

# **SAFETY DATA SHEET**

Revision date 27-Sep-2019 Version 15 Supersedes Date: 23-Sep-2019

# Section 1: PRODUCT AND COMPANY IDENTIFICATION

Product Name SINGLE STAGE - SCHOOL BUS YELLOW

Product Code AD-716.G01

UN/ID no UN1263

Recommended Use Paint, Coatings

### Details of the supplier of the safety data sheet

See section 16 for more information

ADVANTAGE REFINISH PRODUCTS

a division of IAMG/International Autobody Marketing Group

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1-87REFINISH

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# **Section 2: HAZARDS IDENTIFICATION**

This product has been classified in accordance with the hazard criteria of the Hazardous Products Regulations (HPR) and the SDS contains all the information required by the HPR

### Classification

Serious eye damage/eye irritation	Category 2
Skin sensitization	Category 1
Carcinogenicity	Category 2
Reproductive toxicity	Category 2
Specific target organ toxicity (single exposure)	Category 3
Flammable liquids	Category 2

### Label elements



Signal word

**DANGER** 

### **HAZARD STATEMENTS**

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

#### **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. Avoid breathing dust/fume/gas/mist/vapors/spray. Contaminated work clothing should not be allowed out of the workplace. Use only outdoors or in a well-ventilated area. 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. Wash contaminated clothing before reuse. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower.

# Inhalation

IF INHALED: Remove person to fresh air and keep comfortable for breathing.

# 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 container tightly closed. Store in a well-ventilated place. Keep cool.

### **DISPOSAL**

Dispose of contents/containers in accordance with local regulations.

### **OTHER HAZARDS**

Not applicable.

### **UNKNOWN ACUTE TOXICITY**

.0001% 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 - 30 *
n-Butyl acetate	123-86-4	7 - 13 *
Methyl n-amyl ketone	110-43-0	3 - 7 *
Benzene, 1-chloro-4-(trifluoromethyl)-	98-56-6	3 - 7 *

Methyl propyl ketone	107-87-9	3 - 7 *
Titanium dioxide	13463-67-7	3 - 7 *
Solvent naphtha, petroleum, light aromatic	64742-95-6	0.5 - 1.5 *
Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate	41556-26-7	0.1 - 1 *
2-Butanone, oxime	96-29-7	0.1 - 1 *
Zirconium ethyl hexoate	22464-99-9	0.1 - 1 *
Decanedioic acid, 1-methyl	82919-37-7	0.1 - 1 *
10-(1,2,2,6,6-pentamethyl-4-piperidinyl) ester		
Ethylbenzene	100-41-4	0.1 - 1 *

<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 eye irritation persists: Get medical advice/attention IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

#### **Skin Contact**

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

### Inhalation

IF INHALED: Remove person to fresh air and keep comfortable for breathing

#### 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**

Flammable properties Flammable liquid.

flash point 9 °F / -13 °C

Upper flammability limit: No information available

Lower flammability limit: No information available

Autoignition temperature No information available

**Explosion data** 

Sensitivity to Mechanical Impact No information available. Sensitivity to Static Discharge No information available.

# Suitable extinguishing media

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

Not to be used for safety reasons: Strong water jet

**Hazardous combustion products** Carbon monoxide. Carbon dioxide (CO2).

### 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 out. Do not allow run-off from fire-fighting to enter drains or water courses.

# **Section 6: ACCIDENTAL RELEASE MEASURES**

#### 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.

#### **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 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

# 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.

## **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.

# Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

# **Exposure Guidelines**

#### **Exposure Limits**

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

Chemical Name	ACGIH TLV	Alberta	British Columbia	Ontario TWA	Quebec	OSHA PEL
Methyl acetate	STEL: 250 ppm	TWA: 200 ppm	TWA: 200 ppm	TWA: 200 ppm	TWA: 200 ppm	TWA: 200 ppm
79-20-9	TWA: 200 ppm	TWA: 606 mg/m <sup>3</sup>	STEL: 250 ppm	STEL: 250 ppm	TWA: 606 mg/m <sup>3</sup>	TWA: 610 mg/m <sup>3</sup>
		STEL: 250 ppm			STEL: 250 ppm	_
		STEL: 757 mg/m <sup>3</sup>			STEL: 757 mg/m <sup>3</sup>	

