

## SAFETY DATA SHEET

Revision date 24-Jan-2020 Version 20 Supersedes Date: 13-Jan-2020

# Section 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

**Product identifier** 

Product Code AD-700.Q01

Product Name SINGLE STAGE - GLOSS BLACK

Other means of identification

No information available

Recommended use of the chemical and restrictions on use

Paint, Coatings

## Details of the supplier of the safety data sheet

See section 16 for more information

ADVANTAGE REFINISH PRODUCTS
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United States of America Chemtrec: 800-424-9300

## **Section 2: HAZARDS IDENTIFICATION**

## Classification

Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 2
Skin sensitization	Category 1
Carcinogenicity	Category 2
Reproductive toxicity	Category 1B
Specific target organ toxicity (repeated exposure)	Category 2
Flammable liquids	Category 2

#### Label elements



Signal word

**DANGER** 

#### **HAZARD STATEMENTS**

Highly flammable liquid and vapor Causes skin irritation Causes serious eye irritation May cause an allergic skin reaction Suspected of causing cancer May damage fertility or the unborn child

May cause damage to the following organs through prolonged or repeated exposure: Ears

#### **PREVENTION**

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves/protective clothing/eye protection/face protection. Wash face, hands and any exposed skin thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Do not breathe dust/fume/gas/mist/vapors/spray. P210 - Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Keep container tightly closed. Ground/bond container and receiving equipment. Use explosion-proof electrical/ ventilating/ lighting/ equipment. Use only non-sparking tools. Take precautionary measures against static discharge.

#### **RESPONSE**

IF exposed or concerned: Get medical advice/attention.

## **Eyes**

IF IN EYES: 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.

#### Skin

If skin irritation or rash occurs: Get medical advice/attention. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower. Wash contaminated clothing before reuse.

## Inhalation

IF INHALED: Call a POISON CENTER or doctor if you feel unwell.

## Ingestion

Do NOT induce vomiting. IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.

#### Fire

In case of fire: Use CO2, dry chemical, or foam for extinction.

#### **STORAGE**

Store locked up. Store in a well-ventilated place. Keep cool.

#### DISPOSAL

Dispose of contents/containers in accordance with local regulations.

#### **HAZARDS NOT OTHERWISE CLASSIFIED (HNOC)**

No information available.

## **OTHER HAZARDS**

Not applicable.

UNKNOWN ACUTE TOXICITY

0% of the mixture consists of ingredient(s) of unknown toxicity.

## Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	weight-%
Methyl acetate	79-20-9	10 - 25
Benzene, 1-chloro-4-(trifluoromethyl)-	98-56-6	5 - 10
Methyl n-amyl ketone	110-43-0	5 - 10
Methyl propyl ketone	107-87-9	5 - 10
Xylenes	1330-20-7	1 - 3
Ethylene glycol monobutyl ether acetate	112-07-2	1 - 3
Solvent naphtha, petroleum, light aromatic	64742-95-6	1 - 3
Ethylbenzene	100-41-4	1 - 3
n-Butyl acetate	123-86-4	1 - 3
Zirconium ethyl hexoate	22464-99-9	0.3 - 1
Proprietary additive	Proprietary	0.3 - 1
Carbon black	1333-86-4	0.3 - 1
Alkanoate ester	Proprietary	0.1 - 0.3
2-Butanone, oxime	96-29-7	0.1 - 0.3
Toluene	108-88-3	0.1 - 0.3
1-Methyl-2-pyrrolidone	872-50-4	0.1 - 0.3

<sup>\*</sup>The exact percentage (concentration) of composition has been withheld as a trade secret.

## **Section 4: FIRST AID MEASURES**

#### First Aid Measures

#### General advice

IF exposed or concerned: Get medical advice/attention.

#### Eye contact

IF IN EYES: 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.

#### **Skin Contact**

If skin irritation or rash occurs: Get medical advice/attention. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower. Wash contaminated clothing before reuse.

#### Inhalation

IF INHALED: Call a POISON CENTER or doctor if you feel unwell.

#### Ingestion

Do NOT induce vomiting. IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.

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

**Symptoms** No information available.

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

**Note to physicians** Treat symptomatically.

## **Section 5: FIRE FIGHTING MEASURES**

## Suitable extinguishing media

Dry chemical, CO2, water spray or alcohol-resistant foam.

## Not to be used for safety reasons:

Strong water jet

#### Specific hazards arising from the chemical

Burning produces heavy smoke. Fire may produce irritating and/or toxic gases. In the event of fire and/or explosion do not breathe fumes. May cause sensitization by skin contact.

