50 Inhalation - Rat (Vapors)	18 mg/l Source: Corporate Solution From Thomson Micromedex
ATE US (oral)	6000 mg/kg body weight
ATE US (dermal)	3440 mg/kg body weight
ATE US (gases)	4500 ppmV/4h
ATE US (vapors)	18 mg/l/4h
ATE US (dust, mist)	1.5 mg/l/4h

62860119000 ASTROLANE EZ TOPCOAT KIT

Safety Data Sheet

according to 29 CFR § 1910.1200, Hazard Communication Standard (HCS)

mesitylene (108-67-8)	
LD50 oral rat	6000 mg/kg body weight (Equivalent or similar to EU Method B.1, Rat, Male, Read-across, Oral, 14 day(s))
LD50 dermal rat	> 2000 mg/kg bw/day (24 h, Rat, Male / female, Read-across, Dermal)
LC50 Inhalation - Rat	> 10.2 mg/l air (4 h, Rat, Male / female, Read-across, Inhalation, 14 day(s))
LC50 Inhalation - Rat (Dust/Mist)	24 mg/l Source: RTECS
ATE US (oral)	6000 mg/kg body weight
ATE US (dust, mist)	24 mg/l/4h
cumene (98-82-8)	
LD50 oral rat	2700 mg/kg body weight (Equivalent or similar to OECD 401, Rat, Male / female, Experimental value, Oral, 014 day(s))
LD50 dermal rabbit	> 3160 mg/kg body weight (24 h, Rabbit, Male / female, Experimental value, Dermal, 14 day(s))
LC50 Inhalation - Rat	39 mg/l (4 h, Rat, Male, Experimental value, Inhalation (vapours), 14 day(s))
ATE US (oral)	2700 mg/kg body weight
ATE US (vapors)	39 mg/l/4h
ATE US (dust, mist)	39 mg/l/4h
ethylbenzene (100-41-4)	
LD50 oral rat	3500 mg/kg (Rat, Male / female, Experimental value, Oral, 14 day(s))
LD50 dermal rabbit	15433 mg/kg body weight (24 h, Rabbit, Male, Experimental value, Dermal, 14 day(s))
LC50 Inhalation - Rat	17.8 mg/l (4 h, Rat, Male, Experimental value, Inhalation (vapours), 14 day(s))
LC50 Inhalation - Rat [ppm]	4000 ppm Source: ECHA, Harmonized classification of EU CLP
ATE US (oral)	3500 mg/kg body weight
ATE US (dermal)	15433 mg/kg body weight
ATE US (gases)	4000 ppmV/4h
ATE US (vapors)	17.8 mg/l/4h
ATE US (dust, mist)	1.5 mg/l/4h
Diphenyl methane diisocyanate ; 4,4'-Methylenediphenyldiisocyanate (101-68-8)	
LD50 oral rat	> 2000 mg/kg Source: ECHA
LD50 dermal rabbit	> 9400 mg/kg Source: ECHA
ATE US (gases)	4500 ppmV/4h
ATE US (vapors)	11 mg/l/4h
ATE US (dust, mist)	1.5 mg/l/4h
1-Isocyanato-2-[(4-isocyanatophenyl)methyl]benzene (5873-54-1)	
LD50 oral rat	31600 mg/kg Source: ECHA
LD50 dermal rabbit	10000 mg/kg Source: ECHA
ATE US (oral)	31600 mg/kg body weight
ATE US (dermal)	10000 mg/kg body weight
ATE US (dust, mist)	1.5 mg/l/4h

62860119000 ASTROLANE EZ TOPCOAT KIT

Safety Data Sheet

according to 29 CFR § 1910.1200, Hazard Communication Standard (HCS)

Skin corrosion/irritation : Causes skin irritation.

Butyl acetate (123-86-4)	
pH	6.2 Source: ECHA
1,2,4-trimethylbenzene (95-63-6)	
pH	No data available in the literature
cumene (98-82-8)	
pH	No data available in the literature
ethylbenzene (100-41-4)	
pH	Not applicable (non-soluble in water)

Serious eye damage/irritation : Causes serious eye irritation.

Butyl acetate (123-86-4)	
pH	6.2 Source: ECHA
1,2,4-trimethylbenzene (95-63-6)	
pH	No data available in the literature
cumene (98-82-8)	
pH	No data available in the literature
ethylbenzene (100-41-4)	
pH	Not applicable (non-soluble in water)

Respiratory or skin sensitization : May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause an allergic skin reaction.

