

## SAFETY DATA SHEET

## SECTION 1. IDENTIFICATION

## Product identifier used on the label

: ZIEBART YELLOW

Other means of identification : Fine Polish

## Recommended use of the chemical and restrictions on use

: Polishing agent.  
Professional use only  
Recommended restrictions: None known.

Chemical family : Mixture

## Name, address, and telephone number of the supplier:

Ziebart International Corp.

1290 E Maple

Troy, MI,

48083

Supplier's Telephone # : 248-588-4100

24 Hr. Emergency Tel # : 1-800-262-8200 (CHEMTREC)

## Name, address, and telephone number of the manufacturer:

Refer to supplier

## SECTION 2. HAZARDS IDENTIFICATION

## Classification of the chemical

Light grey paste. Characteristic odor.

This material is classified as hazardous under U.S. OSHA regulations (29CFR 1910.1200) (Hazcom 2012) and Canadian WHMIS regulations (Hazardous Products Regulations) (WHMIS 2015).

Classification :

Skin Corrosion/Irritation - Category 2

## Label elements

Hazard pictogram(s)



Signal Word

WARNING!

Hazard statement(s)

H315 Causes skin irritation.

Precautionary statement(s)

P264 Wash thoroughly after handling.

P280 Wear protective gloves.

IF ON SKIN: P302 + 352 Wash with plenty of soap and water.

P332 + 313 If skin irritation occurs, get medical advice/attention.

P362 + 364 Take off contaminated clothing and wash it before reuse.

## Other hazards

Other hazards which do not result in classification: May cause skin and respiratory irritation. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

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### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixture

<u>Chemical name</u>	<u>Common name and synonyms</u>	<u>CAS #</u>	<u>Concentration (% by weight)</u>
Aluminum oxide	Aluminum trioxide	1344-28-1	10.0 - 30.0
Distillate (petroleum) hydrotreated heavy	Odorless mineral spirits	64742-48-9	5.0 - 10.0
White mineral oil	Paraffin oil Liquid petrolatum	8042-47-5	1.0 - 5.0
Glycerol	Glycerol 1,2,3-Propanetriol Trihydroxypropane	56-81-5	1.0 - 5.0

The exact concentrations and/or specific chemical identities of the above listed chemicals are being withheld as a trade secret.

### SECTION 4. FIRST-AID MEASURES

#### Description of first aid measures

- Ingestion* : Do NOT induce vomiting. Have victim rinse mouth with water, then give one to two glasses of water to drink. Never give anything by mouth to an unconscious person. Call a physician.
- Inhalation* : If inhaled, move to fresh air. If breathing is difficult, give oxygen by qualified medical personnel only. If breathing has stopped, give artificial respiration. Obtain medical attention if symptoms develop and persist.
- Skin contact* : Wash with water and soap as a precaution. If irritation or symptoms develop, seek medical attention.
- Eye contact* : If in eyes: Rinse cautiously with water for several minutes. If irritation persists, seek prompt medical attention.

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

- : Causes skin irritation. Symptoms may include redness, itching and swelling.

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

- : Treat symptomatically.

### SECTION 5. FIRE-FIGHTING MEASURES

#### Extinguishing media

##### *Suitable extinguishing media*

- : Use media suitable to the surrounding fire such as water fog or fine spray, alcohol foams, carbon dioxide and dry chemical.

##### *Unsuitable extinguishing media*

- : Do not use a solid water stream as it may scatter and spread fire.

#### Special hazards arising from the substance or mixture / Conditions of flammability

- : Burning may produce irritating, toxic and obnoxious fumes.

#### Flammability classification (OSHA 29 CFR 1910.106)

- : Not flammable.

#### Hazardous combustion products

- : Carbon oxides ;Other irritating fumes and smoke.

#### Special protective equipment and precautions for firefighters

##### *Protective equipment for fire-fighters*

- : Firefighters should wear proper protective equipment and self-contained breathing apparatus with full face piece operated in positive pressure mode. Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.

##### *Special fire-fighting procedures*

- : Move containers from fire area if safe to do so. Cool closed containers exposed to fire with water spray. Do not allow run-off from fire fighting to enter drains or water courses. Dike for water control.

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**SECTION 6. ACCIDENTAL RELEASE MEASURES**

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

- : Restrict access to area until completion of clean-up. Ensure clean-up is conducted by trained personnel only. Wear suitable protective equipment. Refer to protective measures listed in sections 7 and 8. Restrict access to area until completion of clean-up.