#### Special protective equipment for fire-fighters

Wear self-contained breathing apparatus and protective suit. Cool containers with flooding quantities of water until well after fire is

## **Section 6: ACCIDENTAL RELEASE MEASURES**

#### Personal precautions, protective equipment and emergency procedures

#### **Personal precautions**

Avoid breathing vapors or mists. Remove all sources of ignition. Use personal protective equipment as required. Avoid contact with skin, eyes or clothing. Keep people away from and upwind of spill/leak. Evacuate personnel to safe areas. Take precautionary measures against static discharges.

#### For emergency responders

Use personal protection recommended in Section 8.

#### **Environmental precautions**

Do not allow into any sewer, on the ground or into any body of water. If the product contaminates lakes, rivers or sewage, inform appropriate authorities in accordance with local regulations. Prevent further leakage or spillage if safe to do so. Local authorities should be advised if significant spillages cannot be contained.

#### Methods and material for containment and cleaning up

#### Methods for containment

Prevent further leakage or spillage if safe to do so.

#### Methods for cleaning up

Dispose of waste product or used containers according to local regulations. Clean with detergents. Avoid solvent cleaners. Dam up. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Pick up and transfer to properly labeled containers. Clean contaminated surface thoroughly. Take up mechanically, placing in appropriate containers for disposal.

## **Section 7: HANDLING AND STORAGE**

#### Precautions for safe handling

## Advice on safe handling

Prevent the creation of flammable or explosive concentrations of vapor in air and avoid vapor concentration higher than the occupational exposure limits. Operators should wear anti-static footwear and clothing and floors should be of the conducting type. Use personal protection recommended in Section 8. Never use pressure to empty container. Comply with the health and safety at work laws. Prevent product from entering drains. Vapors are heavier than air and may spread along floors. Vapors may form explosive mixtures with air. Use only with adequate ventilation. Do not breathe dust/fume/gas/mist/vapors/spray. Use only in well-ventilated areas. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity). Take precautionary measures against static discharges. Use spark-proof tools and explosion-proof equipment. All equipment used when handling the product must be grounded.

#### **General Hygiene Considerations**

When using do not eat, drink or smoke. Wash contaminated clothing before reuse. Avoid contact with skin, eyes or clothing.

#### Conditions for safe storage, including any incompatibilities

## **Storage Conditions**

Keep/store only in original container. Store in accordance with local regulations. Keep unauthorized personnel away. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Keep container tightly closed in a dry and well-ventilated place. Keep tightly closed in a dry and cool place.

#### Incompatible materials

Strong bases. Strong oxidizing agents. Amines.

## Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

## Control parameters

#### **Exposure Limits**

If S\* appears in the OEL table, it indicates this chemical contains a skin notation.

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Methyl acetate 79-20-9	STEL: 250 ppm TWA: 200 ppm	TWA: 200 ppm TWA: 610 mg/m³	IDLH: 3100 ppm TWA: 200 ppm TWA: 610 mg/m³ STEL: 250 ppm STEL: 760 mg/m³
Benzene, 1-chloro-4-(trifluoromethyl)- 98-56-6	TWA: 2.5 mg/m³ F	TWA: 2.5 mg/m³ F	
Methyl n-amyl ketone 110-43-0	TWA: 50 ppm	TWA: 100 ppm TWA: 465 mg/m³	IDLH: 800 ppm TWA: 100 ppm TWA: 465 mg/m <sup>3</sup>
Methyl propyl ketone 107-87-9	STEL: 150 ppm	TWA: 200 ppm TWA: 700 mg/m <sup>3</sup>	IDLH: 1500 ppm TWA: 150 ppm TWA: 530 mg/m <sup>3</sup>
Xylenes 1330-20-7	STEL: 150 ppm TWA: 100 ppm	TWA: 100 ppm TWA: 435 mg/m <sup>3</sup>	
Ethylene glycol monobutyl ether acetate 112-07-2	TWA: 20 ppm	-	TWA: 5 ppm TWA: 33 mg/m³
Ethylbenzene 100-41-4	TWA: 20 ppm	TWA: 100 ppm TWA: 435 mg/m³	IDLH: 800 ppm TWA: 100 ppm TWA: 435 mg/m <sup>3</sup> STEL: 125 ppm STEL: 545 mg/m <sup>3</sup>
n-Butyl acetate 123-86-4	STEL: 150 ppm TWA: 50 ppm	TWA: 150 ppm TWA: 710 mg/m³	IDLH: 1700 ppm TWA: 150 ppm TWA: 710 mg/m³ STEL: 200 ppm STEL: 950 mg/m³
Zirconium ethyl hexoate 22464-99-9	STEL: 10 mg/m³ Zr TWA: 5 mg/m³ Zr	TWA: 5 mg/m³ Zr	IDLH: 25 mg/m³ Zr TWA: 5 mg/m³ except Zirconium tetrachloride Zr STEL: 10 mg/m³ Zr
Carbon black 1333-86-4	TWA: 3 mg/m³ inhalable particulate matter	TWA: 3.5 mg/m³	IDLH: 1750 mg/m³ TWA: 3.5 mg/m³ TWA: 0.1 mg/m³ Carbon black in presence of Polycyclic aromatic hydrocarbons PAH
Toluene 108-88-3	TWA: 20 ppm	TWA: 200 ppm Ceiling: 300 ppm	IDLH: 500 ppm TWA: 100 ppm TWA: 375 mg/m³ STEL: 150 ppm STEL: 560 mg/m³