Germ cell mutagenicity : Not classified

Carcinogenicity : Suspected of causing cancer.

cumene (98-82-8)	
IARC group	2B - Possibly carcinogenic to humans
National Toxicity Program (NTP) Status	Reasonably anticipated to be Human Carcinogen
ethylbenzene (100-41-4)	
IARC group	2B - Possibly carcinogenic to humans
Diphenyl methane diisocyanate ; 4,4'-Methylenediphenyldiisocyanate (101-68-8)	
IARC group	3 - Not classifiable

Reproductive toxicity : Not classified

STOT-single exposure : May cause respiratory irritation.

Butyl acetate (123-86-4)	
STOT-single exposure	May cause drowsiness or dizziness.
1,2,4-trimethylbenzene (95-63-6)	
STOT-single exposure	May cause respiratory irritation.

62860119000 ASTROLANE EZ TOPCOAT KIT

Safety Data Sheet

according to 29 CFR § 1910.1200, Hazard Communication Standard (HCS)

mesitylene (108-67-8)	
STOT-single exposure	May cause respiratory irritation.
1,2,3-trimethylbenzene (526-73-8)	
STOT-single exposure	May cause respiratory irritation.
cumene (98-82-8)	
STOT-single exposure	May cause respiratory irritation.
Diphenyl methane diisocyanate ; 4,4'-Methylenediphenyldiisocyanate (101-68-8)	
STOT-single exposure	May cause respiratory irritation.
1-Isocyanato-2-[(4-isocyanatophenyl)methyl]benzene (5873-54-1)	
STOT-single exposure	May cause respiratory irritation.
STOT-repeated exposure	: May cause damage to organs through prolonged or repeated exposure.
Butyl acetate (123-86-4)	
LOAEL (oral, rat, 90 days)	500 mg/kg body weight Animal: rat, Guideline: EPA OTS 798.2650 (90-Day Oral Toxicity in Rodents)
NOAEL (oral, rat, 90 days)	125 mg/kg body weight Animal: rat, Guideline: EPA OTS 798.2650 (90-Day Oral Toxicity in Rodents)
1,2,4-trimethylbenzene (95-63-6)	
NOAEL (oral, rat, 90 days)	600 mg/kg body weight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents)
NOAEC (inhalation, rat, vapor, 90 days)	1.8 mg/l air Animal: rat, Guideline: OECD Guideline 452 (Chronic Toxicity Studies)
mesitylene (108-67-8)	
NOAEL (oral, rat, 90 days)	600 mg/kg body weight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents)
NOAEC (inhalation, rat, vapor, 90 days)	1.8 mg/l air Animal: rat, Guideline: OECD Guideline 452 (Chronic Toxicity Studies)
ethylbenzene (100-41-4)	
NOAEL (oral, rat, 90 days)	75 mg/kg body weight Animal: rat, Guideline: OECD Guideline 407 (Repeated Dose 28-Day Oral Toxicity Study in Rodents)
STOT-repeated exposure	May cause damage to organs through prolonged or repeated exposure.
Diphenyl methane diisocyanate ; 4,4'-Methylenediphenyldiisocyanate (101-68-8)	
STOT-repeated exposure	May cause damage to organs through prolonged or repeated exposure.
1-Isocyanato-2-[(4-isocyanatophenyl)methyl]benzene (5873-54-1)	
STOT-repeated exposure	May cause damage to organs through prolonged or repeated exposure.
Aspiration hazard	: Not classified
2K ASTROLANE EZ TOPCOAT KIT	
Viscosity, kinematic	No data available
Butyl acetate (123-86-4)	
Viscosity, kinematic	0.83 mm²/s Temp.: '20°C' Parameter: 'kinematic viscosity (in mm²/s)'
solvent naphtha (petroleum), light aromatic (64742-95-6)	
Viscosity, kinematic	< 1 mm²/s Temp.: 'other:' Parameter: 'kinematic viscosity (in mm²/s)'

62860119000 ASTROLANE EZ TOPCOAT KIT

Safety Data Sheet

according to 29 CFR § 1910.1200, Hazard Communication Standard (HCS)

