Conforms to Regulations: (EC) No. 1907/2006(REACH), 1272/2008(CLP) and OSHA final rule 77 Fed.Reg.17574

Material Safety Data Sheet

Date issued: September 30, 2022

SECTION 1. GHS PRODUCT IDENTIFIER

1.1. Name of the product: Leather Dyes (various colours)

1.2. Other means of identification: Product nos. 38221XXX

1.3. Recommended use of the product and restrictions on use: For dyeing leather only.

1.4. Details of the supplier:

Distributor:

Schmedt GmbH & Co. KG
Dwengerkamp 1
21035 Hamburg - Germany
Phone: +49 40 734744-0
E-Mail: info@schmedt.de
Emergency phone: +49 (0)341-39295837 (24 h)

SECTION 2. HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Classification / risks
According to classification criteria of GHS Part 2 for Flammable Liquids: **Flammable Liquid 2**
According to classification criteria of GHS Part 3 for Acute Toxicity: **Not Classified**
Based on generic cut-off values of GHS 1.5.3.1 for carcinogenicity: **Not Classified**
Based on GHS 3.3.2.9 criteria: **Eye irritant** 2 (irritating to eyes)

2.2. Label elements

Hazard Pictogram:

Signal word:	DANGER
Hazard Code:	Hazard statement
H 225	Highly flammable liquid and vapour
H 315	Causes skin irritation
H 319	Causes serious eye irritation
Precaution:	P101: If medical advice is needed, have product container or label at hand. P102: Keep out of reach of children
Prevention:	P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking. P280: Wear protective gloves/protective clothing, eye protection/face protection.
Response:	P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P303 + P361 +P353 IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.
Storage:	P403 + P235 Store in a well –ventilated place. Keep cool. Keep store locked up
Disposal:	P501 Dispose of contents and containers in accordance with all Local, Regional, National and international regulations.

Additional Hazards: Not applicable.
PBT & vPvB: See Section 12.5 for more detailed information on PBT and vPvB.

SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS
3.1. Mixtures
Classification:

Ingredient	CAS#	EINECS#	Class	REACH Registration Number	Wt%
Water	7732-18-5		Not classified	Not applicable	5 - 15
2-(2-ethoxyethoxy) ethanol	111-90-0	203-919-7	Eye irrit. 2 H 319 Acute tox.3 H 331	01-2119475105-42-005	10 ï 30
Ethanol	64-17-5	200-578-6	Flam. Liq. 2 H 225	05-2114370565-44-0000	30 ï 60
Isopropanol	67-63-0	200-661-7	Flam. Liq. 2 H225 Eye irrit. 2 H 319 STOT SE 3 H336	Not available	1 - 5
Oleic Acid	112-80-1	204-007-1	Not classified	Exempt	5 - 10
CI Solvent Black 7	8005-02-5	Not available	Substance not listed in Annex VI-Table 3.1 of 1272-2008 (CLP)	Not available	3 - 4
Basic Red 22	12221-52-2		Substance not listed in Annex VI-Table 3.1 of 1272-2008 (CLP)	Not available	0.03 ï 3.0
Basic Orange 2	532-82-1		Substance not listed in Annex VI-Table 3.1 of 1272-2008 (CLP)	Not available	0.10 ï 5.0
Basic Blue 9	61-73-4		Substance not listed in Annex VI-Table 3.1 of 1272-2008 (CLP)	Not available	0.05 ï 1.0
Basic Yellow 87	68259-00-7		Substance not listed in Annex VI-Table 3.1 of 1272-2008 (CLP)	Not available	0.10 ï 3.0
Basic Green 4	569-64-2	209-322-8	Repr. 2 H361d Acute Tox. 4 Eye damage 1 H302 Aquatic Acute 1 H318 Aquatic H400 Chronic 1 H410	Not available	0.01 ï 3.0
Basic Blue 26	2580-56-5		Substance not listed in Annex VI-Table 3.1 of 1272-2008 (CLP)	Not available	0.1 - 3.0
Methyl Violet	8004-87-3		Substance not listed in Annex VI-Table 3.1 of 1272-2008 (CLP)	Not available	0.1 ï 4.0
Basic Black (azo & triphenyl methane dyes)	Proprietary mixture		Substance not listed in Annex VI-Table 3.1 of 1272-2008 (CLP)	Not available	0.1 ï 1.0

SECTION 4. FIRST AID MEASURES

4.1. Description of first aid measures

Eye: In case of eye contact, immediately flush eyes with plenty of water. Remove contact lenses, if worn. If irritation persists, get medical attention.