#### Appropriate engineering controls

#### **Engineering Controls**

Ensure adequate ventilation, especially in confined areas. Provide local exhaust ventilation. In case of insufficient ventilation, wear suitable respiratory equipment.

## Individual protection measures, such as personal protective equipment

#### Eye/face protection

Tight sealing safety goggles.

#### Skin and body protection

Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact. Wear suitable protective clothing. Personnel should wear anti-static clothing made of natural fiber or of high temperature resistant synthetic fiber.

## **Hand Protection**

There is no one glove material or combination of materials that will give unlimited resistance to any individual or combination of chemicals. Ensure that the breakthrough time of the glove material is not exceeded. Refer to glove supplier for information on breakthrough time for specific gloves. The instructions and information provided by the glove manufacturer on use, storage, maintenance and replacement must be followed. Gloves should be replaced regularly and if there is any sign of damage to the glove material. Always ensure that gloves are free from defects and that they are stored and used correctly. The performance or effectiveness of the glove may be reduced by physical / chemical damage and poor maintenance. Wear protective gloves.

#### Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

#### **Thermal Protection**

No information available

#### Section 9: PHYSICAL AND CHEMICAL PROPERTIES

## Information on basic physical and chemical properties

Physical state liquid

Appearance No information available

Odor Solvent Color black

Odor Threshold
PH value
No information available
To 'C / 135 °F
-13 °C / 9 °F

evaporation rate

Flammability (solid, gas)

No information available
No information available

Flammability Limit in Air

Upper flammability limit:
Lower flammability limit:
Vapor Pressure
vapor density

No information available
No information available
No information available

Density (lbs per US gallon) 8.43 specific gravity 1.01

Solubility(ies)

Partition coefficient
Autoignition temperature
Decomposition temperature
Kinematic viscosity

No information available

**Other information** 

## Section 10: STABILITY AND REACTIVITY

**Reactivity** No information available.

Chemical stability Stable under normal conditions.

Possibility of Hazardous Reactions None under normal processing.

**Hazardous polymerization** None under normal processing.

**Conditions to avoid** Heat, flames and sparks.

**Incompatible materials** Strong bases. Strong oxidizing agents. Amines.

Hazardous Decomposition Products Carbon monoxide. Carbon dioxide (CO2). Hydrocarbons. Chlorine.