Butyl acetate (123-86-4)	
1,2,4-trimethylbenzene (95-63-6)	
Viscosity, kinematic	0.843 mm²/s (20 °C)
mesitylene (108-67-8)	
Viscosity, kinematic	0.843 mm²/s (20 °C)
1,2,3-trimethylbenzene (526-73-8)	
Viscosity, kinematic	No data available
cumene (98-82-8)	
Viscosity, kinematic	0.74 mm²/s (38 °C)
ethylbenzene (100-41-4)	
Viscosity, kinematic	0.773 mm²/s (20 °C, OECD 114: Viscosity of Liquids)
Diphenyl methane diisocyanate ; 4,4'-Methylenediphenyldiisocyanate (101-68-8)	
Viscosity, kinematic	No data available
1-Isocyanato-2-[(4-isocyanatophenyl)methyl]benzene (5873-54-1)	
Viscosity, kinematic	4.002 mm²/s Temp.: 'other:' Parameter: 'kinematic viscosity (in mm²/s)'
Symptoms/effects after inhalation	: Harmful if inhaled. May cause respiratory irritation. May cause allergy or asthma symptoms or breathing difficulties if inhaled.
Symptoms/effects after skin contact	: Irritation. May cause an allergic skin reaction.
Symptoms/effects after eye contact	: Eye irritation.
Symptoms/effects after ingestion	: None under normal conditions.

SECTION 12 Ecological information

12.1. Ecotoxicity

Ecology - general	: Toxic to aquatic life. Toxic to aquatic life with long lasting effects.
Hazardous to the aquatic environment, short-term (acute)	: Toxic to aquatic life.
Hazardous to the aquatic environment, long-term (chronic)	: Toxic to aquatic life with long lasting effects.

Butyl acetate (123-86-4)	
LC50 - Fish [1]	18 mg/l Source: ECHA
EC50 - Crustacea [1]	44 mg/l Source: ECHA
EC50 72h - Algae [1]	335 mg/l Source: ECHA
EC50 72h - Algae [2]	246 mg/l Test organisms (species): Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricornutum)
LOEC (chronic)	47.6 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
NOEC (chronic)	23.2 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
solvent naphtha (petroleum), light aromatic (64742-95-6)	
LC50 - Fish [1]	9.22 mg/l Source: IUCLID
EC50 - Crustacea [1]	6.14 mg/l Source: IUCLID
EC50 72h - Algae [1]	19 mg/l Source: IUCLID

62860119000 ASTROLANE EZ TOPCOAT KIT

Safety Data Sheet

according to 29 CFR § 1910.1200, Hazard Communication Standard (HCS)

1,2,4-trimethylbenzene (95-63-6)	
LC50 - Fish [1]	7.72 mg/l (96 h, Pimephales promelas, Flow-through system, Fresh water, Experimental value, Lethal)
EC50 - Crustacea [1]	6.14 mg/l Source: International Uniform Chemical Information Database
EC50 96h - Algae [1]	2.356 mg/l (ECOSAR, Algae, Fresh water, QSAR)
mesitylene (108-67-8)	
LC50 - Fish [1]	12.52 mg/l (96 h, Carassius auratus, Flow-through system, Fresh water, Experimental value, Nominal concentration)
EC50 - Crustacea [1]	6.01 mg/l Source: ECOTOX
ErC50 algae	53 mg/l (DIN 38412-9, 48 h, Desmodesmus subspicatus, Static system, Fresh water, Experimental value, Nominal concentration)
NOEC (chronic)	0.4 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
NOEC chronic fish	0.277 mg/l Test organisms (species): other: Duration: '30 d'
1,2,3-trimethylbenzene (526-73-8)	
LC50 - Fish [1]	2.792 mg/l Source: Ecological Structure Activity Relationships
EC50 96h - Algae [1]	2.29 mg/l Source: Ecological Structure Activity Relationships
cumene (98-82-8)	
LC50 - Fish [1]	4.8 mg/l (EPA OTS 797.1400, 96 h, Oncorhynchus mykiss, Flow-through system, Fresh water, Experimental value, GLP)
EC50 - Crustacea [1]	2.14 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Static system, Fresh water, Experimental value, Locomotor effect)
LC50 - Fish [2]	4.8 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri)
EC50 72h - Algae [1]	2.01 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)
EC50 72h - Algae [2]	1.29 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)
ErC50 algae	2.01 mg/l (EU Method C.3, 72 h, Desmodesmus subspicatus, Static system, Fresh water, Experimental value, GLP)
NOEC (chronic)	0.35 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
NOEC chronic fish	0.38 mg/l Test organisms (species): other: Duration: '28 d'
ethylbenzene (100-41-4)	
LC50 - Fish [1]	5.1 mg/l (ASTM, 96 h, Menidia menidia, Flow-through system, Salt water, Experimental value, Lethal)
EC50 - Crustacea [1]	1.8 – 2.4 mg/l (US EPA, 48 h, Daphnia magna, Static system, Fresh water, Experimental value)
EC50 72h - Algae [1]	5.4 mg/l (US EPA, Pseudokirchneriella subcapitata, Static system, Fresh water, Experimental value, Cell numbers)
EC50 72h - Algae [2]	4.9 mg/l Test organisms (species): Skeletonema costatum
EC50 96h - Algae [1]	3.6 mg/l Test organisms (species): Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricornutum)
EC50 96h - Algae [2]	7.7 mg/l Test organisms (species): Skeletonema costatum

