



## TOUC JET BLACK

Date of compilation: 9/8/2025

Version: 1

### SECTION 1: IDENTIFICATION

**1.1 Product identifier:** TOUC JET BLACK

**Other means of identification:**

Non-applicable

**1.2 Recommended use of the chemical and restrictions on use:**

Relevant uses (Professional users): Paints and varnishes

For Professional users only.

Uses advised against: All uses not specified in this section or in section 7.3

**1.3 Name, U.S. address, and U.S. telephone number of the chemical manufacturer, importer, or other responsible party:**

Logicar Inc.  
1361 NW 155th DR  
FL 33169 Miami - USA  
Phone: 305-685-8044  
info@automotiveartpaints.com  
[https:// www.automotiveartpaints.com](https://www.automotiveartpaints.com)

**1.4 Emergency phone number:** +1(703)527-3887

### SECTION 2: HAZARD(S) IDENTIFICATION

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

**29 CFR 1910.1200:**

Classification of the chemical in accordance with paragraph (d)(1)(i) of §1910.1200

Eye Irrit. 2A: Eye irritation, Category 2A, H319

Flam. Liq. 3: Flammable liquids, Category 3, H226

Skin Irrit. 2: Skin irritation, Category 2, H315

Skin Sens. 1A: Sensitisation, skin, Category 1A, H317

STOT RE 2: Specific target organ toxicity, repeated exposure, Category 2, H373

STOT SE 3: Specific toxicity causing drowsiness and dizziness, single exposure, Category 3, H336

**2.2 Label elements:**

**29 CFR 1910.1200:**

Warning



**Hazard statements:**

H226 - Flammable liquid and vapour.

H315 - Causes skin irritation.

H317 - May cause an allergic skin reaction.

H319 - Causes serious eye irritation.

H336 - May cause drowsiness or dizziness.

H373 - May cause damage to organs through prolonged or repeated exposure.

**Precautionary statements:**

- CONTINUED ON NEXT PAGE -



**TOUC JET BLACK**

Date of compilation: 9/8/2025

Version: 1

**SECTION 2: HAZARD(S) IDENTIFICATION (continued)**

P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P232: Protect from moisture.  
P234: Keep only in original container.  
P235: Keep cool.  
P280: Wear protective gloves/protective clothing/respiratory protection/eye protection/protective footwear.  
P302+P352: IF ON SKIN: Wash with plenty of soap and water.  
P304+P340: IF INHALED: Remove victim to fresh air and keep at rest in a position 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.  
P370+P378: In case of fire: Use Foam extinguisher (AB), Dry Chemical Powder (ABC) Fire Extinguisher, Carbon dioxide extinguisher (BC) to extinguish.  
P403+P233: Store in a well-ventilated place. Keep container tightly closed.  
P410: Protect from sunlight.  
P501: Dispose of contents and / or containers in accordance with regulations on hazardous waste or packaging and packaging waste respectively.

**Substances that contribute to the classification**

N-butyl acetate; Reaction mass of ethylbenzene and xylene; butan-1-ol; maleic anhydride

**2.3 Hazards not otherwise classified (HNOC):**

Non-applicable

**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**

**3.1 Substances:**

Non-applicable

**3.2 Mixtures:**

**Chemical description:** Mixture composed of chemical products

**Components:**

Remaining components are non-hazardous and/or present at amounts below reportable limits. The specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret in accordance with paragraph (i) of §1910.1200. Therefore, in accordance with Appendix D to § 1910.1200, the product contains:

Identification	Chemical name/Classification	Concentration
CAS: 123-86-4	<b>N-butyl acetate</b> Flam. Liq. 3: H226; STOT SE 3: H336 - Warning	25 - <50%
CAS: Non-applicable	<b>Reaction mass of ethylbenzene and xylene</b> Acute Tox. 4: H312+H332; Asp. Tox. 1: H304; Eye Irrit. 2A: H319; Flam. Liq. 3: H226; Skin Irrit. 2: H315; STOT RE 2: H373; STOT SE 3: H335 - Danger	2.5 - <10%
CAS: 71-36-3	<b>butan-1-ol</b> Acute Tox. 4: H302; Eye Dam. 1: H318; Flam. Liq. 3: H226; Skin Irrit. 2: H315; STOT SE 3: H335; STOT SE 3: H336 - Danger	2.5 - <10%
CAS: 85711-46-2	<b>Fatty acids, C14-18 and C16-18-unsatd., maleated</b> Eye Irrit. 2A: H319; Skin Irrit. 2: H315; Skin Sens. 1B: H317 - Warning	<1%
CAS: 108-31-6	<b>maleic anhydride</b> Acute Tox. 4: H302; Eye Dam. 1: H318; Resp. Sens. 1: H334; Skin Corr. 1B: H314; Skin Sens. 1A: H317; STOT RE 1: H372 - Danger	<1%

To obtain more information on the hazards of the substances consult sections 11, 12 and 16.