Skin: If irritation occurs, flush skin with plenty of water. Get medical attention if irritation persists. Take off contaminated / soaked clothes and remove it to a safe place.

Ingestion: If swallowed, do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical advice/attention if you feel unwell.

Inhalation: If breathing is difficult, remove the victim to fresh air and keep at rest in a Position comfortable for breathing. Get medical advice/attention if you feel Unwell.

4.2. Most important symptoms and effects, both acute and delayed: Not determined.

Eye: Causes severe eye irritation. Symptoms may include discomfort, redness, excess blinking and tear production with marked redness and swelling of the conjunctiva.

Skin: Causes skin irritation. Symptoms may include redness, drying, defatting and cracking of the skin.

Inhalation: May cause respiratory tract irritation.

Ingestion: May cause stomach distress, nausea or vomiting.

4.3. Indication of any immediate medical attention and special treatment needed :

Note to physicians: Symptoms may not appear immediately. If medical advice is needed, have product container or label at hand.
Specific treatments: In case of accident or if you feel unwell, seek medical advice immediately. Show The label or MSDS where possible.

SECTION 5. Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media: carbon dioxide, dry powder, foam; water spray or water fog.
Unsuitable extinguishing media: None known.

5.2. Special hazards arising from the substance or mixture

Products of Combustion: May include, and are not limited to: oxides of carbon, fumes, smoke and asphyxiants.

5.3. Advice for firefighters:

Proceed in accordance with procedures applicable for extinguishing chemical fire. Keep containers cool with water spray from a safe distance, and if possible remove them from the endangered area. Keep upwind of the fire. Wear full firefighting turn-out gear and respiratory protection.

SECTION 6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Use individual protection measures – see section 8 of the Safety Data Sheet. Limit the access of bystanders to the endangered area until proper cleaning operations are finished. In the case of great leakage isolate the endangered area. Ensure that

breakdown and its results are eliminated by a properly trained staff only. Avoid contact with the eyes, skin and clothes. Do not inhale vapors or mist. If release occurred in closed area, ensure adequate ventilation.

6.2. Environmental precautions
If it is possible and safe, stop or limit product release. Limit spreading of the great leakages by embanking the area. Prevent the product from penetrating drains, waters or soil. Notify respective authorities (occupational safety and hygiene, emergency brigades, environmental brigades and organs of administration).

6.3. Methods and material for containment and cleaning up
Cover up small spillage with non-flammable, neutral absorbent material (sand, soil, diatomic earth, vermiculite) and collect in an appropriate, closed, labeled waste bin. Clean the contaminated area with water with detergent, and then rinse with water. Dispose off according to the applicable regulations. If necessary, obtain help from specialist companies dealing with waste transport and utilization in order to remove the product/absorbent material contaminated with the product.

6.4. Reference to other sections: See also sections 8 and 13 of the Safety Data Sheet.

SECTION 7. HANDLING AND STORAGE

7.1. Precautions for safe handling

Handling: Keep away from heat, sparks, open flames, hot surfaces. No smoking. Ground/bond container and receiving equipment. Avoid contact with the eyes, skin and clothes. Avoid breathing vapor and fog. Keep unused containers tightly closed. Use in a ventilated area. Do not swallow. Handle and open container with care. When using do not eat, drink or smoke. Use only non-sparking tools.

General Hygiene: Essential hygiene rules should be observed. Clean hands with soapy water after work/break in work. Do not use contaminated clothing. Immediately remove contaminated clothing and wash before reuse. Use individual protection measures in accordance with the information contained in Section 8.

Fire and explosion prevention: Do not smoke, eliminate possible ignition sources.

7.2. Conditions for safe storage, including any incompatibilities
Storage: Store in tightly sealed and properly labeled containers, in a cool, well ventilated place and away from incompatible materials (See Section 10). Keep out of reach of children.