62860119000 ASTROLANE EZ TOPCOAT KIT

Safety Data Sheet

according to 29 CFR § 1910.1200, Hazard Communication Standard (HCS)

ethylbenzene (100-41-4)	
LOEC (chronic)	1.7 mg/l Test organisms (species): Ceriodaphnia dubia Duration: '7 d'
NOEC (chronic)	0.96 mg/l Test organisms (species): Ceriodaphnia dubia Duration: '7 d'
Diphenyl methane diisocyanate ; 4,4'-Methylenediphenyldiisocyanate (101-68-8)	
LC50 - Fish [1]	> 3000 mg/l Source: ECHA
NOEC (chronic)	≥ 10 mg/l Test organisms (species): Duration: '21 d'
1-Isocyanato-2-[(4-isocyanatophenyl)methyl]benzene (5873-54-1)	
NOEC (chronic)	≥ 10 mg/l Test organisms (species): Duration: '21 d'
12.2. Persistence and degradability	
2K ASTROLANE EZ TOPCOAT KIT	
Persistence and degradability	Not rapidly degradable
Butyl acetate (123-86-4)	
Persistence and degradability	Not rapidly degradable
solvent naphtha (petroleum), light aromatic (64742-95-6)	
Persistence and degradability	Not rapidly degradable
1,2,4-trimethylbenzene (95-63-6)	
Persistence and degradability	Not readily biodegradable in water.
Chemical oxygen demand (COD)	0.44 g O ₂ /g substance
mesitylene (108-67-8)	
Persistence and degradability	Biodegradable in the soil, Biodegradable in water.
Biochemical oxygen demand (BOD)	0.0957 g O ₂ /g substance
Chemical oxygen demand (COD)	0.319 g O ₂ /g substance
ThOD	3.19 g O ₂ /g substance
1,2,3-trimethylbenzene (526-73-8)	
Persistence and degradability	Non degradable in the soil, Not readily biodegradable in water.
cumene (98-82-8)	
Persistence and degradability	Readily biodegradable in water, Not easily biodegradable in water in anaerobic conditions.
Biochemical oxygen demand (BOD)	1.28 g O ₂ /g substance
Chemical oxygen demand (COD)	2.42 g O ₂ /g substance
ThOD	3.2 g O ₂ /g substance
ethylbenzene (100-41-4)	
Persistence and degradability	Biodegradable in the soil, Readily biodegradable in water.
Biochemical oxygen demand (BOD)	1.44 g O ₂ /g substance
Chemical oxygen demand (COD)	2.1 g O ₂ /g substance
ThOD	3.17 g O ₂ /g substance

62860119000 ASTROLANE EZ TOPCOAT KIT

Safety Data Sheet

according to 29 CFR § 1910.1200, Hazard Communication Standard (HCS)

Diphenyl methane diisocyanate ; 4,4'-Methylenediphenyldiisocyanate (101-68-8)	
Persistence and degradability	Not rapidly degradable
1-Isocyanato-2-[(4-isocyanatophenyl)methyl]benzene (5873-54-1)	
Persistence and degradability	Not rapidly degradable
12.3. Bioaccumulative potential	
Butyl acetate (123-86-4)	
Partition coefficient n-octanol/water (Log Pow)	1.78 Source: HSDB
solvent naphtha (petroleum), light aromatic (64742-95-6)	
Partition coefficient n-octanol/water (Log Pow)	2.1 – 6
1,2,4-trimethylbenzene (95-63-6)	
BCF - Fish [1]	243 (Pimephales promelas, QSAR)
Partition coefficient n-octanol/water (Log Pow)	3.63 (Experimental value, KOWWIN)
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).
mesitylene (108-67-8)	
BCF - Fish [1]	161 (Pimephales promelas, QSAR)
Partition coefficient n-octanol/water (Log Pow)	3.42 (Experimental value)
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).
1,2,3-trimethylbenzene (526-73-8)	
BCF - Fish [1]	133 – 259 (Cyprinus carpio, Literature study)
Partition coefficient n-octanol/water (Log Pow)	3.66 (Experimental value)
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).
cumene (98-82-8)	
BCF - Fish [1]	94.69 l/kg (BCFBAF v3.00, Pisces, Fresh weight)
Partition coefficient n-octanol/water (Log Pow)	3.55 (Experimental value, OECD 107: Partition Coefficient (n-octanol/water): Shake Flask Method, 23 °C)
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).
ethylbenzene (100-41-4)	
BCF - Fish [1]	1 (6 week(s), Oncorhynchus kisutch, Flow-through system, Salt water, Experimental value)
Partition coefficient n-octanol/water (Log Pow)	3.6 (Experimental value, EU Method A.8: Partition Coefficient, 20 °C)
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).
Diphenyl methane diisocyanate ; 4,4'-Methylenediphenyldiisocyanate (101-68-8)	
Partition coefficient n-octanol/water (Log Pow)	4.51 Source: ECHA
1-Isocyanato-2-[(4-isocyanatophenyl)methyl]benzene (5873-54-1)	
Partition coefficient n-octanol/water (Log Pow)	4.51 Source: ECHA

