

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH)
with its amendment Regulation (EU) 2015/830

Date of issue : 14.04.2022

SDS NO : **115.03**

SAVANOL F-1

Revision Date : 04.10.2022

1) IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product Name : SAVANOL F-1

1.2. Relevant identified uses of the substance or mixture and uses advised against

Usage : Leather processing product

1.3. Details of the supplier of the safety data sheet

KDK KİMYA DERİ GIDA İNŞ.SAN.TİC.LTD.ŞTİ
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TUZLA/ İSTANBUL
Tel: +90 216 394 00 54
info@kdkkimya.com - www.kdkkimya.com

1.4. Emergency telephone number: No additional information available

2) HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

The product is classified as hazardous pursuant to the provisions set forth in (EC) Regulation 1272/2008 (CLP) (and subsequent amendments and supplements). The product thus requires a safety datasheet that complies with the provisions of (EU) Regulation 2020/878.

Any additional information concerning the risks for health and/or the environment are given in sections 11 and 12 of this sheet.

Hazard classification and indication:

Physicochemical	Not classified
Health	H318 - Eye Dam. 1 H315 - Skin Irrit. 2
Environmental	H412 - Aquatic Chronic 3

2.2. Label elements

H Hazard labelling pursuant to EC Regulation 1272/2008 (CLP) and subsequent amendments and supplements.

Hazard pictograms:



GHS 05

Signal words: DANGER

Hazard statements:

- H318** Causes serious eye damage.
H315 Causes skin irritation.
H412 Harmful to aquatic life with long lasting effects.

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Precautionary statements:

P264	Wash hands thoroughly after handling.
P273	Avoid release to the environment.
P280	Wear protective gloves / eye protection / face protection.
P302+P352	
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310	Immediately call a POISON CENTER / doctor
P321	Specific treatment (see on this label).
P362	Take off contaminated clothing.
P332+P313	If skin irritation occurs: Get medical advice/attention.
P501	Dispose of contents/container to domestic and international regulations.

Contains: Alcohols, C12-14, ethoxylated, sulfates, sodium salts

2.3. Other hazards

Information not available

3) COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product Identifier	%	1272/2008 (CLP)
Alcohols, C12-14, ethoxylated, sulfates, sodium salts	CAS No: 68891-38-3 EC No: 500-234-8	25-40 %	H318 - Eye Dam. 1 H315 - Skin Irrit. 2 H412 - Aquatic Chronic 3

Full text of H-statements: see section 16

4) FIRST AID MEASURES

4.1. Description of first aid measures

Eyes: Remove contact lenses, if present. Wash immediately with plenty of water for at least 15 minutes, opening the eyelids fully. If problem persists, seek medical advice.

Skin: Remove contaminated clothing. Rinse skin with a shower immediately. Wash contaminated clothing before using it again.

Inhalation: Remove to open air. If the subject stops breathing, administer artificial respiration. Get medical advice/attention immediately.

Ingestion: Get medical advice/attention immediately. Do not induce vomiting. Do not administer anything not explicitly authorised by a doctor.

4.2. Most important symptoms and effects, both acute and delayed

Specific information on symptoms and effects caused by the product are unknown.

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

Information not available

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5) FIREFIGHTING MEASURES**5.1. Extinguishing media**

Suitable Extinguishing Equipment: The extinguishing equipment should be of the conventional kind: carbon dioxide, foam, powder and water spray.

Unsuitable Extinguishing Equipment: None in particular.

5.2. Special hazards arising from the substance or mixture

Hazards Caused by Exposure in The Event of Fire: Do not breathe combustion products.

5.3. Advice for firefighters

General Information

Use jets of water to cool the containers to prevent product decomposition and the development of substances potentially hazardous for health. Always wear full fire prevention gear. Collect extinguishing water to prevent it from draining into the sewer system. Dispose of contaminated water used for extinction and the remains of the fire according to applicable regulations.

Special Protective Equipment for Fire-Fighters

Normal fire fighting clothing i.e. fire kit (BS EN 469), gloves (BS EN 659) and boots (HO specification A29 and A30) in combination with self-contained open circuit positive pressure compressed air breathing apparatus (BS EN 137).

6) ACCIDENTAL RELEASE MEASURES**6.1. Personal precautions, protective equipment and emergency procedures**

If there are no contraindications, spray powder with water to prevent the formation of dust.

Wear suitable protective equipment (including personal protective equipment referred to under Section 8 of the safety data sheet) to prevent any contamination of skin, eyes and personal clothing. These indications apply for both processing staff and those involved in emergency procedures.

6.2. Environmental precautions

The product must not penetrate into the sewer system or come into contact with surface water or ground water.

6.3. Methods and material for containment and cleaning up

Collect the leaked product and place it in containers for recovery or disposal. If there are no contraindications, use jets of water to eliminate product residues.

Make sure the leakage site is well aired. Evaluate the compatibility of the container to be used, by checking section 10.