**SECTION 4: FIRST-AID MEASURES**

**4.1 Description of necessary measures:**

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.

**By inhalation:**

Remove the person affected from the area of exposure, provide with fresh air and keep at rest. In serious cases such as cardiorespiratory failure, artificial resuscitation techniques will be necessary (mouth to mouth resuscitation, cardiac massage, oxygen supply, etc.) requiring immediate medical assistance.

**By skin contact:**



## TOUC JET BLACK

Date of compilation: 9/8/2025

Version: 1

### SECTION 4: FIRST-AID MEASURES (continued)

Remove contaminated clothing and footwear, rinse skin or shower the person affected if appropriate with plenty of cold water and neutral soap. In serious cases see a doctor. If the product causes burns or freezing, clothing should not be removed as this could worsen the injury caused if it is stuck to the skin. If blisters form on the skin, these should never be burst as this will increase the risk of infection.

#### **By eye contact:**

Rinse eyes thoroughly with water for at least 15 minutes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, as this could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS of the product.

#### **By ingestion/aspiration:**

Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. Keep the person affected at rest. Rinse out the mouth and throat, as they may have been affected during ingestion.

#### **4.2 Most important symptoms/effects, acute and delayed:**

Acute and delayed effects are indicated in sections 2 and 11.

#### **4.3 Indication of immediate medical attention and special treatment needed, if necessary:**

Non-applicable

### SECTION 5: FIRE-FIGHTING MEASURES

#### **5.1 Suitable (and unsuitable) extinguishing media:**

##### **Suitable extinguishing media:**

Foam extinguisher (AB), Dry Chemical Powder (ABC) Fire Extinguisher, Carbon dioxide extinguisher (BC)

##### **Unsuitable extinguishing media:**

Water jet

#### **5.2 Specific hazards arising from the chemical:**

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

#### **5.3 Special protective equipment and precautions for fire-fighters:**

Depending on the magnitude of the fire it may be necessary to use full protective clothing and Self Contained Breathing Apparatus. Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...)

##### **Additional provisions:**

As in any fire, prevent human exposure to fire, smoke, fumes or products of combustion. Only properly trained personnel should be involved in firefighting. Evacuate nonessential personnel from the fire area. Destroy any source of ignition. In case of fire, refrigerate the storage containers and tanks for products susceptible to inflammation. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

### SECTION 6: ACCIDENTAL RELEASE MEASURES

#### **6.1 Personal precautions, protective equipment and emergency procedures:**

##### **For non-emergency personnel:**

Isolate leaks provided that there is no additional risk for the people performing this task. Evacuate the area and keep out those without protection. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Above all prevent the formation of any vapour-air flammable mixtures, through either ventilation or the use of an inert medium. Remove any source of ignition. Eliminate electrostatic charges by interconnecting all the conductive surfaces on which static electricity could form, and also ensuring that all surfaces are connected to the ground.

##### **For emergency responders:**

Wear protective equipment. Keep unprotected persons away. See section 8.

#### **6.2 Environmental precautions:**

This product is not classified as hazardous to the environment. Keep product away from drains, surface and underground water.

#### **6.3 Methods and materials for containment and cleaning up:**

For accidental releases in excess of reportable quantities (RQ) (Table 302.4), refer to 40 CFR 302 for detailed instructions concerning reporting requirements and notify the National Response Center (800) 424-8802.

- CONTINUED ON NEXT PAGE -



**TOUC JET BLACK**

Date of compilation: 9/8/2025

Version: 1

**SECTION 6: ACCIDENTAL RELEASE MEASURES (continued)**

Prevent the entrance of product in drains, sewers or watercourses. Absorb the spill using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. Collect the product in appropriate containers and manage it according to current legislation.

Spillages in water or sea:

Small spillages:

Contain spillage using barriers or similar equipment. Use suitable absorbents for collection and treat the waste in accordance with current regulations.

Large spillages:

If possible, contain spillage in open water using barriers or similar equipment. If this is not possible, try to control its spread and collect the product with suitable mechanical means. Always consult experts before using dispersants and make sure you have the necessary approvals if they are to be used. Treat the waste according to current regulations.

**6.4 Reference to other sections:**

See sections 8 and 13.

**SECTION 7: HANDLING AND STORAGE**

**7.1 Precautions for safe handling:**

A.- General precautions for safe use

Comply with the current standards 29 CFR 1910 Occupational Safety and Health Standards. Keep containers hermetically sealed. Control spills and residues, destroying them with safe methods (section 6). Avoid leakages from the container. Maintain order and cleanliness where dangerous products are used.