7.3. Specific end use(s): None available.

SECTION 8. EXPOSURE CONTROL AND PERSONAL PROTECTION EQUIPMENT

8.1. Control parameters
8.2. Exposure controls

Ingredients	OSHA-PEL/ACGIH-TLV / Others
Water	Not applicable
2-(2-ethoxyethoxy) ethanol	TWA 25 ppm; 140 mg/m3 US AIHA (WEEL)
Ethanol	TWA 400 ppm OSHA TWA 1000 ppm ACGIH
Isopropanol	TWA 400 ppm; TWA 999 mg/m3
Oleic Acid	None listed
CI Solvent Black 7	None listed
Basic Red 22	None listed
Basic Orange 2	None listed
Basic Blue 9	None listed
Basic Yellow 87	None listed
Basic Green 4	None listed
Basic Blue 26	None listed
Methyl Violet	None listed
Basic Black (azo & triphenyl methane dyes)	None listed

Appropriate engineering controls:
General ventilation and/or local fume hood in order to maintain hazardous agent concentration in air below acceptable limits. Local fume hood is preferred, since it enables emission control at source and prevents spreading throughout the working area.

Personal protective equipment:
Eye / face protection: Tight safety eyeglasses (goggles) in the case of prolonged exposure or the risk of liquid splashing to the eye. It is recommended to equip the workplace with a water shower to flush eyes.

Skin protection: Wear impermeable gloves (e.g. perbutane, viton, butyl rubber). It is recommended to change gloves regularly and replace them immediately if any signs of wear or damage (tearing, puncture) or changes in appearance (color, flexibility, shape) occur. Wear protective apron or protective suit made of coated, oil-resistant, anti-slippery shoes.

Respiratory protection: In case of exceeding the acceptable limits or inadequate ventilation use the approved respirator equipped with a suitable filter or filter-absorber.

Thermal hazards: Not applicable

General Health and Safety measures: Do not eat, smoke or drink where material is handled, processed or stored. Wash hands carefully before eating or smoking. Handle according to established industrial hygiene and safety practices.

Environmental exposure controls: Consider using precautionary measures in order to protect the area around storage tanks. Handle in accordance with good industrial hygiene and safety practice. Maintain levels below Community environmental protection thresholds.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

a) Appearance : Thin liquid, various colors
b) Odor : alcohol
c) Odor threshold : No data available
d) pH : Not applicable
e) Melting point : Not applicable
Freezing point: < 0° C
f) Initial boiling point: 77.8 Deg.C (172 Deg.F)
Boiling range: 77.8 – 100 Deg.C (172 – 212 Deg.F)
g) Flash point : > 11.7 Deg.C (53 Deg.F)
h) Evaporation rate : No data available
i) Flammability: Highly Flammable Liquid
j) Upper/lower flammability limit or explosive limits: No data available
k) Vapor pressure : No data available
l) Vapor density : No data available
m) Relative density : 0.83 – 0.86 g/cm_3 at 15˚C
n) Solubility : Soluble in water, alcohol
o) Partition coefficient n-octanol/ water : No data available
p) Auto-ignition point : No data available
q) Decomposition temperature : No data available
r) Viscosity : Not available
s) Explosive properties : Not available
t) Oxidizing properties : Not available
u) TOTAL VOC: 4.90 Lbs/Gal

9.2. Other information

No data available

SECTION 10. STABILITY AND REACTIVITY

10.1. Reactivity

No dangerous reaction known under conditions of normal use

10.2. Chemical stability

The mixture is stable under normal storage conditions.

10.3. Possibility of hazardous reactions

No dangerous reaction known under conditions of normal use

10.4. Conditions to avoid:
High temperature, incompatible materials.

10.5. Incompatible materials
Strong oxidizers

10.6. Hazardous decomposition products
May include and are not limited to: oxides of carbon, fumes, smoke and asphyxiants.

SECTION 11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Likely routes of exposure: Eye, skin, ingestion

Acute health effects:

Eye: Causes severe eye irritation. Symptoms may include discomfort, redness, excess blinking and tear production with marked redness and swelling of the conjunctiva.

Skin: Causes skin irritation. Symptoms may include redness, drying, defatting and cracking of the skin.