## Section 11: TOXICOLOGICAL INFORMATION

## Information on likely routes of exposure

Eve contact

Causes serious eye irritation

Skin Contact

May cause an allergic skin reaction

Causes skin irritation

Ingestion Not applicable Inhalation Not applicable

#### Numerical measures of toxicity - Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Methyl acetate 79-20-9	> 5 g/kg (Rat)	> 5 g/kg(Rabbit)	= 16000 ppm (Rat) 4 h
Benzene, 1-chloro-4-(trifluoromethyl)- 98-56-6	= 13 g/kg(Rat)	> 2 mL/kg(Rabbit)	= 33 mg/L (Rat)4 h
Methyl n-amyl ketone 110-43-0	= 1600 mg/kg (Rat) = 1670 mg/kg (Rat)	= 12600 μL/kg (Rabbit)= 12.6 mL/kg (Rabbit)	2000 - 4000 ppm (Rat) 6 h
Methyl propyl ketone 107-87-9	= 1600 mg/kg (Rat)	= 6500 mg/kg (Rabbit) = 6480 mg/kg (Rat)	2000 - 4000 ppm (Rat) 4 h
Xylenes 1330-20-7	= 3500 mg/kg ( Rat )	> 1700 mg/kg(Rabbit)> 4350 mg/kg(Rabbit)	= 5000 ppm (Rat) 4 h = 29.08 mg/L (Rat) 4 h
Ethylene glycol monobutyl ether acetate 112-07-2	= 2400 mg/kg (Rat)	= 1500 mg/kg(Rabbit)	> 400 ppm (Rat)4 h
Solvent naphtha, petroleum, light aromatic 64742-95-6	= 8400 mg/kg (Rat)	> 2000 mg/kg(Rabbit)	= 3400 ppm (Rat) 4 h
Ethylbenzene 100-41-4	= 3500 mg/kg (Rat)	= 15400 mg/kg ( Rabbit )	= 17.4 mg/L (Rat) 4 h
n-Butyl acetate 123-86-4	= 10768 mg/kg (Rat)	> 17600 mg/kg (Rabbit)	= 390 ppm (Rat) 4 h
Zirconium ethyl hexoate 22464-99-9	-	-	-
Proprietary additive	= 2615 mg/kg (Rat)	-	-
Carbon black 1333-86-4	> 15400 mg/kg (Rat)	> 3 g/kg (Rabbit)	-
Alkanoate ester	-	-	-
2-Butanone, oxime 96-29-7	= 930 mg/kg (Rat)	1000 - 1800 mg/kg (Rabbit)	> 4800 mg/m³(Rat)4 h
Toluene 108-88-3	= 2600 mg/kg (Rat)	= 12000 mg/kg ( Rabbit )	= 12.5 mg/L (Rat) 4 h
1-Methyl-2-pyrrolidone 872-50-4	= 3914 mg/kg (Rat)	= 8 g/kg (Rabbit)	> 5.1 mg/L (Rat)4 h

#### Numerical measures of toxicity - Product Information

The following values are calculated based on chapter 3.1 of the GHS document .

ATEmix (oral) 4386 Mg/kg
ATEmix (dermal) 20677 Mg/kg
ATEmix (inhalation-dust/mist) 11.8 mg/l
ATEmix (inhalation-vapor) 87 mg/l

**UNKNOWN ACUTE TOXICITY** 0% of the mixture consists of ingredient(s) of unknown toxicity.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

## Carcinogenicity

According to IARC, Volume 93, no significant exposure to primary particles of carbon black is thought to occur from use in paints since the pigment is bound to other materials.

**Chemical Name ACGIH IARC** NTP **OSHA** А3 Ethylene glycol monobutyl ether acetate 112-07-2 Ethylbenzene А3 Group 2B Χ 100-41-4 А3 Χ Carbon black Group 2B

1333-86-4

ACGIH (American Conference of Governmental Industrial Hygienists) A3 - Animal Carcinogen.

IARC (International Agency for Research on Cancer)

Group 2B - Possibly Carcinogenic to Humans.

OSHA (Occupational Safety and Health Administration of the US Department of Labor)

X - Present.

Skin corrosion/irritation Causes skin irritation

Serious eye damage/eye irritation Causes serious eye irritation

Skin sensitization May cause an allergic skin reaction

Respiratory sensitization Not applicable

Germ cell mutagenicity Not applicable

Carcinogenicity Suspected of causing cancer

Reproductive Toxicity May damage fertility or the unborn child

Specific target organ toxicity (single exposure) Not applicable

Specific target organ toxicity (repeated exposure)

May cause damage to the following organs through prolonged or repeated exposure: Ears

Aspiration hazard Not applicable

#### Section 12: ECOLOGICAL INFORMATION

**Ecotoxicity** 

Environmental precautions Prevent product from entering drains.

Persistence and degradability

No information available

**Bioaccumulation** 

No information available

Mobility

No information available

Other adverse effects No information available

#### Section 13: DISPOSAL CONSIDERATIONS

Waste treatment methods

Disposal of wastes Disposal should be in accordance with applicable regional, national and local laws and

regulations.

Contaminated packaging Improper disposal or reuse of this container may be dangerous and illegal. Empty

containers must be scrapped or reconditioned.