B.- Technical recommendations for the prevention of fires and explosions

Because the product is a flammable liquid, storage should meet the requirement of 29 CFR 1910.106, Flammable and Combustible Liquids Code. Transfer in well ventilated areas, preferably through localized extraction. Fully control sources of ignition (mobile phones, sparks,...) and ventilate during cleaning operations. Avoid the existence of dangerous atmospheres inside containers, applying inertization systems where possible. Transfer at a slow speed to avoid the creation of electrostatic charges. Against the possibility of electrostatic charges: ensure a perfect equipotential connection, always use groundings, do not wear work clothes made of acrylic fibres, preferably wearing cotton clothing and conductive footwear. Comply with the essential security requirements for equipment and systems and with the minimum requirements for protecting the security and health of workers. Consult section 10 for conditions and materials that should be avoided.

C.- Technical recommendations on general occupational hygiene

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D.- Technical recommendations to prevent environmental risks

It is recommended to have absorbent material available at close proximity to the product (See subsection 6.3)

**7.2 Conditions for safe storage, including any incompatibilities:**

A.- Specific storage requirements

Minimum Temp.: 41 °F

Maximum Temp.: 86 °F

Maximum time: 24 Months

B.- General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

**Other information:**

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. Protect from moisture. Keep only in original container. Keep cool. Protect from sunlight.

**7.3 Specific end use(s):**

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

**8.1 Control parameters:**

Substances whose occupational exposure limits have to be assessed in the workplace:

- CONTINUED ON NEXT PAGE -



**TOUC JET BLACK**

Date of compilation: 9/8/2025

Version: 1

**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)**

**US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000):**

Identification	Occupational exposure limits		
	8-hour TWA PEL	150 ppm	710 mg/m <sup>3</sup>
N-butyl acetate CAS: 123-86-4	Ceiling Values - TWA PEL		
Reaction mass of ethylbenzene and xylene CAS: Non-applicable	8-hour TWA PEL	100 ppm	435 mg/m <sup>3</sup>
	Ceiling Values - TWA PEL		
butan-1-ol CAS: 71-36-3	8-hour TWA PEL	100 ppm	300 mg/m <sup>3</sup>
	Ceiling Values - TWA PEL		
maleic anhydride CAS: 108-31-6	8-hour TWA PEL	0.25 ppm	1 mg/m <sup>3</sup>
	Ceiling Values - TWA PEL		

**US. ACGIH Threshold Limit Values (2022):**

Identification	Occupational exposure limits		
	TLV-TWA	20 ppm	
N-butyl acetate CAS: 123-86-4	TLV-STEL		
Reaction mass of ethylbenzene and xylene CAS: Non-applicable	TLV-TWA	100 ppm	
	TLV-STEL	150 ppm	
butan-1-ol CAS: 71-36-3	TLV-TWA	15 ppm	
	TLV-STEL		
maleic anhydride CAS: 108-31-6	TLV-TWA	0.1 ppm	
	TLV-STEL		

**CALIFORNIA- TABLE AC-1 PERMISSIBLE EXPOSURE LIMITS FOR CHEMICAL CONTAMINANTS:**

Identification	Occupational exposure limits		
	PEL	150 ppm	710 mg/m <sup>3</sup>
N-butyl acetate CAS: 123-86-4	STEL	200 ppm	950 mg/m <sup>3</sup>
Reaction mass of ethylbenzene and xylene CAS: Non-applicable	PEL	100 ppm	435 mg/m <sup>3</sup>
	STEL	150 ppm	655 mg/m <sup>3</sup>
butan-1-ol CAS: 71-36-3	PEL	50 ppm	150 mg/m <sup>3</sup>
	STEL		
maleic anhydride CAS: 108-31-6	PEL	0.1 ppm	0.4 mg/m <sup>3</sup>
	STEL		

**NIOSH: Immediately Dangerous To Life or Health (IDLH) Values:**

Identification	Occupational exposure limits		
	TWA		
N-butyl acetate CAS: 123-86-4	IDLH Value	1700 ppm	
butan-1-ol CAS: 71-36-3	TWA		
	IDLH Value	1400 ppm	
maleic anhydride CAS: 108-31-6	TWA		
	IDLH Value		10 mg/m <sup>3</sup>

**Biological limit values:**

**Biological Exposure Indices (BEIs®) - ACGIH**

Identification	BEIs®	Determinant	Sampling Time
Reaction mass of ethylbenzene and xylene CAS: Non-applicable	1500 mg/g (Creatinine)	Methylhippuric acids in urine	End of shift

**8.2 Appropriate engineering controls:**

**A.- Individual protection measures, such as personal protective equipment**

Always provide effective general and, when necessary, local exhaust ventilation to maintain the ambient workplace atmosphere below the exposure limits.. For more information on Personal Protection Equipment (storage, use, cleaning, maintenance, class of protection,...) consult the information leaflet provided by the manufacturer. For additional information see subsection 7.1. All information contained herein is a recommendation, the information on clothing performance must be combined with professional judgment, and a clear understanding of the clothing application, to provide the best protection to the worker. All chemical protective clothing use must be based on a hazard assessment to determine the risks for exposure to chemicals and other hazards. Conduct hazard assessments in accordance with 29 CFR 1910.132.