**Environmental precautions** : Ensure spilled product does not enter drains, sewers, waterways, or confined spaces.

**Methods and material for containment and cleaning up**

- : Ventilate area of release. Stop spill or leak at source if safely possible. Dike for water control. Contain and absorb spilled liquid with non-combustible, inert absorbent material (e.g. sand), then place absorbent material into a container for later disposal (see Section 13).

**Special spill response procedures**

- : If a spill/release in excess of the EPA reportable quantity is made into the environment, immediately notify the national response center in the United States (phone: 1-800-424-8802).  
US CERCLA Reportable quantity (RQ): See section 15.

**SECTION 7. HANDLING AND STORAGE**

**Precautions for safe handling**

- : Use with appropriate and adequate ventilation. Avoid contact with eyes, skin and clothing. Keep away from incompatibles. Keep containers tightly closed when not in use. Wash thoroughly after handling. Avoid breathing mist or vapor. Contaminated work clothing must not be allowed out of the workplace. Protect from moisture. Keep containers tightly closed when not in use. Persons with recurrent skin eczema or sensitization problems should be excluded from working with this product. Once a person is sensitized, no further exposure to the material that caused the sensitization should be permitted.

**Conditions for safe storage** : Store in a cool, dry, well-ventilated area. Storage area should be clearly identified, clear of obstruction and accessible only to trained and authorized personnel. Keep container tightly closed.

**Incompatible materials** : None known or reported by the manufacturer.

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

<u>Exposure Limits:</u>				
<u>Chemical Name</u>	<u>ACGIH TLV</u>		<u>OSHA PEL</u>	
	<u>TWA</u>	<u>STEL</u>	<u>PEL</u>	<u>STEL</u>
Aluminum oxide	1 mg/m <sup>3</sup> (respirable)	N/Av	15 mg/m <sup>3</sup> (total dust); 5 mg/m <sup>3</sup> (respirable)	N/Av
Distillate (petroleum) hydrotreated heavy	N/Av	N/Av	N/Av	N/Av
White mineral oil	5 mg/m <sup>3</sup> (inhalable) (As 'Oil mist, mineral')	N/Av	5 mg/m <sup>3</sup> (As 'Oil mist, mineral')	N/Av
Glycerol	N/Av	N/Av	15 mg/m <sup>3</sup> (mist, total particulate); 5 mg/m <sup>3</sup> (mist, respirable fraction)	N/Av

**Exposure controls**

**Ventilation and engineering measures**

- : Use in a well-ventilated area. Use general or local exhaust ventilation to maintain air concentrations below recommended exposure limits.

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- Respiratory protection** : Use the indicated respiratory protection if the occupational exposure limit is exceeded and/or in case of product release (dust and/or fumes). Advice should be sought from respiratory protection specialists.
- Skin protection** : Wear protective gloves. Advice should be sought from glove suppliers.
- Eye / face protection** : Wear eye/face protection. Wear safety glasses with side shields ( or goggles).
- Other protective equipment** : Wear sufficient clothing to prevent skin contact. Depending on conditions of use, an impervious apron should be worn. An eyewash station and safety shower should be made available in the immediate working area.
- General hygiene considerations** : Avoid contact with skin, eyes and clothing. Upon completion of work, wash hands before eating, drinking, smoking or use of toilet facilities. Handle in accordance with good industrial hygiene and safety practice. Contaminated work clothing must not be allowed out of the workplace.

**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

- Appearance** : light grey paste
- Odour** : characteristic
- Odour threshold** : Not available.
- pH** : 7.8
- Melting Point/Freezing point** : Not available.
- Initial boiling point and boiling range** : 100-330°C
- Flash point** : > 70°C
- Flashpoint (Method)** : Not available.
- Evaporation rate (BuAe = 1)** : Not available.
- Flammability (solid, gas)** : Not applicable.
- Lower flammable limit (% by vol.)** : Not applicable.
- Upper flammable limit (% by vol.)** : Not applicable.
- Oxidizing properties** : Not applicable
- Explosive properties** : Not explosive
- Vapour pressure** : Not available.
- Vapour density** : Not available.
- Relative density / Specific gravity** : 1.00g/cm<sup>3</sup>
- Solubility in water** : insoluble
- Other solubility(ies)** : Not available.
- Partition coefficient: n-octanol/water or Coefficient of water/oil distribution** : Not available.
- Auto-ignition temperature** : Not applicable.
- Decomposition temperature** : Not available.
- Viscosity** : >20.5mm<sup>2</sup>/s
- Volatiles (% by weight)** : 14%
- Volatile organic Compounds (VOC's)** : 12.050%
- Absolute pressure of container** : Not applicable.
- Flame projection length** : Not applicable.
- Other physical/chemical comments** : None known or reported by the manufacturer.