62860119000 ASTROLANE EZ TOPCOAT KIT

Safety Data Sheet

according to 29 CFR § 1910.1200, Hazard Communication Standard (HCS)

12.4. Mobility in soil

1,2,4-trimethylbenzene (95-63-6)

Surface tension	No data available in the literature
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	3.04 (log Koc, Calculated value)
Ecology - soil	Low potential for mobility in soil. May be harmful to plant growth, blooming and fruit formation.

mesitylene (108-67-8)

Surface tension	27.55 mN/m (25 °C, 100 vol %)
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	2.87 (log Koc, Calculated value)
Ecology - soil	Low potential for adsorption in soil. May be harmful to plant growth, blooming and fruit formation.

1,2,3-trimethylbenzene (526-73-8)

Mobility in soil	630 Source: National Library of Medicine/Hazardous Substances Data Bank
Ecology - soil	Adsorbs into the soil.

cumene (98-82-8)

Surface tension	28.2 mN/m (20 °C)
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	2.9 (log Koc, Calculated value)
Ecology - soil	Low potential for adsorption in soil.

ethylbenzene (100-41-4)

Surface tension	71.2 mN/m (23 °C, 0.058 g/l, EU Method A.5: Surface tension)
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	2.71 (log Koc, PCKOCWIN v1.66, QSAR)
Ecology - soil	Low potential for adsorption in soil. Toxic to soil organisms.

12.5. Other adverse effects

Fluorinated greenhouse gases : No

SECTION 13 Disposal considerations

Regional waste regulation	: Disposal must be done according to official regulations.
Waste treatment methods	: Dispose of contents/container in accordance with licensed collector's sorting instructions.
Sewage disposal recommendations	: Disposal must be done according to official regulations.
Product/Packaging disposal recommendations	: Disposal must be done according to official regulations.
Additional information	: Flammable vapors may accumulate in the container. Do not re-use empty containers.

62860119000 ASTROLANE EZ TOPCOAT KIT

Safety Data Sheet

according to 29 CFR § 1910.1200, Hazard Communication Standard (HCS)

SECTION 14 Transport information

DOT	TDG	IMDG	IATA
14.1. UN number			
UN1263	UN1263	1263	1263
14.2. Proper Shipping Name			
Paint	PAINT	PAINT	Paint
14.3. Transport hazard class(es)			
3	3	3	3
			
14.4. Packing group			
II	II	II	II
14.5. Environmental hazards			
Dangerous for the environment: Yes	Dangerous for the environment: Yes	Dangerous for the environment: Yes Marine pollutant: Yes	Dangerous for the environment: Yes
No supplementary information available			

14.6. Transport in bulk

Not applicable

14.7. Special precautions for user

DOT

UN-No. (DOT) : UN1263

62860119000 ASTROLANE EZ TOPCOAT KIT

Safety Data Sheet

according to 29 CFR § 1910.1200, Hazard Communication Standard (HCS)