**B.- Respiratory protection**

Date of compilation: 9/8/2025 Version: 1

**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)**

Pictogram	PPE	Remarks
 Mandatory respiratory tract protection	Filter mask for gases and vapours (Filter type: A)	Replace when there is a taste or smell of the contaminant inside the face mask. If the contaminant comes with warnings it is recommended to use isolation equipment. Use respirator in accordance with manufacturer's use limitations and OSHA standard 1910.134 (29CFR)

C.- Specific protection for the hands

Pictogram	PPE	Remarks
 Mandatory hand protection	Chemical protective gloves (Material: Linear low-density polyethylene (LLDPE), Breakthrough time: > 480 min, Thickness: 0.062 mm)	The Breakthrough Time indicated by the manufacturer must exceed the period during which the product is being used. Do not use protective creams after the product has come into contact with skin. Use gloves in accordance with manufacturer's use limitations and OSHA standard 1910.138 (29CFR)

As the product is a mixture of several substances, the resistance of the glove material can not be calculated in advance with total reliability and has therefore to be checked prior to the application.

D.- Eye and face protection

Pictogram	PPE	Remarks
 Mandatory face protection	Panoramic glasses against splash/projections.	Clean daily and disinfect periodically according to the manufacturer's instructions. Use if there is a risk of splashing. Use this PPE in accordance with manufacturer's use limitations and OSHA standard 1910.133 (29CFR)

E.- Bodily protection

Pictogram	PPE	Remarks
 Mandatory complete body protection	Antistatic and fireproof protective clothing	Limited protection against flames.
 Mandatory foot protection	Safety footwear with antistatic and heat resistant properties	Replace boots at any sign of deterioration. Use foot protection in accordance with manufacturer's use limitations and OSHA standard 1910.136 (29CFR)

F.- Additional emergency measures

It is advised to implement additional emergency equipments in workplaces that are particularly exposed to the product or in situations where risk assessments highlight the necessity of such equipments.

Emergency measure	Standards	Emergency measure	Standards
 Emergency shower	ANSI Z358-1 ISO 3864-1:2011, ISO 3864-4:2011	 Eyewash stations	DIN 12 899 ISO 3864-1:2011, ISO 3864-4:2011

VOC Regulatory:  
V.O.C. at 68 °F: 5.7 lbs/gal (685 g/L)

VOC Actual:  
V.O.C. at 68 °F: 5.7 lbs/gal (685 g/L)

**Environmental exposure controls:**

To comply with environmental protection regulations, it is recommended to prevent any spillage of the product and its container. For more detailed information, please refer to subsection 7.1.D.

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

\*Non-applicable due to the nature of the product, not providing information property of its hazards.



Date of compilation: 9/8/2025 Version: 1

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)**

**9.1 Information on basic physical and chemical properties:**

**Appearance:**

Physical state at 68 °F:	Liquid
Appearance:	Fluid
Color:	■ Black
Odor:	Characteristic
Odour threshold:	Non-applicable *

**Volatility:**

Boiling point at atmospheric pressure:	>261 °F
Vapour pressure at 68 °F:	1553 Pa
Vapour pressure at 122 °F:	6776.22 Pa (6.78 kPa)
Evaporation rate at 68 °F:	Non-applicable *

**Product description:**

Density at 68 °F:	931 - 941 kg/m <sup>3</sup>
Relative density at 68 °F:	0.931 - 0.941
Dynamic viscosity at 68 °F:	Non-applicable *
Kinematic viscosity at 68 °F:	Non-applicable *
Kinematic viscosity at 104 °F:	Non-applicable *
Concentration:	Non-applicable *
pH:	Non-applicable *
Vapour density at 68 °F:	Non-applicable *
Partition coefficient n-octanol/water 68 °F:	Non-applicable *
Solubility in water at 68 °F:	Non-applicable *
Solubility properties:	Non-applicable *
Decomposition temperature:	Non-applicable *
Melting point/freezing point:	Non-applicable *

**Flammability:**

Flash Point:	77 °F
Flammability (solid, gas):	Non-applicable *
Autoignition temperature:	419 °F
Lower flammability limit:	Non-applicable *
Upper flammability limit:	Non-applicable *

**Particle characteristics:**

Median equivalent diameter:	Non-applicable *
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**9.2 Other information:**

**Information with regard to physical hazard classes:**

Explosive properties:	Non-applicable *
Oxidising properties:	Non-applicable *
Corrosive to metals:	Non-applicable *
Heat of combustion:	Non-applicable *
Aerosols-total percentage (by mass) of flammable components:	Non-applicable *

**Other safety characteristics:**

Surface tension at 68 °F:	Non-applicable *
Refraction index:	Non-applicable *

\*Non-applicable due to the nature of the product, not providing information property of its hazards.