**SECTION 10. STABILITY AND REACTIVITY**

- Reactivity** : This product is not reactive.
- Chemical stability** : Material is stable under normal conditions.

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**Possibility of hazardous reactions**

: Hazardous polymerization does not occur.

**Conditions to avoid**

: Extremes of temperature and direct sunlight.

**Incompatible materials**

: See Section 7 (Handling and Storage) for further details.

**Hazardous decomposition products**

: None known, refer to hazardous combustion products in Section 5.

**SECTION 11. TOXICOLOGICAL INFORMATION**

**Information on likely routes of exposure:**

**Routes of entry inhalation** : YES

**Routes of entry skin & eye** : YES

**Routes of entry Ingestion** : YES

**Routes of exposure skin absorption**

: NO

**Potential Health Effects:**

**Signs and symptoms of short-term (acute) exposure**

*Sign and symptoms Inhalation*

: May cause respiratory irritation. Symptoms may include sore throat, running nose and shortness of breath.

*Sign and symptoms ingestion*

: Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

*Sign and symptoms skin*

: Causes skin irritation. Symptoms may include redness, itching and swelling.

*Sign and symptoms eyes*

: Direct eye contact may cause slight or mild, transient irritation.

**Potential Chronic Health Effects**

: Frequent or prolonged contact may dry the skin, leading to discomfort and dermatitis.

**Mutagenicity**

: Not expected to be mutagenic in humans.

**Carcinogenicity**

: No components are listed as carcinogens by ACGIH, IARC, OSHA or NTP.

**Reproductive effects & Teratogenicity**

: Not expected to cause reproductive effects.

**Sensitization to material**

: Not expected to be a skin or respiratory sensitizer.

**Specific target organ effects**

: This material is not classified as hazardous under U.S. OSHA regulations (29CFR 1910.1200) (Hazcom 2012) and Canadian WHMIS regulations (Hazardous Products Regulations) (WHMIS 2015).

**Medical conditions aggravated by overexposure**

: None known.

**Synergistic materials**

: Not available.

**Toxicological data**

: There is no available data for the product itself, only for the ingredients. See below for individual ingredient acute toxicity data.

<b><u>Chemical name</u></b>	<b><u>LC<sub>50</sub>(4hr)</u></b> <b><u>inh, rat</u></b>	<b><u>LD<sub>50</sub></u></b>	
		<b><u>(Oral, rat)</u></b>	<b><u>(Rabbit, dermal)</u></b>
Aluminum oxide	> 2.3 mg/L (dust) (No mortality)	> 2000 mg/kg (No mortality)	N/Av
Distillate (petroleum) hydrotreated heavy	> 5.04 mg/L (vapour)	> 7000 mg/kg	> 2000 mg/kg (No mortality)
White mineral oil	> 5 mg/L (mist) (No mortality)	> 5000 mg/kg	> 2000 mg/kg
Glycerol	> 2.75 mg/L (mist) (No mortality)	27,200 mg/kg	> 18,700 mg/kg

**Other important toxicological hazards**

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: None known or reported by the manufacturer.

**SECTION 12. ECOLOGICAL INFORMATION**

**Ecotoxicity** : Not classified for hazards to the environment. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

**Ecotoxicity data:**

<u>Ingredients</u>	CAS No	Toxicity to Fish		
		LC50 / 96h	NOEC / 21 day	M Factor
Aluminum oxide	1344-28-1	> 100 mg/L (Brown trout)	N/Av	None.
Distillate (petroleum) hydrotreated heavy	64742-48-9	8.2 mg/L (Fathead minnow)	N/Av	None.
White mineral oil	8042-47-5	> 1000 mg/L (Rainbow trout)	> 1000 mg/L/28-day	None.
Glycerol	56-81-5	51,000 - 57,000 mg/L (Rainbow trout)	N/Av	None.

<u>Ingredients</u>	CAS No	Toxicity to Daphnia		
		EC50 / 48h	NOEC / 21 day	M Factor
Aluminum oxide	1344-28-1	> 100 mg/L (Daphnia magna)	N/Av	None.
Distillate (petroleum) hydrotreated heavy	64742-48-9	32 mg/L (Daphnia magna)	6.3 mg/L	None.
White mineral oil	8042-47-5	> 100 mg/L (Daphnia magna)	> 10 mg/L (Read-across)	None.
Glycerol	56-81-5	1851 - 2068 mg/L (Daphnia magna)	N/Av	None.