## Section 14: TRANSPORT INFORMATION

	DOT	IMDG	IATA
14.1 UN/ID no	UN1263	UN1263	UN1263
14.2 Proper shipping name	Paint	Paint	Paint

 14.3 Hazard Class
 3
 3

 14.4 Packing Group
 II
 II

 14.5 Environmental hazard

 14.6 Special Provisions
 149, B52, IB2, T4, TP1, TP8, TP28, 163, 367
 A3, A72, A192

367 Emergency Response Guide EmS-No F-E, S-E

Number

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

No information available

The supplier may apply one of the following exceptions: Combustible Liquid (49 CFR 173.150(f)); Consumer Commodity (49 CFR 173.150(c),

ICAO/IATA SP A112); Limited Quantity (49 CFR 173.150(b), ICAO Part 3 Chapter 4, IATA 2.7, IMDG Chapter 3.4); Viscous Liquid (49 CFR 173.121(b), IMDG 2.3.2.2, IATA 3.3.3.1.1, ICAO 3.2.2, ADR 2.2.3.1.5); Does Not Sustain Combustion (49 CFR 173.120(a), IATA 3.3.1.3, ICAO 3.1.3, IMDG 2.3.1.3, ADR 2.2.3.1.1 Note 1); or others as allowed under hazardous materials/dangerous goods regulations.

## **Section 15: REGULATORY INFORMATION**

#### **International Inventories**

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

**DSL** - Canadian Domestic Substances List

All components are listed or exempt from listing. (Active List). Not all components are listed or exempt from listing

## **US Federal Regulations**

Chemical Name	TSCA - Toxic Substances Control Act, Section 12(b) Export Notification
Benzene, 1-chloro-4-(trifluoromethyl)- 98-56-6	Section 4

Chemical Name	SARA 313 - Threshold Values %	Metals	Hazardous air pollutants (HAPs) content
Xylenes 1330-20-7 1 - 3	1		Present
Ethylene glycol monobutyl ether acetate 112-07-2 1 - 3	1		Present
Ethylbenzene 100-41-4 1 - 3	0.1		Present
Toluene 108-88-3 0.1 - 0.3	1		Present

Chemical Name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Xylenes 1330-20-7	100 lb			Х
Ethylbenzene 100-41-4	1000 lb	Х	Х	Х
n-Butyl acetate 123-86-4	5000 lb			Х
Toluene 108-88-3	1000 lb	Х	Х	Х

Chemical Name	Hazardous Substances RQs	CERCLA/SARA RQ	Reportable Quantity (RQ)
Xylenes	100 lb		RQ 100 lb final RQ
1330-20-7			RQ 45.4 kg final RQ
Ethylbenzene	1000 lb		RQ 1000 lb final RQ
100-41-4			RQ 454 kg final RQ
n-Butyl acetate	5000 lb		RQ 5000 lb final RQ
123-86-4			RQ 2270 kg final RQ
Toluene	1000 lb		RQ 1000 lb final RQ
108-88-3			RQ 454 kg final RQ

## **US State Regulations**

## Rule 66 status of product

Photochemically reactive.

## California Proposition 65

WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

#### U.S. EPA Label information

EPA Pesticide registration number Not applicable

## **U.S. State Right-to-Know Regulations**

Chemical Name
Proprietary Non-Hazardous Ingredient - Proprietary CAS
Methyl acetate
79-20-9
Benzene, 1-chloro-4-(trifluoromethyl)-
98-56-6
Methyl n-amyl ketone
110-43-0
Methyl propyl ketone
107-87-9
Proprietary Non-Hazardous Ingredient - Proprietary CAS
Xylenes
1330-20-7
Ethylene glycol monobutyl ether acetate
112-07-2
Solvent naphtha, petroleum, light aromatic
64742-95-6
Ethylbenzene
100-41-4
n-Butyl acetate
123-86-4
Zirconium ethyl hexoate
2-Butanone, oxime 96-29-7
Toluene
108-88-3
1-Methyl-2-pyrrolidone
872-50-4
0.2.00 1

## **Section 16: OTHER INFORMATION**

**HMIS** 

 Health hazards
 2\*

 \* = Chronic Health Hazard

 Flammability
 3

 Physical hazards
 0

 Personal Protection
 X

Prepared By Regulatory Department

Revision date 24-Jan-2020

Revision Note No information available

<u>Disclaimer</u>

The information on this Safety Data Sheet (SDS) is based on the present state of our knowledge, current national legislation and guidelines. As the specific conditions of use of the product are outside the supplier's knowledge and control the user is responsible for ensuring that the requirements of relevant legislation are complied with. This SDS should not be construed as any guarantee of the technical performance or suitability for particular applications. UNLESS SUPPLIER AGREES OTHERWISE IN WRITING, SUPPLIER MAKES NO WARRANTIES, EXPRESS OR IMPLIED, AND DISCLAIMS ALL IMPLIED WARRANTIES INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR FREEDOM FROM PATENT INFRINGEMENT. SUPPLIER WILL NOT BE LIABLE FOR ANY SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES.

**End of Safety Data Sheet**