**TOUC JET BLACK**

Date of compilation: 9/8/2025

Version: 1

**SECTION 10: STABILITY AND REACTIVITY**

**10.1 Reactivity:**

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7 from Safety Data Sheet.

**10.2 Chemical stability:**

Chemically stable under the indicated conditions of storage, handling and use.

**10.3 Possibility of hazardous reactions:**

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

**10.4 Conditions to avoid:**

Applicable for handling and storage at room temperature:

Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
Not applicable	Not applicable	Risk of combustion	Avoid direct impact	Not applicable

**10.5 Incompatible materials:**

Acids	Water	Oxidising materials	Combustible materials	Others
Avoid strong acids	Not applicable	Avoid direct impact	Not applicable	Avoid alkalis or strong bases

**10.6 Hazardous decomposition products:**

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO<sub>2</sub>), carbon monoxide and other organic compounds.

**SECTION 11: TOXICOLOGICAL INFORMATION**

**11.1 Information on toxicological effects:**

The experimental information related to the toxicological properties of the product itself is not available

**Dangerous health implications:**

In case of exposure that is repetitive, prolonged or at concentrations higher than recommended by the occupational exposure limits, it may result in adverse effects on health depending on the means of exposure:

A- Ingestion (acute effect):

- Acute toxicity: Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for consumption. For more information see section 3.
- Corrosivity/Irritability: The consumption of a considerable dose can cause irritation in the throat, abdominal pain, nausea and vomiting.

B- Inhalation (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for inhalation. For more information see section 3.
- Corrosivity/Irritability: Prolonged inhalation of the product is corrosive to mucous membranes and the upper respiratory tract

C- Contact with the skin and the eyes (acute effect):

- Contact with the skin: Produces skin inflammation.
- Contact with the eyes: Produces eye damage after contact.

D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):

- Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for the effects mentioned. For more information see section 3.  
IARC: Formaldehyde (1); Methyl methacrylate (3); Reaction mass of ethylbenzene and xylene (3); Xylene (3); Ethylbenzene (2B); Hydrocarbons, C9, aromatics (3)
- Mutagenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- Reproductive toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

E- Sensitizing effects:

- CONTINUED ON NEXT PAGE -



**TOUC JET BLACK**

Date of compilation: 9/8/2025

Version: 1

**SECTION 11: TOXICOLOGICAL INFORMATION (continued)**

- Respiratory: Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous with sensitising effects. For more information see section 3.
- Skin: Prolonged contact with the skin can result in episodes of allergic contact dermatitis.

**F- Specific target organ toxicity (STOT) - single exposure:**

Exposure in high concentration can cause a breakdown in the central nervous system causing headache, dizziness, vertigo, nausea, vomiting, confusion, and in serious cases, loss of consciousness.

**G- Specific target organ toxicity (STOT)-repeated exposure:**

- Specific target organ toxicity (STOT)-repeated exposure: Exposure in high concentration can cause a breakdown in the central nervous system causing headache, dizziness, vertigo, nausea, vomiting, confusion, and in serious cases, loss of consciousness.
- Skin: Based on available data, the classification criteria are not met, however, it does contain substances which are classified as dangerous due to repetitive exposure. For more information see section 3.

**H- Aspiration hazard:**

Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

**Other information:**

Non-applicable

**Specific toxicology information on the substances:**

Identification	Acute toxicity		Genus
butan-1-ol CAS: 71-36-3	LD50 oral	500 mg/kg	
	LD50 dermal	3400 mg/kg	Rabbit
	LC50 inhalation vapour	24 mg/L (4 h)	Rat
Reaction mass of ethylbenzene and xylene CAS: Non-applicable	LD50 oral	3523 mg/kg	Rat
	LD50 dermal	1100 mg/kg	
	LC50 inhalation vapour	11 mg/L	
N-butyl acetate CAS: 123-86-4	LD50 oral	12789 mg/kg	Rat
	LD50 dermal	14112 mg/kg	Rabbit
	LC50 inhalation vapour	23.4 mg/L (4 h)	Rat
maleic anhydride CAS: 108-31-6	LD50 oral	1090 mg/kg	Rat
	LD50 dermal		
	LC50 inhalation dust		

**SECTION 12: ECOLOGICAL INFORMATION**

The experimental information related to the eco-toxicological properties of the product itself is not available