<u>Ingredients</u>	CAS No	Toxicity to Algae		
		EC50 / 96h or 72h	NOEC / 96h or 72h	M Factor
Aluminum oxide	1344-28-1	> 100 mg/L/72hr (Green algae) (Read-across)	N/Av	None.
Distillate (petroleum) hydrotreated heavy	64742-48-9	45 mg/L/96hr (Green algae)	18 mg/L/96hr	None.
White mineral oil	8042-47-5	N/Av	> 100 mg/L/72hr (NOEL) (Green algae)	None.
Glycerol	56-81-5	77,712 mg/L/96hr (Green algae) (QSAR)	N/Av	None.

**Persistence and degradability**

: No data is available on the product itself.

**Bioaccumulation potential**

: No data is available on the product itself.

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<u>Components</u>	<u>Partition coefficient n-octanol/water (log Kow)</u>	<u>Bioconcentration factor (BCF)</u>
Distillate (petroleum) hydrotreated heavy (CAS 64742-48-9)	2.1 - 6 (calculated)	10 - 2500 (calculated)
Aluminum oxide (CAS 1344-28-1)	N/Ap	N/Ap
Glycerol (CAS 56-81-5)	- 1.76	3.162

**Mobility in soil** : No data is available on the product itself.

**Other Adverse Environmental effects**

: No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.





**SECTION 13. DISPOSAL CONSIDERATIONS**

**Handling for Disposal** : Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Dispose of contents/container in accordance with local/regional/national/international regulations.

**Methods of Disposal** : Dispose in accordance with all applicable federal, state, provincial and local regulations.

**RCRA** : If this product, as supplied, becomes a waste in the United States, it may meet the criteria of a hazardous waste as defined under RCRA, Title 40 CFR 261. It is the responsibility of the waste generator to determine the proper waste identification and disposal method. For disposal of unused or waste material, check with local, state and federal environmental agencies.

**SECTION 14. TRANSPORT INFORMATION**

<b>Regulatory Information</b>	<b>UN Number</b>	<b>UN proper shipping name</b>	<b>Transport hazard class(es)</b>	<b>Packing Group</b>	<b>Label</b>
49CFR/DOT	None.	Not regulated.	not regulated	none	
<b>49CFR/DOT Additional information</b>	None.				
TDG	None.	Not regulated.	Not regulated	none	
<b>TDG Additional information</b>	None.				
IMDG	None.	Not regulated.	not regulated	none	
<b>IMDG Additional information</b>	None.				
ICAO/IATA	None.	Not regulated.	not regulated	none	
<b>ICAO/IATA Additional information</b>	None.				

**Special precautions for user** : None known or reported by the manufacturer.

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**Environmental hazards** : This substance does not meet the criteria for an environmentally hazardous substance according to the IMDG Code. See ECOLOGICAL INFORMATION, Section 12.

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**  
: Not available.

**SECTION 15 - REGULATORY INFORMATION**

**US Federal Information:**

Components listed below are present on the following U.S. Federal chemical lists:

<u>Ingredients</u>	CAS #	TSCA Inventory	CERCLA Reportable Quantity(RQ) (40 CFR 117.302):	SARA TITLE III: Sec. 302, Extremely Hazardous Substance, 40 CFR 355:	SARA TITLE III: Sec. 313, 40 CFR 372, Specific Toxic Chemical	
					Toxic Chemical	de minimus Concentration
Aluminum oxide	1344-28-1	Yes	N/Ap	N/Ap	Yes	1%
Distillate (petroleum) hydrotreated heavy	64742-48-9	Yes	None.	None.	No	N/Ap
White mineral oil	8042-47-5	Yes	None.	None.	No	N/Ap
Glycerol	56-81-5	Yes	None.	None.	No	N/Ap

SARA TITLE III: Sec. 311 and 312, SDS Requirements, 40 CFR 370 Hazard Classes: Health hazards (Skin irritation ).Under SARA Sections 311 and 312, the EPA has established threshold quantities for the reporting of hazardous chemicals. The current thresholds are 500 pounds or the threshold planning quantity (TPQ), whichever is lower, for extremely hazardous substances and 10,000 pounds for all other hazardous chemicals.