Inhalation: May cause respiratory tract irritation.

Ingestion: May cause stomach distress, nausea or vomiting.

Acute toxicity:

Ingredient	LD 50	LC 50
2-(2-ethoxyethoxy) ethanol	Oral: 10,502 mg/kg rat Dermal: 9,143 mg/kg rabbit	Inhalation: 4 h > 50 mg/L rat
Ethanol	Oral: 7060 mg/kg rat	Inhalation: 124.7 mg/L 4 H, rat
Isopropanol	Oral: 4396 mg/kg rat Dermal: 12800 mg/kg rat	Inhalation: 72.6 mg/L 4 H, rat
Oleic Acid	Oral: > 25000 mg/kg rat	No data available
CI Solvent Black 7	No data available	No data available
CI Basic Red 22	No data available	No data available
CI Basic Orange 2	No data available	No data available
CI Basic Blue 9	No data available	No data available
CI Basic Yellow 87	No data available	No data available
CI Basic green 4	Oral: 275 mg/kg (rat)	No data available
CI Basic Blue 26	No data available	No data available
Methyl Violet	Oral: 413 mg/kg (rat)	No data available
Basic Black (azo & triphenyl methane dyes)	No data available	No data available

Upto 4 % of the mixture consists of ingredient (s) of unknown toxicity

Skin corrosion/irritation:
Classification criteria have not been met based on the available data.

Serious eye damage/irritation:
Causes eye irritation

Respiratory or skin sensitization:
Classification criteria have not been met based on the available data.

Germ cell mutagenicity:
Classification criteria have not been met based on the available data.

Carcinogenicity: This product is not classified as carcinogen.

Reproductive toxicity:
Developmental: This product does not contain known reproductive or developmental toxins.
STOT – single exposure:
Classification criteria have not been met based on the available data.

STOT – repeated exposure:
Classification criteria have not been met based on the available data.

Aspiration hazard:
Classification criteria have not been met based on the available data.

SECTION 12. ECOLOGICAL INFORMATION

12.1. Toxicity:

Acute/Chronic toxicity: Not considered to be harmful to aquatic life

Ingredient	Aquatic toxicity
2-(2-ethoxyethoxy) ethanol	96 h LC-50 bluegill sunfish > 10000 mg/L 96 h LC-50 tidewater silverside > 10000 mg/L 24 h LC-50 goldfish > 5000 mg/l
Oleic Acid	96 h LC 50 Pimephalis propmelas: 205 mg/L (static)
Ethanol	96 h LC50 Pimephales promelas: > 100 mg/L (static) 24 h EC50 Daphnia magna: 10800 mg/L
Isopropanol	96 h LC50 Desmodesmus subspicatus: > 1000 mg/L 48 h EC50 Daphnia magna: 1:3299 mg/L
CI Solvent Black	No data available
CI Basic Red 22	No data available
CI Basic Orange 2	No data available
CI Basic Blue 9	No data available
CI Basic yellow 87	No data available
CI Basic Green 4	No data available
CI Basic Blue 26	No data available
Methyl Violet	No data available
Basic Black (azo & triphenyl methane dyes)	No data available

Contains upto 5% of components with unknown hazard to the aquatic life.

12.2. Persistence and degradability
Not available

12.3. Bioaccumulative potential
Not available

12.4. Mobility in soil
Not available

12.5. Results of PBT and vPvB assessment

PBT results: A PBT assessment has not yet been carried out under REACH for the constituents.

However, there are no indications that this product contains substances likely to be classified as PBT.

vPvB results: A vPvB assessment has not yet been carried out under REACH for the constituents. However, there are no indications that this product contains substances likely to be classified as vPvB.

12.6. Other adverse effects

Not available

SECTION 13. Disposal considerations

13.1. Waste treatment methods

Disposal method: This material must be disposed of in accordance with all local, state, provincial and federal regulations. The generation of waste should be avoided and minimized wherever possible.

