

Safety Data Sheet acc. to OSHA HCS

Printing date 08/15/2022

Version number 102

Reviewed on 08/15/2022

1 Identification

- · Product identifier
 - · Product number PF51
 - Trade name: UNIVERSAL YELLOW DYE • Application of the substance / the mixture For professional use
- · Details of the supplier of the safety data sheet
 - Manufacturer/Supplier: IVM Chemicals Srl
 Viale della Stazione 3 -27020 Parona (PV)Italy -Tel +39 038425441
 - Information department: Environmental Health and safety office hseoffice @ivmchemicals.com
 - Emergency telephone number: ChemTel Expert Assistance Hotline/SDS Fax Access by dialing 1-800-255-3924 or for International +1-813-248-0585.

2 Hazard(s) identification

Classification of the substance or mixture
 Flammable Liquids 3
 Sensitization - Skin 1
 Carcinogenicity 2
 Toxic to Reproduction 1B
 Specific Target Organ Toxicity - Single Exposure 3H336 May cause drowsiness or dizziness.

· Label elements

GHS label elements
 The product is classified and labeled according to the Globally Harmonized System (GHS).
 Hazard pictograms



· Signal word Danger

- · Hazard-determining components of labeling: 1-methoxy-2-propanol C.I. Acid Yellow 151 2-methoxypropanol · Hazard statements H226 Flammable liquid and vapor. H317 May cause an allergic skin reaction. H351 Suspected of causing cancer. H360 May damage fertility or the unborn child. H336 May cause drowsiness or dizziness. · Precautionary statements P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking. P241 Use explosion-proof electrical/ventilating/lighting/equipment. P261 Avoid breathing dust/fume/gas/mist/vapors/spray P303+P361+P353 If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
- P405 Store locked up.
- P501 Dispose of contents/container in accordance with local/regional/national/ international regulations.

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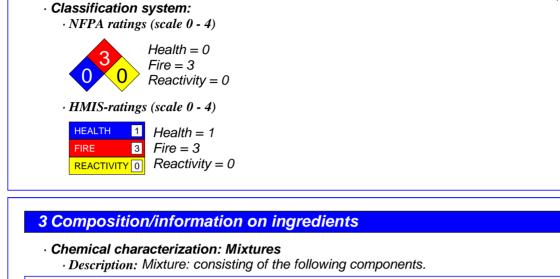
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· Dangerou	is components:	
107-98-2	1-methoxy-2-propanol	75-100%
	 Flammable Liquids 3, H226 Specific Target Organ Toxicity - Single Exposure 3, H336 	
72496-88-9	C.I. Acid Yellow 151	2.5-4.99%
	 Carcinogenicity 2, H351 Sensitization - Skin 1B, H317 Aquatic Acute 3, H402; Aquatic Chronic 3, H412 	
1589-47-5	 2-methoxypropanol Flammable Liquids 3, H226 Toxic to Reproduction 1B, H360 Eye Damage 1, H318 Skin Irrititation 2, H315; Specific Target Organ Toxicity - Single Exposure 3, H335 	≥0.1-<0.5%

4 First-aid measures

· Description of first aid measures

· General information:

Immediately remove any clothing soiled by the product.

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

personal protective equipment for first aid responders is recommended. (please see section 8) \cdot *After inhalation:*

Supply fresh air and to be sure call for a doctor.

In case of unconsciousness place patient stably in side position for transportation.

After skin contact: Immediately wash with water and soap and rinse thoroughly.

After eye contact: Rinse opened eye for several minutes under running water.

• After swallowing: Do not induce vomiting; immediately call for medical help.

· Information for doctor:

• Most important symptoms and effects, both acute and delayed Allergic reactions

For symptoms and effects caused by substances, refer to Section 11.

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• Indication of any immediate medical attention and special treatment needed No further relevant information available. (Contd. of page 2)

5 Fire-fighting measures

· Extinguishing media

- · Suitable extinguishing agents:
- Alcohol resistant foam
- Alcohol resistant foam, CO, powder, water spray/mist.
- · For safety reasons unsuitable extinguishing agents:
- Do not use a jet water stream as it may scatter and spread fire.
- Special hazards arising from the substance or mixture In case of fire, the following can be released: Nitrogen oxides (NOx) Carbon monoxide (CO)

Advice for firefighters

Cool by spraying with water the containers to prevent product decomposition and the development of substances potentially hazardous for health and also, in the case of closed containers exposed to flames to prevent explosions.