n-Butyl acetate 123-86-4	STEL: 150 ppm TWA: 50 ppm	TWA: 150 ppm TWA: 713 mg/m <sup>3</sup>	TWA: 20 ppm	TWA: 150 ppm STEL: 200 ppm	TWA: 150 ppm TWA: 713 mg/m <sup>3</sup>	TWA: 150 ppm TWA: 710 mg/m <sup>3</sup>
		STEL: 200 ppm STEL: 950 mg/m <sup>3</sup>			STEL: 200 ppm STEL: 950 mg/m <sup>3</sup>	
Methyl n-amyl ketone	TWA: 50 ppm	TWA: 50 ppm	TWA: 50 ppm	TWA: 25 ppm	TWA: 50 ppm	TWA: 100 ppm
110-43-0		TWA: 233 mg/m <sup>3</sup>		TWA: 115 mg/m <sup>3</sup>	TWA: 233 mg/m <sup>3</sup>	TWA: 465 mg/m <sup>3</sup>
Benzene,	TWA: 2.5 mg/m <sup>3</sup> F	TWA: 2.5 mg/m <sup>3</sup>	TWA: 2.5 mg/m <sup>3</sup>	TWA: 2.5 mg/m <sup>3</sup>	TWA: 2.5 mg/m <sup>3</sup>	TWA: 2.5 mg/m <sup>3</sup> F
1-chloro-4-(trifluoromethyl)- 98-56-6	-	-	-		-	•
Methyl propyl ketone	STEL: 150 ppm	TWA: 200 ppm	TWA: 150 ppm	STEL: 150 ppm	TWA: 150 ppm	TWA: 200 ppm
107-87-9		TWA: 705 mg/m <sup>3</sup>	STEL: 250 ppm		TWA: 530 mg/m <sup>3</sup>	TWA: 700 mg/m <sup>3</sup>
		STEL: 250 ppm				
		STEL: 881 mg/m <sup>3</sup>				
Titanium dioxide	TWA: 10 mg/m <sup>3</sup>	TWA: 10 mg/m <sup>3</sup>	TWA: 10 mg/m <sup>3</sup>	TWA: 10 mg/m <sup>3</sup>	TWA: 10 mg/m <sup>3</sup>	TWA: 15 mg/m <sup>3</sup>
13463-67-7	· ·	ŭ	TWA: 3 mg/m <sup>3</sup>	· ·	Ŭ	total dust
Zirconium ethyl hexoate	STEL: 10 mg/m <sup>3</sup> Zr	TWA: 5 mg/m <sup>3</sup>	TWA: 5 mg/m <sup>3</sup>	TWA: 5 mg/m <sup>3</sup>	TWA: 5 mg/m <sup>3</sup>	TWA: 5 mg/m <sup>3</sup> Zr
22464-99-9	TWA: 5 mg/m <sup>3</sup> Zr	STEL: 10 mg/m <sup>3</sup>	STEL: 10 mg/m <sup>3</sup>	STEL: 10 mg/m <sup>3</sup>	STEL: 10 mg/m <sup>3</sup>	-
Ethylbenzene	TWA: 20 ppm	TWA: 100 ppm	TWA: 20 ppm	TWA: 20 ppm	TWA: 100 ppm	TWA: 100 ppm
100-41-4		TWA: 434 mg/m <sup>3</sup>			TWA: 434 mg/m <sup>3</sup>	TWA: 435 mg/m <sup>3</sup>
		STEL: 125 ppm			STEL: 125 ppm	•
		STEL: 543 mg/m <sup>3</sup>			STEL: 543 mg/m <sup>3</sup>	

# **Engineering Controls**

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

### Personal Protective Equipment

### Eye/face protection

Tight sealing safety goggles.

#### **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.

### 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.

# Respiratory protection

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

### Thermal Protection

No information available

# **Environmental exposure controls**

Do not allow into any sewer, on the ground or into any body of water. Local authorities should be advised if significant spillages cannot be contained.

# **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
Melting point/freezing point
Boiling point / boiling range
flash point

No information available
No information available
No information available
S7 °C / 135 °F
-13 °C / 9 °F

evaporation rate

No information available
Flammability (solid, gas)

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) 9.26 specific gravity 1.11

Solubility(ies)

Partition coefficient

Autoignition temperature

Decomposition temperature

Kinematic viscosity

No information available

Other information

# **Section 10: STABILITY AND REACTIVITY**

**Stability** Stable under normal conditions.

**Incompatible materials** Strong oxidizing agents. Combustible material.

Conditions to avoid Heat, flames and sparks.