DOT Special Provisions (49 CFR 172.102)	: 149 - When transported as a limited quantity or a consumer commodity, the maximum net capacity specified in 173.150(b)(2) of this subchapter for inner packaging may be increased to 5 L (1.3 gallons). 367 - For the purposes of documentation and package marking: a. The proper shipping name "Paint related material" may be used for consignments of packages containing "Paint" and "Paint related material" in the same package; b. The proper shipping name "Paint related material, corrosive, flammable" may be used for consignments of packages containing "Paint, corrosive, flammable" and "Paint related material, corrosive, flammable" in the same package; c. The proper shipping name "Paint related material, flammable, corrosive" may be used for consignments of packages containing "Paint, flammable, corrosive" and "Paint related material, flammable, corrosive" in the same package; and d. The proper shipping name "Printing ink related material" may be used for consignments of packages containing "Printing ink" and "Printing ink related material" in the same package. B52 - Notwithstanding the provisions of 173.24b of this subchapter, non-reclosing pressure relief devices are authorized on DOT 57 portable tanks. B131 - When transported by highway, rail, or cargo vessel, waste Paint and Paint related material (UN1263; PG II and PG III), when in plastic or metal inner packagings of not more than 26.5 L (7 gallons), are excepted from the marking requirements in §172.301(a) and (c) and the labeling requirements in §172.400(a), when further packed in the following specification and non-specification bulk outer packagings and under the following conditions: a. Primary receptacles must conform to the general packaging requirements of subpart B of part 173 of this subchapter and may not leak. If they do leak, they must be overpacked in packagings conforming to the specification requirements of part 178 of this subchapter or in salvage packagings conforming to the requirements in §173.12 of this subchapter. b. Primary receptacles must be further packed in non-specification bulk outer packagings such as cubic yard boxes, plastic rigid-wall bulk containers, dump trailers, and roll-off containers. Bulk outer packagings must be liquid tight through design or by the use of lining materials. c. Primary receptacles may also be further packed in specification bulk outer packagings. Authorized specification bulk outer packagings are UN11G fiberboard intermediate bulk containers (IBC) and UN13H4 woven plastic, coated and with liner flexible intermediate bulk containers (FIBCs) meeting the Packing Group II performance level and lined with a plastic liner of at least 6 mil thickness. d. All inner packagings placed inside bulk outer packagings must be blocked and braced to prevent movement during transportation that could cause the container to open or fall over. Specification IBCs and FIBCs are to be secured to a pallet. IB2 - Authorized IBCs: Metal (31A, 31B and 31N); Rigid plastics (31H1 and 31H2); Composite (31HZ1). Additional Requirement: Only liquids with a vapor pressure less than or equal to 110 kPa at 50 C (1.1 bar at 122 F), or 130 kPa at 55 C (1.3 bar at 131 F) are authorized. T4 - 2.65 178.274(d)(2) Normal..... 178.275(d)(3) TP1 - The maximum degree of filling must not exceed the degree of filling determined by the following: Degree of filling = $97 / 1 + a (tr - tf)$ Where: tr is the maximum mean bulk temperature during transport, and tf is the temperature in degrees celsius of the liquid during filling. TP8 - A portable tank having a minimum test pressure of 1.5 bar (150 kPa) may be used when the flash point of the hazardous material transported is greater than 0 C (32 F). TP28 - A portable tank having a minimum test pressure of 2.65 bar (265 kPa) may be used provided the calculated test pressure is 2.65 bar or less based on the MAWP of the hazardous material, as defined in 178.275 of this subchapter, where the test pressure is 1.5 times the MAWP.
DOT Packaging Exceptions (49 CFR 173.xxx)	: 150
DOT Packaging Non Bulk (49 CFR 173.xxx)	: 173
DOT Packaging Bulk (49 CFR 173.xxx)	: 242
DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27)	: 5 L

62860119000 ASTROLANE EZ TOPCOAT KIT

Safety Data Sheet

according to 29 CFR § 1910.1200, Hazard Communication Standard (HCS)

DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75)	: 60 L
DOT Vessel Stowage Location	: B - (i) The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel carrying a number of passengers limited to not more than the larger of 25 passengers, or one passenger per each 3 m of overall vessel length; and (ii) "On deck only" on passenger vessels in which the number of passengers specified in paragraph (k)(2)(i) of this section is exceeded.
TDG	
UN-No. (TDG)	: UN1263
TDG Special Provisions	: 59 - Substances that are listed by name in Schedule 1 must not be transported under this shipping name. Substances transported under this shipping name may contain not more than 20 per cent nitrocellulose if the nitrocellulose contains not more than 12.6 per cent nitrogen (by dry mass), 142 - The following shipping names may be used to meet the requirements of Part 3 (Documentation) and Part 4 (Dangerous Goods Safety Marks) when these dangerous goods are offered for transport in the same means of containment: (a) "PAINT RELATED MATERIAL" may be used for a means of containment containing both paint and paint related material; (b) "PAINT RELATED MATERIAL, CORROSIVE, FLAMMABLE" may be used for a means of containment containing both paint, corrosive, flammable, and paint related material, corrosive, flammable; (c) "PAINT RELATED MATERIAL, FLAMMABLE, CORROSIVE" may be used for a means of containment containing both paint, flammable, corrosive, and paint related material, flammable, corrosive; and (d) "PRINTING INK RELATED MATERIAL" may be used for a means of containment containing both printing ink and printing ink related material. SOR/2014-306 UN1210, UN1263, UN3066, UN3469, UN3470 SOR/2014-152
Explosive Limit and Limited Quantity Index	: 5 L
Excepted quantities (TDG)	: E2
Passenger Carrying Road Vehicle or Passenger Carrying Railway Vehicle Index	: 5 L
Emergency Response Guide (ERG) Number	: 128
IMDG	
Special provision (IMDG)	: 163, 367
Limited quantities (IMDG)	: 5 L
Excepted quantities (IMDG)	: E2
Packing instructions (IMDG)	: P001
Packing provisions (IMDG)	: PP1
IBC packing instructions (IMDG)	: IBC02
Tank instructions (IMDG)	: T4
Tank special provisions (IMDG)	: TP1, TP8, TP28
EmS-No. (Fire)	: F-E - FIRE SCHEDULE Echo - NON-WATER-REACTIVE FLAMMABLE LIQUIDS
EmS-No. (Spillage)	: S-E - SPILLAGE SCHEDULE Echo - FLAMMABLE LIQUIDS, FLOATING ON WATER
Stowage category (IMDG)	: B
Properties and observations (IMDG)	: Miscibility with water depends upon the composition.
IATA	
Special provision (IATA)	: A3, A72, A192
PCA Excepted quantities (IATA)	: E2
PCA Limited quantities (IATA)	: Y341
PCA limited quantity max net quantity (IATA)	: 1L
PCA packing instructions (IATA)	: 353
PCA max net quantity (IATA)	: 5L
CAO packing instructions (IATA)	: 364
CAO max net quantity (IATA)	: 60L
ERG code (IATA)	: 3L

62860119000 ASTROLANE EZ TOPCOAT KIT

Safety Data Sheet

according to 29 CFR § 1910.1200, Hazard Communication Standard (HCS)

SECTION 15 Regulatory information

15.1. Federal regulations

Commercial status of components according to the United States Environmental Protection Agency's Toxic Substances Control Act (TSCA):

Name	CAS-No.	Listing	Commercial status	Flags
Butyl acetate	123-86-4	Present	Active	
solvent naphtha (petroleum), light aromatic	64742-95-6	Present	Active	
1,2,4-trimethylbenzene	95-63-6	Present	Active	
mesitylene	108-67-8	Present	Active	
1,2,3-trimethylbenzene	526-73-8	Present	Active	
cumene	98-82-8	Present	Active	
ethylbenzene	100-41-4	Present	Active	
Diphenyl methane diisocyanate ; 4,4'-Methylenediphenyldiisocyanate	101-68-8	Present	Active	
1-Isocyanato-2-[(4-isocyanatophenyl)methyl]benzene	5873-54-1	Present	Active	

Chemical(s) subject to the reporting requirements of Section 313 or Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR Part 372.

1,2,4-trimethylbenzene	CAS-No. 95-63-6	2.68%
cumene	CAS-No. 98-82-8	0.67%
ethylbenzene	CAS-No. 100-41-4	0.134%
Diphenyl methane diisocyanate ; 4,4'-Methylenediphenyldiisocyanate	CAS-No. 101-68-8	12.973%

Butyl acetate (123-86-4)

CERCLA RQ	5000 lb
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cumene (98-82-8)

Listed on EPA Hazardous Air Pollutant (HAPS)
Listed on EPA HAPs Chronic Dose Response Assessment List - Carcinogens
Listed on EPA HAPs Acute Dose Response Assessment List – Exposure limits

CERCLA RQ	5000 lb
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ethylbenzene (100-41-4)

Listed on EPA Hazardous Air Pollutant (HAPS)
Listed on EPA HAPs Chronic Dose Response Assessment List - Carcinogens
Listed on EPA HAPs Acute Dose Response Assessment List – Exposure limits

CERCLA RQ	1000 lb
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62860119000 ASTROLANE EZ TOPCOAT KIT

Safety Data Sheet

according to 29 CFR § 1910.1200, Hazard Communication Standard (HCS)

Diphenyl methane diisocyanate ; 4,4'-Methylenediphenyldiisocyanate (101-68-8)

Listed on EPA Hazardous Air Pollutant (HAPS)

Listed on EPA HAPs Chronic Dose Response Assessment List - Carcinogens

Listed on EPA HAPs Acute Dose Response Assessment List – Exposure limits

CERCLA RQ

5000 lb

15.2. International regulations

CANADA

Butyl acetate (123-86-4)