Other disposal recommendations: Not available

SECTION 14. TRANSPORT INFORMATION

US DOT: UN 1987 alcohols n.o.s. solution (ethanol/isopropanol)
(exception 173.150 may apply

TDG: UN 1987 alcohols n.o.s. solution (ethanol/isopropanol)

14.1. UN number: UN 1987

14.2. UN Proper shipping name: alcohols n.o.s. solution (ethanol/isopropanol)

14.3. Transport hazard class(es): 3

14.4. Packing group: II

14.5. Environmental hazards: Not available

14.6. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code:
Do not handle until all safety precautions have been read and understood.

14.7. Special precautions for users Do not handle until safety precautions have been read and understood.

SECTION 15. REGULATORY INFORMATION

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

This Safety Data Sheet classification and labeling have been determined according to Regulations: (EC) No. 1907/2006(REACH), 1272/2008(CLP) and OSHA final rule 77 Fed.Reg.17574.

Canada: This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by Controlled Products Regulations.

TSCA (USA): In compliance
SARA Title III (USA)
Section 302 EHS TPQ (Lbs): None listed
Section 304 RQ (Lbs): None listed
Section 313: Isopropanol
CERCLA RQ (Lbs): None listed

California Proposition 65:

This product contains a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.

NFPA:
Health: 2
Fire: 3
Reactivity: 0

HMIS: Health: 2
Fire: 3
Reactivity: 0

Global Inventories:
USA TSCA: Listed
Canada DSL/NDSL: Listed except CI Solvent Black 27

15.2: Chemical safety assessment

A chemical safety assessment has not been carried out for this product.

SECTION 16. OTHER INFORMATION

Date of preparation: September 11, 2014
Version: 1.0
Revision date: September 11, 2014
Revised changes:

Classification for the mixtures were derived using GHS Classification criteria

Classification	Classification procedure
Flammable Liquid 2 (Flam. Liq. 2)	On the basis of data
Severe Eye Irritant 2 (Eye irrit. 2)	Concentration limit
Skin irritation 2 (Skin irrit. 2)	Concentration limit

Relevant H and P phrases:

H225 Highly flammable Liquid and Vapour
H315 Causes kin irritation
H319 Causes serious eye irritation
H302 Harmful if swallowed
H312 Harmful in contact with skin
H332 Harmful if inhaled
H336 May cause drowsiness or dizziness

P101 If medical advice is needed, have product container or label at hand
P102: Keep out of reach of children
P210: Keep away from heat/sparks/open flames/hot surfaces. – No smoking

P303 + P361 + P353: IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.
P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P403 + P235: Store in a well-ventilated place. Keep cool.
P501 Dispose of contents and containers in accordance with all local, regional, national and international regulations.

Abbreviations and acronyms in the Safety Data Sheet

CAS No. Chemical Abstracts Service Number
EINECS No. European Commission Number
REACH No. Registration, Evaluation, Authorization and Restriction of Chemicals Number
TLV-TWA Threshold Limit Value
TLV-STEL Threshold Limit Value, Short Term Exposure Limit
TLV-C Ceiling exposure limit
vPvB very Persistent, very Bioaccumulative (substance)
PBT Persistent, bioaccumulative, and toxic (substance)
LD_{50} Dose that will kill 50% of the test animals

LC_{50} Concentration that will kill 50% of the test animals
STOT Specific Target Organ Toxicity
RID Regulations Concerning the International Carriage of Dangerous Goods by Rail
ADR Agreement on Dangerous Goods by Road
IMDG International Maritime Transport of Dangerous Goods
IATA International Air Transport Association

The list of applicable phrases or precautionary statements not specified in whole in sections 2-15 of the Safety Data Sheet.
None.

Advice on training for employees:
Employees who use the product should be trained on risks for health, hygiene, use of individual protection, accident preventive actions, rescue actions, etc.

Disclaimer: This MSDS is not a quality certificate for the product. All data presented in this sheet are to be taken only as a help in safe handling in transport, distribution, use and storage. Persons handling the product should be informed about risks and precautionary measures. Information in the Safety Data Sheet relates to the above mentioned products and their specified uses only. They may be obsolete or insufficient for this product used in conjunction with other materials or in different applications than those specified in the Safety Data Sheet. The user is obliged to follow all applicable standards and regulations and is also responsible for inappropriate use of information contained in this sheet or for an inappropriate use of the product. In the case of special applications evaluate exposure and develop the appropriate procedure and training programs in order to ensure safety at work.