**US State Right to Know Laws:**

The following chemicals are specifically listed by individual States:

<u>Ingredients</u>	CAS #	California Proposition 65		State "Right to Know" Lists					
		Listed	Type of Toxicity	CA	MA	MN	NJ	PA	RI
Aluminum oxide	1344-28-1	No	N/Ap	Yes	Yes	Yes	Yes	Yes	No
Distillate (petroleum) hydrotreated heavy	64742-48-9	No	N/Ap	No	No	No	No	No	No
White mineral oil	8042-47-5	No	N/Ap	No	No	No	No	No	No
Glycerol	56-81-5	No	N/Ap	No	Yes	Yes	No	Yes	Yes

**Canadian Information:**

WHMIS information: Refer to Section 2 for a WHMIS Classification for this product.

Canadian Environmental Protection Act (CEPA) information: All ingredients listed appear on the Domestic Substances List (DSL).

**International Information:**

Components listed below are present on the following International Inventory list:



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Ingredients	CAS #	European EINECS	Australia AICS	Philippines PICCS	Japan ENCS	Korea KECI/KECL	China IECSC	NewZealand IOC
Aluminum oxide	1344-28-1	215-691-6	Present	Present	(1)-23	KE-01012	Present	May be used as a single component chemical under an appropriate group standard.
Distillate (petroleum) hydrotreated heavy	64742-48-9	265-150-3	Present	Present	(9)-1690	KE-25622	Present	May be used as a single component chemical under an appropriate group standard.
White mineral oil	8042-47-5	232-455-8	Present	Present	(9)-1700	KE-35412	Present	May be used as a single component chemical under an appropriate group standard.
Glycerol	56-81-5	200-289-5	Present	Present	(7)-338; (2)-242	KE-29297	Present	May be used as a single component chemical under an appropriate group standard.

## SECTION 16. OTHER INFORMATION

## Legend

: ACGIH: American Conference of Governmental Industrial Hygienists  
CAS: Chemical Abstract Services  
CERCLA: Comprehensive Environmental Response, Compensation, and Liability Act of 1980  
CFR: Code of Federal Regulations  
CSA: Canadian Standards Association  
DOT: Department of Transportation  
EPA: Environmental Protection Agency  
HMIS: Hazardous Materials Identification System  
HSDB: Hazardous Substances Data Bank  
IARC: International Agency for Research on Cancer  
Inh: Inhalation  
LC: Lethal Concentration  
LD: Lethal Dose  
MN: Minnesota  
N/Ap: Not Applicable  
N/Av: Not Available  
NFPA: National Fire Protection Association  
NIOSH: National Institute of Occupational Safety and Health  
NJ: New Jersey  
NTP: National Toxicology Program  
OECD: Organisation for Economic Co-operation and Development  
OSHA: Occupational Safety and Health Administration  
PA: Pennsylvania  
PEL: Permissible exposure limit  
RCRA: Resource Conservation and Recovery Act  
RI: Rhode Island  
RTECS: Registry of Toxic Effects of Chemical Substances  
SARA: Superfund Amendments and Reauthorization Act  
STEL: Short Term Exposure Limit  
TLV: Threshold Limit Values  
TWA: Time Weighted Average  
WHMIS: Workplace Hazardous Materials Identification System

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- References** :
1. ACGIH, Threshold Limit Values for Chemical Substances and Physical Agents & Biological Exposure Indices for 2018.
  2. International Agency for Research on Cancer Monographs, searched 2018.
  3. Canadian Centre for Occupational Health and Safety, CCInfoWeb databases, 2018 (Chempendium, HSDB and RTECs).
  4. Material Safety Data Sheets from manufacturer.
  5. US EPA Title III List of Lists - March 2015 version.
  6. California Proposition 65 List - November 23, 2018 version.
  7. OECD - The Global Portal to Information on Chemical Substances - eChemPortal, 2018.

**Preparation Date (mm/dd/yyyy)**  
: 05/06/2019

**Other special considerations for handling**  
: Provide adequate information, instruction and training for operators.

<p><b><u>Prepared for:</u></b> Ziebart International Corp. 1290 E. Maple Road Troy, MI 48083 Telephone: (248) 588-4100</p>	
<p><b><u>Prepared by:</u></b> ICC The Compliance Center Inc. Telephone: (888) 442-9628 (U.S.): (888) 977-4834 (Canada) <a href="http://www.thecompliancecenter.com">http://www.thecompliancecenter.com</a></p>	

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