· Protective equipment:

Hardhat with visor, fireproof clothing, suitable gloves and if necessary respiratory protective device.

6 Accidental release measures

Wear prov Ensure ac Keep awa Dilute with Do not all Methods Absorb w Dispose o Ensure ac See Secto See Secto See Secto	 precautions, protective equipment and emergency procedures tective equipment. Keep unprotected persons away. dequate ventilation ay from ignition sources mental precautions: h plenty of water. ow to enter sewers/ surface or ground water. and material for containment and cleaning up: ith liquid-binding material (sand, diatomite, acid binders, universal binders, save contaminated material as waste according to Section 13. dequate ventilation. e to other sections ion 7 for information on safe handling. ion 8 for information on personal protection equipment. ion 13 for disposal information. re Action Criteria for Chemicals 	vdust).	
· PAC-1	:		
107-98-2	1-methoxy-2-propanol	100 ppm	
· PAC-2	:		
107-98-2	2 1-methoxy-2-propanol 160 ppm		
· PAC-3	:		
107-98-2	1-methoxy-2-propanol	660 ppm	
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7 Handling and storage

· Handling:

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- · Precautions for safe handling
- Ensure good ventilation/exhaustion at the workplace.
- Open and handle receptacle with care.
- Prevent formation of aerosols.
- Protect against electrostatic charges.
- Keep respiratory protective device available.
- Use explosion-proof apparatus / fittings and spark-proof tools.
- Information about protection against explosions and fires:
- Keep ignition sources away Do not smoke. Protect against electrostatic charges.
- Keep respiratory protective device available.

· Conditions for safe storage, including any incompatibilities

- · Storage:
 - *Requirements to be met by storerooms and receptacles:* Provide solvent resistant, sealed floor.
 - Observe the label precautions, the expiration date for the use, if not indicated, is from delivery date of goods.
 - In cases where there is no reported expiration date , it means that the product must be used within 8 months.
 - · Information about storage in one common storage facility: Not required.
 - · Further information about storage conditions: Keep receptacle tightly sealed.
- Specific end use(s) Those typical of the product and the instructions in the data sheet if required.

8 Exposure controls/personal protection

· Additional information about design of technical systems: No further data; see item 7.

· Control parameters

- · Components with limit values that require monitoring at the workplace:
- The following constituent is the only constituent of the product which has a PEL, TLV or other recommended exposure limit.
- At this time, the other constituents have no known exposure limits.

107-98-2 1-methoxy-2-propanol

- REL Short-term value: 540 mg/m³, 150 ppm Long-term value: 360 mg/m³, 100 ppm
- TLV Short-term value: 100 ppm Long-term value: 50 ppm A4

· Additional information: The lists that were valid during the creation were used as basis.

· Exposure controls

· Personal protective equipment:

- General protective and hygienic measures:
 - Keep away from foodstuffs, beverages and feed.
- Immediately remove all soiled and contaminated clothing.
- Wash hands before breaks and at the end of work.
- Store protective clothing separately.
- Pregnant women should strictly avoid inhalation or skin contact.

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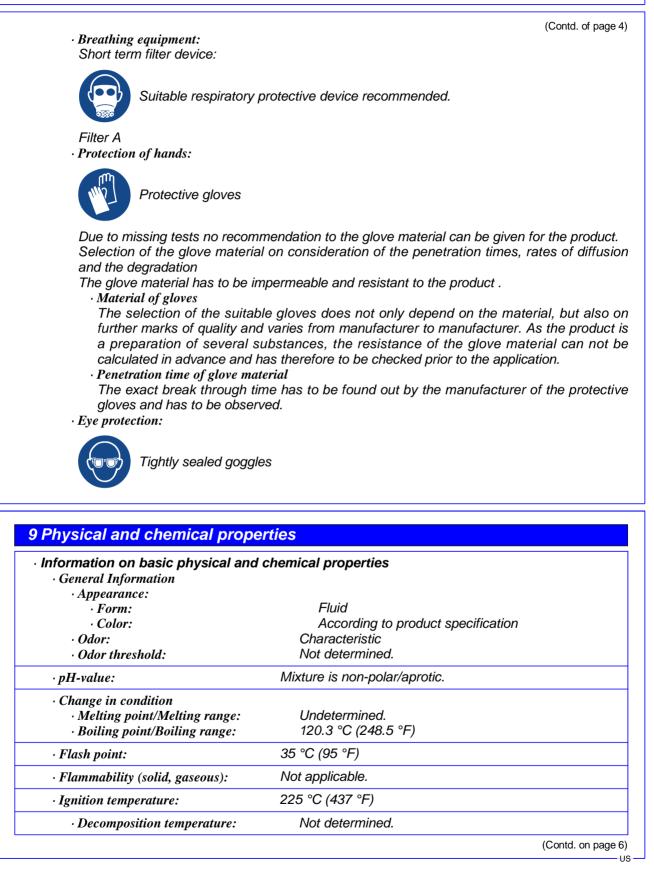
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Trade name:	UNIVERSAL	YELLOW DYE