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

**12.1 Ecotoxicity (aquatic and terrestrial, where available):**

**Acute toxicity:**

Identification	Concentration		Species	Genus
	LC50	EC50		
N-butyl acetate CAS: 123-86-4	LC50	Non-applicable		
	EC50	Non-applicable		
	EC50	675 mg/L (72 h)	Scenedesmus subspicatus	Algae
Reaction mass of ethylbenzene and xylene CAS: Non-applicable	LC50	>10 - 100 mg/L (96 h)		Fish
	EC50	>10 - 100 mg/L (48 h)		Crustacean
	EC50	>10 - 100 mg/L (72 h)		Algae
butan-1-ol CAS: 71-36-3	LC50	1740 mg/L (96 h)	Pimephales promelas	Fish
	EC50	1983 mg/L (48 h)	Daphnia magna	Crustacean
	EC50	500 mg/L (96 h)	Scenedesmus subspicatus	Algae

**Chronic toxicity:**

- CONTINUED ON NEXT PAGE -



**TOUC JET BLACK**

Date of compilation: 9/8/2025

Version: 1

**SECTION 12: ECOLOGICAL INFORMATION (continued)**

Identification	Concentration		Species	Genus
	NOEC			
N-butyl acetate CAS: 123-86-4	NOEC	Non-applicable		
	NOEC	23.2 mg/L	Daphnia magna	Crustacean
butan-1-ol CAS: 71-36-3	NOEC	Non-applicable		
	NOEC	4.1 mg/L	Daphnia magna	Crustacean

**12.2 Persistence and degradability:**

**Substance-specific information:**

Identification	Degradability		Biodegradability	
N-butyl acetate CAS: 123-86-4	BOD5	Non-applicable	Concentration	Non-applicable
	COD	Non-applicable	Period	5 days
	BOD5/COD	Non-applicable	% Biodegradable	84 %
Reaction mass of ethylbenzene and xylene CAS: Non-applicable	BOD5	Non-applicable	Concentration	16 mg/L
	COD	Non-applicable	Period	28 days
	BOD5/COD	Non-applicable	% Biodegradable	94 %
butan-1-ol CAS: 71-36-3	BOD5	1.71 g O2/g	Concentration	Non-applicable
	COD	2.46 g O2/g	Period	19 days
	BOD5/COD	0.7	% Biodegradable	98 %
maleic anhydride CAS: 108-31-6	BOD5	Non-applicable	Concentration	33.33 mg/L
	COD	Non-applicable	Period	29 days
	BOD5/COD	Non-applicable	% Biodegradable	98.19 %

**12.3 Bioaccumulative potential:**

**Substance-specific information:**

Identification	Bioaccumulation potential	
N-butyl acetate CAS: 123-86-4	BCF	4
	Pow Log	1.78
	Potential	Low
Reaction mass of ethylbenzene and xylene CAS: Non-applicable	BCF	26
	Pow Log	2.77
	Potential	Low
butan-1-ol CAS: 71-36-3	BCF	1
	Pow Log	0.88
	Potential	Low
maleic anhydride CAS: 108-31-6	BCF	
	Pow Log	-2.61
	Potential	

**12.4 Mobility in soil:**

Identification	Absorption/desorption		Volatility	
N-butyl acetate CAS: 123-86-4	Koc	Non-applicable	Henry	Non-applicable
	Conclusion	Non-applicable	Dry soil	Non-applicable
	Surface tension	2.478E-2 N/m (77 °F)	Moist soil	Non-applicable
Reaction mass of ethylbenzene and xylene CAS: Non-applicable	Koc	537	Henry	623 Pa·m <sup>3</sup> /mol
	Conclusion	Moderate	Dry soil	Yes
	Surface tension	Non-applicable	Moist soil	Yes
butan-1-ol CAS: 71-36-3	Koc	2.44	Henry	5.39E-2 Pa·m <sup>3</sup> /mol
	Conclusion	Very High	Dry soil	Yes
	Surface tension	2.567E-2 N/m (77 °F)	Moist soil	Yes
maleic anhydride CAS: 108-31-6	Koc	42	Henry	0E+0 Pa·m <sup>3</sup> /mol
	Conclusion	Very High	Dry soil	Non-applicable
	Surface tension	1.673E-2 N/m (482.38 °F)	Moist soil	Non-applicable

**12.5 Results of PBT and vPvB assessment:**

Non-applicable



**TOUC JET BLACK**

Date of compilation: 9/8/2025

Version: 1

**SECTION 12: ECOLOGICAL INFORMATION (continued)**

**12.6 Other adverse effects:**

Not described

**SECTION 13: DISPOSAL CONSIDERATIONS**

**13.1 Disposal methods:**

The next characteristic per RCRA could apply to the unused product if it becomes a waste material: Ignitability. The next EPA hazardous waste number could apply: D001.