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

gas.

Possibility of Hazardous Reactions None under normal processing.

**Hazardous polymerization**None under normal processing.

# **Section 11: TOXICOLOGICAL INFORMATION**

### Information on likely routes of exposure

Eye contact

Causes serious eye irritation

**Skin Contact** 

May cause an allergic skin reaction

Ingestion
Not applicable

Inhalation

May cause drowsiness or dizziness

# 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
n-Butyl acetate 123-86-4	= 10768 mg/kg (Rat)	> 17600 mg/kg (Rabbit)	= 390 ppm (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
Benzene, 1-chloro-4-(trifluoromethyl)- 98-56-6	= 13 g/kg(Rat)	> 2 mL/kg(Rabbit)	= 33 mg/L (Rat)4 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
Titanium dioxide 13463-67-7	> 10000 mg/kg (Rat)	-	-
Solvent naphtha, petroleum, light aromatic 64742-95-6	= 8400 mg/kg ( Rat )	> 2000 mg/kg(Rabbit)	= 3400 ppm (Rat) 4 h
Bis(1,2,2,6,6-pentamethyl-4-piperidy l) sebacate 41556-26-7	= 2615 mg/kg(Rat)	_	-

2-Butanone, oxime	= 930 mg/kg (Rat)	1000 - 1800 mg/kg (Rabbit)	> 4800 mg/m³ (Rat) 4 h
96-29-7			
Zirconium ethyl hexoate	-	-	-
22464-99-9			
Decanedioic acid, 1-methyl	-	-	-
10-(1,2,2,6,6-pentamethyl-4-piperidi			
nyl) ester			
82919-37-7			
Ethylbenzene	= 3500 mg/kg (Rat)	= 15400 mg/kg (Rabbit)	= 17.4 mg/L (Rat) 4 h
100-41-4			

### Numerical measures of toxicity - Product Information

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

ATEmix (oral) 5348 Mg/kg ATEmix (inhalation-dust/mist) 28.2 mg/l ATEmix (inhalation-vapor) 207 mg/l

**UNKNOWN ACUTE TOXICITY** .0001% 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 titanium dioxide is thought to occur from use in paints since the pigment is bound to other materials. 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
Titanium dioxide		Group 2B		X
13463-67-7				
Ethylbenzene	A3	Group 2B		X
100-41-4		-		

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 Not applicable

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 Suspected of damaging fertility or the unborn child

Specific target organ toxicity (single exposure) May cause drowsiness or dizziness

Specific target organ toxicity (repeated exposure) Not applicable

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 from residues/unused products

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.

# **Section 14: TRANSPORT INFORMATION**

UN/ID no Proper shipping name	TDG UN1263 Paint	IMDG UN1263 Paint	IATA UN1263 Paint
Hazard Class	3	3	3
Packing Group	II	II	II
Environmental hazard			
Special Provisions		163, 367	A3, A72, A192
		EmS-No	
		F-E, S-E	
Transport in hulk according to	to Annov II of MAPPOL 73/7	78 and the IBC Code	No information available

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**

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

**DSL** - Canadian Domestic Substances List

All components are listed or exempt from listing

Not all components are listed or exempt from listing

Chemical Name	Canada - NPRI (National Pollutant Release Inventory)
Methyl acetate	Part 4 Substance (as set out in Section 65 of the List of Toxic
	Substances in Schedule 1 of the Canadian Environmental Protection Act,
	1999)
n-Butyl acetate	Part 5, Individual Substances
Methyl n-amyl ketone	Part 4 Substance (as set out in Section 65 of the List of Toxic
	Substances in Schedule 1 of the Canadian Environmental Protection Act,
	1999)
Benzene, 1-chloro-4-(trifluoromethyl)-	Part 4 Substance (as set out in Section 65 of the List of Toxic
	Substances in Schedule 1 of the Canadian Environmental Protection Act,
	1999)
Methyl propyl ketone	Part 4 Substance (as set out in Section 65 of the List of Toxic
	Substances in Schedule 1 of the Canadian Environmental Protection Act,
	1999)
Solvent naphtha, petroleum, light aromatic	Part 5, Other Groups and Mixtures
Ethylbenzene	Part 1, Group A Substance

# **Section 16: OTHER INFORMATION**

**HMIS** 

Prepared By Regulatory Department

Revision date 27-Sep-2019

Revision Note No information available

**Disclaimer** 

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**