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· Auto igniting:	Product is not selfigniting.	
· Danger of explosion:	Product is not explosive. However, formation of exp air/vapor mixtures are possible.	olosiv
· Explosion limits:		
Lower:	2.3 Vol %	
· Upper:	~20 Vol %	
· Vapor pressure at 20 °C (68 °F):	12 hPa (9 mm Hg)	
• Density (+/- 0,03) at 20 °C (68 °F):	0.929 g/cm³ (7.753 lbs/gal)	
· Relative density	Not determined.	
· Vapor density	Not determined.	
· Evaporation rate	Not determined.	
· Solubility in / Miscibility with		
· Water:	Not determined.	
· Partition coefficient (n-octanol/water): Not determined.	
· Viscosity:		
· Dynamic:	Not determined.	
• <i>Kinematic at 20</i> • <i>C</i> (68 • <i>F</i>):	40 s (ISO 4 mm)	
· Oxidising properties:	N.A.	
· Solvent content:		
· VOC content:	95.20 %	
	884.4 g/l / 7.38 lb/gal	
· Solids content:	4.8 %	
• Other information (HAPS)		
112-34-5 2-(2-butoxyethoxy)ethanol	•	<0.1%
· Other information	No further relevant information available.	

10 Stability and reactivity

· Reactivity typical of the product as indicated in the data sheet

- **Chemical stability** The product is stable in normal conditions of storage and use recommended • Thermal decomposition / conditions to be avoided:
 - No decomposition if used and stored according to specifications.
- · Possibility of hazardous reactions Vapours may form explosive mixtures with air
- · Conditions to avoid No further relevant information available.
- · Incompatible materials: Acids, alkalis and oxidizing agents
- · Hazardous decomposition products: No dangerous decomposition products known.

11 Toxicological information

· Information on toxicological effects

· Acute toxicity:

· LD/LC50 values that are relevant for classification:			
107-98-2	1-methox	ky-2-propanol	
Oral	LD50	4,016 mg/kg (mouse)	
Dermal	LD50	5,001 mg/kg (rabbit)	
		·	(Contd. on page 7)



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Innalativ	/e LC50/4 h	5,001 mg/l (mouse)	
72496-8	8-9 C.I. Aci	d Yellow 151	
Oral	LD50	5,001 mg/kg (mouse)	
· P1	rimary irritar	t effect:	
	• on the skin	No irritant effect.	
	\cdot on the eye:	No irritating effect.	
• Se	ensitization:	Sensitization possible through skin contact.	
· Addit	ional toxicol	ogical information:	
Irrital			
May	cause an al	ergic skin reaction.	
Susp	ected of cau	ising cancer.	
May	damage fert	ility or the unborn child.	
		siness or dizziness.	
· C	arcinogenic d	ategories	
	· IARC (Inte	rnational Agency for Research on Cancer - Cl. 1 and 2)	
72496-8	8-9 C.I. Aci	d Yellow 151	2E
	· NTP (Natio	nal Toxicology Program)	
None of	the ingredie	nts is listed.	
	· OSHA-Ca	Occupational Safety & Health Administration)	
None of	the inaredie	nts is listed.	

	-			
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· Toxicity

· Aquatic toxicity:

107-98-2 1-methoxy-2-propanol

EC50 21,100 mg/l (daphnia) (48 h)

LC50 (96h) 6,812 mg/l (Fish)

· Persistence and degradability No further relevant information available.

· Substances Easily biodegradable

107-98-2 1-methoxy-2-propanol .

Behavior in environmental systems:

- · Bioaccumulative potential No further relevant information available.
- · Mobility in soil No further relevant information available.

· Additional ecological information:

· General notes:

Water hazard class 1 (Self-assessment): slightly hazardous for water

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

· Other adverse effects No further relevant information available.