IT IS THE RESPONSIBILITY OF THE WASTE GENERATOR TO EVALUATE WHETHER HIS WASTES ARE HAZARDOUS BY CHARACTERISTICS OR LISTING.

**Waste management (disposal and evaluation):**

Follow RCRA framework and EPA regulation for to ensure that hazardous waste is managed safely and properly. Waste should not be disposed of to drains. Remind, It is the responsibility of the waste generator to evaluate whether his wastes are hazardous by characteristics or listing. See section 6 for further information about Accidental release measures.

**Regulations related to waste management:**

Legislation related to waste management:

40 CFR Solid Wastes - Part 239 through 282.

State regulatory requirements for generators may be more stringent than those in the federal program. Be sure to check the state's policies.

**SECTION 14: TRANSPORT INFORMATION**

**Transport of dangerous goods by land:**

With regard to 49 CFR on the Transport of Dangerous Goods:



**14.1 UN number:** UN1263

**14.2 UN proper shipping name:** PAINT

**14.3 Transport hazard class(es):** 3

Labels: 3

**14.4 Packing group, if applicable:** III

**14.5 Marine pollutant:** No

**14.6 Special precautions which a user needs to be aware of, or needs to comply with, in connection with transport or conveyance either within or outside their premises**

Physico-Chemical properties: see section 9

Limited quantities: 5 L

**14.7 Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC Code):** Non-applicable

**Transport of dangerous goods by sea:**

With regard to IMDG 41-22:

- CONTINUED ON NEXT PAGE -

**SECTION 14: TRANSPORT INFORMATION (continued)**



- 14.1 UN number: UN1263
- 14.2 UN proper shipping name: PAINT
- 14.3 Transport hazard class(es): 3  
Labels: 3
- 14.4 Packing group, if applicable: III
- 14.5 Marine pollutant: No
- 14.6 Special precautions which a user needs to be aware of, or needs to comply with, in connection with transport or conveyance either within or outside their premises  
Special regulations: 223, 955, 163, 367  
EmS Codes: F-E, S-E  
Physico-Chemical properties: see section 9  
Limited quantities: 5 L  
Segregation group: Non-applicable
- 14.7 Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC Code): Non-applicable

**Transport of dangerous goods by air:**

With regard to IATA/ICAO 2025:



- 14.1 UN number: UN1263
- 14.2 UN proper shipping name: PAINT
- 14.3 Transport hazard class(es): 3  
Labels: 3
- 14.4 Packing group, if applicable: III
- 14.5 Marine pollutant: No
- 14.6 Special precautions which a user needs to be aware of, or needs to comply with, in connection with transport or conveyance either within or outside their premises  
Physico-Chemical properties: see section 9
- 14.7 Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC Code): Non-applicable

**SECTION 15: REGULATORY INFORMATION**

- 15.1 Safety, health and environmental regulations specific for the product in question:

- CONTINUED ON NEXT PAGE -



**TOUC JET BLACK**

Date of compilation: 9/8/2025

Version: 1

**SECTION 15: REGULATORY INFORMATION (continued)**

- CALIFORNIA LABOR CODE - The Hazardous Substances List: *N-butyl acetate (123-86-4)* ; *Reaction mass of ethylbenzene and xylene (Non-applicable)* ; *butan-1-ol (71-36-3)* ; *maleic anhydride (108-31-6)*
- California Proposition 65 (the Safe Drinking Water and Toxic Enforcement Act of 1986) - Birth defects or other reproductive harm: Non-applicable
- California Proposition 65 (the Safe Drinking Water and Toxic Enforcement Act of 1986) - Cancer: Non-applicable
- CANADA-Domestic Substances List (DSL): *N-butyl acetate (123-86-4)* ; *butan-1-ol (71-36-3)* ; *maleic anhydride (108-31-6)*
- CANADA-Non-Domestic Substances List (NDSL): *Fatty acids, C14-18 and C16-18-unsatd., maleated (85711-46-2)*
- Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) - Reportable Quantities: *N-butyl acetate (123-86-4)* - 5000 lb ; *butan-1-ol (71-36-3)* - U031 ; *maleic anhydride (108-31-6)* - U147
- Hazardous Air Pollutants (Clean Air Act): *maleic anhydride (108-31-6)*
- Massachusetts RTK - Substance List: *N-butyl acetate (123-86-4)* ; *Reaction mass of ethylbenzene and xylene (Non-applicable)* ; *butan-1-ol (71-36-3)* ; *maleic anhydride (108-31-6)*
- Minnesota - Hazardous substances ERTK: *N-butyl acetate (123-86-4)* ; *Reaction mass of ethylbenzene and xylene (Non-applicable)* ; *butan-1-ol (71-36-3)* ; *maleic anhydride (108-31-6)*
- New Jersey Worker and Community Right-to-Know Act: *N-butyl acetate (123-86-4)* ; *Reaction mass of ethylbenzene and xylene (Non-applicable)* ; *butan-1-ol (71-36-3)* ; *maleic anhydride (108-31-6)*
- New York RTK - Substance list: *N-butyl acetate (123-86-4)* ; *Reaction mass of ethylbenzene and xylene (Non-applicable)* ; *butan-1-ol (71-36-3)* ; *maleic anhydride (108-31-6)*
- NTP (National Toxicology Program): Non-applicable
- OSHA Specifically Regulated Substances (29 CFR 1910.1001-1096): Non-applicable
- Pennsylvania Worker and Community Right-to-Know Law: *butan-1-ol (71-36-3)*
- Protective Action Criteria (PAC) with AEGLs, ERPGs, & TEELs: *N-butyl acetate (123-86-4)* ; *butan-1-ol (71-36-3)* ; *maleic anhydride (108-31-6)*
- Rhode Island - Hazardous substances RTK: *N-butyl acetate (123-86-4)* ; *butan-1-ol (71-36-3)* ; *maleic anhydride (108-31-6)*
- SB-258 Cleaning Product Right to Know Act : *maleic anhydride (108-31-6)*
- The Toxic Substances Control Act (TSCA) : *N-butyl acetate (123-86-4)* ; *butan-1-ol (71-36-3)* ; *Fatty acids, C14-18 and C16-18-unsatd., maleated (85711-46-2)* ; *maleic anhydride (108-31-6)*
- Toxic chemical release reporting under EPCRA section 313 (40 CFR Part 372): *butan-1-ol (71-36-3)* ; *maleic anhydride (108-31-6)*