Listed on the Canadian DSL (Domestic Substances List)

solvent naphtha (petroleum), light aromatic (64742-95-6)

Listed on the Canadian DSL (Domestic Substances List)

1,2,4-trimethylbenzene (95-63-6)

Listed on the Canadian DSL (Domestic Substances List)

mesitylene (108-67-8)

Listed on the Canadian DSL (Domestic Substances List)

1,2,3-trimethylbenzene (526-73-8)

Listed on the Canadian DSL (Domestic Substances List)

cumene (98-82-8)

Listed on the Canadian DSL (Domestic Substances List)

ethylbenzene (100-41-4)

Listed on the Canadian DSL (Domestic Substances List)

Diphenyl methane diisocyanate ; 4,4'-Methylenediphenyldiisocyanate (101-68-8)

Listed on the Canadian DSL (Domestic Substances List)

1-Isocyanato-2-[(4-isocyanatophenyl)methyl]benzene (5873-54-1)

Listed on the Canadian DSL (Domestic Substances List)

EU-Regulations

No additional information available

National regulations

Butyl acetate (123-86-4)

Listed on INSQ (Mexican National Inventory of Chemical Substances)

solvent naphtha (petroleum), light aromatic (64742-95-6)

Listed on INSQ (Mexican National Inventory of Chemical Substances)

62860119000 ASTROLANE EZ TOPCOAT KIT

Safety Data Sheet

according to 29 CFR § 1910.1200, Hazard Communication Standard (HCS)

1,2,4-trimethylbenzene (95-63-6)

Listed on INSQ (Mexican National Inventory of Chemical Substances)

mesitylene (108-67-8)

Listed on INSQ (Mexican National Inventory of Chemical Substances)

cumene (98-82-8)

Listed on IARC (International Agency for Research on Cancer)
Listed as carcinogen on NTP (National Toxicology Program)
Listed on EPA HAPs Chronic Dose Response Assessment List - Carcinogens
Listed on EPA HAPs Acute Dose Response Assessment List – Exposure limits
Listed on INSQ (Mexican National Inventory of Chemical Substances)

ethylbenzene (100-41-4)

Listed on IARC (International Agency for Research on Cancer)
Listed on EPA HAPs Chronic Dose Response Assessment List - Carcinogens
Listed on EPA HAPs Acute Dose Response Assessment List – Exposure limits
Listed on INSQ (Mexican National Inventory of Chemical Substances)

Diphenyl methane diisocyanate ; 4,4'-Methylenediphenyldiisocyanate (101-68-8)

Listed on EPA HAPs Chronic Dose Response Assessment List - Carcinogens
Listed on EPA HAPs Acute Dose Response Assessment List – Exposure limits
Listed on INSQ (Mexican National Inventory of Chemical Substances)

15.3. State regulations



WARNING:

This product can expose you to Cumene, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

SECTION 16 Other information

according to 29 CFR § 1910.1200, Hazard Communication Standard (HCS)

Revision date : 1/16/2026

Issue date : 1/9/2026

Full text of hazard classes and H-statements

H225	Highly flammable liquid and vapor
H226	Flammable liquid and vapor
H304	May be fatal if swallowed and enters airways
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H319	Causes serious eye irritation
H332	Harmful if inhaled
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled
H335	May cause respiratory irritation

62860119000 ASTROLANE EZ TOPCOAT KIT

Safety Data Sheet

according to 29 CFR § 1910.1200, Hazard Communication Standard (HCS)

Full text of hazard classes and H-statements	
H336	May cause drowsiness or dizziness
H351	Suspected of causing cancer.
H373	May cause damage to organs through prolonged or repeated exposure
H401	Toxic to aquatic life
H402	Harmful to aquatic life
H411	Toxic to aquatic life with long lasting effects
H412	Harmful to aquatic life with long lasting effects
H413	May cause long lasting harmful effects to aquatic life

Hazard Rating

Health	: 2 Moderate Hazard - Temporary or minor injury may occur
Flammability	: 3 Serious Hazard - Materials capable of ignition under almost all normal temperature conditions. Includes flammable liquids with flash points below 73 F and boiling points above 100 F. as well as liquids with flash points between 73 F and 100 F. (Classes IB & IC)
Physical	: 0 Minimal Hazard - Materials that are normally stable, even under fire conditions, and will NOT react with water, polymerize, decompose, condense, or self-react. Non-Explosives.
Personal protection	: X - Special handling directions

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.