13 Disposal considerations

· Waste treatment methods

· Recommendation:

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

Hand over to hazardous waste disposers.

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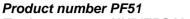
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Dispose of contents and container in accordance with local state and federal regulations.

· Uncleaned packagings:

- Recommendation: Disposal must be made according to official regulations.
- · Recommended cleansing agent: Water, if necessary with cleansing agents.

JN-Number	
· DOT, IMDG, IATA	UN1263
· Note	Check viscosity and flash point at section 9
JN proper shipping name	
· DOT	Paint
· IMDG, IATA	PAINT
Fransport hazard class(es)	
· DOT	
V	
· Class	3 Flammable liquids
· Label	3
· Class	3 Flammable liquids
· Label	3
· IMDG, IATA	
· Class	3 Flammable liquids
· Label	3
Packing group	
· DOT, IMDĠ, IATA	<i>III</i>
Environmental hazards:	
· Marine pollutant:	No
Special precautions for user	Warning: Flammable liquids
• Hazard identification number (Kem	
• EMS Number:	F-E,S-E
· Stowage Category	A
Fransport in bulk according to Annex	c II of
MARPOL73/78 and the IBC Code	Not applicable.
Fransport/Additional information:	
·IMDG	
· Limited quantities (LQ)	5L

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• Excepted quantities (EQ)

Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml

· UN "Model Regulation":

UN 1263 PAINT, 3, III

15 Regulatory information

· Safety, health and environmental regulations/legislation specific for the substance or mixture

Requirements of Federal Register

· Various regulations

· SARA

· Section 355 (extremely hazardous substances):

None of the ingredients is listed.

· Section 313 (Specific toxic chemical listings) :

72496-88-9 C.I. Acid Yellow 151

112-34-5 2-(2-butoxyethoxy)ethanol

· TSCA (Toxic Substances Control Act):

All components have the value ACTIVE.

• Hazardous Air Pollutants

72496-88-9 C.I. Acid Yellow 151

· Proposition 65

· Chemicals known to cause cancer:

None of the ingredients is listed.

• Chemicals known to cause reproductive toxicity for females:

≥0.1-<0.5%

2.5-4.99%

<0.1%

· Chemicals known to cause reproductive toxicity for males:

None of the ingredients is listed.

1589-47-5 2-methoxypropanol

· Chemicals known to cause developmental toxicity:

None of the ingredients is listed.

· Carcinogenic categories

· EPA (Environmental Protection Agency)

None of the ingredients is listed.

· TLV (Threshold Limit Value)

None of the ingredients is listed.

· NIOSH-Ca (National Institute for Occupational Safety and Health)

None of the ingredients is listed.

· National regulations:

The product is subject to be labeled according with the prevailing version of the regulations on hazardous substances.

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· Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· Department issuing SDS: IVM Chemicals Srl
Contact: See emergency phone
· Date of preparation / last revision 08/15/2022 / 101
· Abbreviations and acronyms:
IMDG: International Maritime Code for Dangerous Goods
DOT: US Department of Transportation
IATA: International Air Transport Association
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
NFPA: National Fire Protection Association (USA)
HMIS: Hazardous Materials Identification System (USA)
VOC: Volatile Organic Compounds (USA, EU)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
NIOSH: National Institute for Occupational Safety
OSHA: Occupational Safety & Health TLV: Threshold Limit Value
PEL: Permissible Exposure Limit
REL: Recommended Exposure Limit
Flammable Liquids 3: Flammable liquids – Category 3
Skin Irrititation 2: Skin corrosion/irritation – Category 2
Eye Damage 1: Serious eye damage/eye irritation – Category 1
Sensitization - Skin 1: Skin sensitisation – Category 1
Sensitization - Skin 1B: Skin sensitisation – Category 1B
Carcinogenicity 2: Carcinogenicity – Category 2
Toxic to Reproduction 1B: Reproductive toxicity – Category 1B
Specific Target Organ Toxicity - Single Exposure 3: Specific target organ toxicity (single exposure) – Category 3
Aquatic Acute 3: Hazardous to the aquatic environment - acute aquatic hazard – Category 3
Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3
· Sources
REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE
COUNCIL and following amendments
COUNCIL and following amendments
Agency ECHA web site
INRS Fiche Toxicologique
IARC International agency for research on cancer
\cdot * Data compared to the previous version altered.