**Specific provisions in terms of protecting people or the environment:**

It is recommended to use the information provided in this safety data sheet as a foundation for conducting workplace-specific risk assessments. These assessments will help establish the appropriate risk prevention measures for handling, using, storing, and disposing of this product.

**Other legislation:**

Take into consideration other applicable federal, state, and local laws and local regulations.

**SECTION 16: OTHER INFORMATION**

**Legislation related to safety data sheets:**

This safety data sheet has been designed in accordance with Appendix d to §1910.1200 - Safety data sheets

**Texts of the legislative phrases mentioned in section 2:**

H336: May cause drowsiness or dizziness.

H317: May cause an allergic skin reaction.

H315: Causes skin irritation.

H373: May cause damage to organs through prolonged or repeated exposure.

H226: Flammable liquid and vapour.

H319: Causes serious eye irritation.

**Texts of the legislative phrases mentioned in section 3:**

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

**29 CFR 1910.1200:**

- CONTINUED ON NEXT PAGE -



**TOUC JET BLACK**

Date of compilation: 9/8/2025

Version: 1

**SECTION 16: OTHER INFORMATION (continued)**

Acute Tox. 4: H302 - Harmful if swallowed.  
Acute Tox. 4: H312+H332 - Harmful in contact with skin or if inhaled.  
Asp. Tox. 1: H304 - May be fatal if swallowed and enters airways.  
Eye Dam. 1: H318 - Causes serious eye damage.  
Eye Irrit. 2A: H319 - Causes serious eye irritation.  
Flam. Liq. 3: H226 - Flammable liquid and vapour.  
Resp. Sens. 1: H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled.  
Skin Corr. 1B: H314 - Causes severe skin burns and eye damage.  
Skin Irrit. 2: H315 - Causes skin irritation.  
Skin Sens. 1A: H317 - May cause an allergic skin reaction.  
Skin Sens. 1B: H317 - May cause an allergic skin reaction.  
STOT RE 1: H372 - Causes damage to organs through prolonged or repeated exposure (Inhalation).  
STOT RE 2: H373 - May cause damage to organs through prolonged or repeated exposure.  
STOT SE 3: H335 - May cause respiratory irritation.  
STOT SE 3: H336 - May cause drowsiness or dizziness.

**Advice related to training:**

According to 29 CFR 1910. 1200, training on chemical hazards is necessary for employees using this product. This training will facilitate their understanding and interpretation of the safety data sheet, as well as the product label.

**Principal bibliographical sources:**

Occupational Safety & Health Administration (OSHA).

**Abbreviations and acronyms:**

IMDG: International maritime dangerous goods code  
IATA: International Air Transport Association  
ICAO: International Civil Aviation Organisation  
COD: Chemical Oxygen Demand  
BOD5: 5-day biochemical oxygen demand  
BCF: Bioconcentration factor  
LD50: Lethal Dose 50  
CL50: Lethal Concentration 50  
EC50: Effective concentration 50  
Log-POW: Octanol-water partition coefficient  
Koc: Partition coefficient of organic carbon  
IARC: International Agency for Research on Cancer

Date of compilation: 9/8/2025

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END OF SAFETY DATA SHEET