Contaminated material should be disposed of in compliance with the provisions set forth in point 13.

6.4. Reference to other sections

Any information on personal protection and disposal is given in sections 8 and 13.

7) HANDLING AND STORAGE**7.1. Precautions for safe handling**

The product must not penetrate into the sewer system or come into contact with surface water or ground water.

7.2. Conditions for safe storage, including any incompatibilities

Store only in the original container. Store the containers sealed, in a well ventilated place, away from direct sunlight. Keep containers away from any incompatible materials, see section 10 for details.

7.3. Specific end use(s)

The shelf life of the product is at least one year when stored in the original sealed container at 15-35°C.

In the pH decrease, the material is quite safe to use as long as the pH >5.5.

After the barrel is opened and used, close it hermetically and use it within a week.

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If the product becomes viscous due to cold conditions, it is recommended to use ISO containers / tankers / flex bags by heating with water at a temperature of 55-60 °C for two hours to make it more fluid.

Do not apply steam directly. If product is frozen in IBC / HMHDPE drums, keep at 40°C in the warm zone.

Stacking should be 1+1 barrels.

8) EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Information not available

8.2. Exposure controls

As the use of adequate technical equipment must always take priority over personal protective equipment, make sure that the workplace is well aired through effective local aspiration.

When choosing personal protective equipment, ask your chemical substance supplier for advice.

Personal protective equipment must be CE marked, showing that it complies with applicable standards.

Provide an emergency shower with face and eye wash station.

Hand Protection

In the case of prolonged contact with the product, protect the hands with penetration-resistant work gloves (see standard EN 374).

Work glove material must be chosen according to the use process and the products that may form. Latex gloves may cause sensitivity reactions.

Skin Protection

Wear category II professional long-sleeved overalls and safety footwear (see Regulation 2016/425 and standard EN ISO 20344).

Wash body with soap and water after removing protective clothing.

Eye Protection

Wear airtight protective goggles (see standard EN 166).

Respiratory Protection

None required, unless indicated otherwise in the chemical risk assessment.

Environmental Exposure Controls

The emissions generated by manufacturing processes, including those generated by ventilation equipment, should be checked to ensure compliance with environmental standards.

Product residues must not be indiscriminately disposed of with waste water or by dumping in waterways.

9) PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance	Liquid
Colour	transparent white
Odour	Odorless
Odour threshold	Not available
pH (1% aq. Solution)	4,8 ± 0,5
Melting point / freezing point	Not available

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Initial boiling point	Not available
Boiling range	Not available
Flash point	Not available
Evaporation rate	Not available
Flammability	Not available
Vapour pressure	Not available
Vapour density	Not available
Relative Density	Not available
Solubility	Not available
Partition coefficient: n-octanol/water	Not available
Auto-ignition temperature	Not available
Decomposition temperature	Not available
Viscosity, Dynamic	Not available
Explosive properties	Not available
Oxidising properties	Not available

9.2. Other information

Information not available

10) STABILITY AND REACTIVITY

10.1. Reactivity

There are no particular risks of reaction with other substances in normal conditions of use.

10.2. Chemical stability

The product is stable in normal conditions of use and storage.

10.3. Possibility of hazardous reactions

No hazardous reactions are foreseeable in normal conditions of use and storage.

10.4. Conditions to avoid

None in particular. However the usual precautions used for chemical products should be respected.

10.5. Incompatible materials

Do not expose to strong acids.

10.6. Hazardous decomposition products

No decomposition if stored and handled as specified.

Fire creates: Carbon monoxide (CO). Carbon dioxide (CO₂).

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11) TOXICOLOGICAL INFORMATION

In the absence of experimental data for the product itself, health hazards are evaluated according to the properties of the substances it contains, using the criteria specified in the applicable regulation for classification.

It is therefore necessary to take into account the concentration of the individual hazardous substances indicated in section 3, to evaluate the toxicological effects of exposure to the product.

11.1. Information on toxicological effects

Metabolism, toxicokinetics, mechanism of action and other information

Information not available

Information on likely routes of exposure

Information not available

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

Information not available

Interactive effects

Information not available

Acute Toxicity

Alcohols, C12-14, ethoxylated, sulfates, sodium salts		
ATE (Inhalation)	Not classified	
ATE (Oral)	4100 mg/kg (rat)	Method: (OECD Guide 401)
ATE (Dermal)	>2000 mg/kg (rat)	Method: (OECD Guide 402)

Skin Corrosion / Irritation

Causes skin irritation

Serious Eye Damage / Irritation

Causes serious eye damage

Respiratory or Skin Sensitisation

Does not meet the classification criteria for this hazard class

Respiratory Sensitization

Information not available

Skin Sensitization

Information not available

Germ Cell Mutagenicity

Does not meet the classification criteria for this hazard class

Carcinogenicity

Does not meet the classification criteria for this hazard class

Reproductive Toxicity

Does not meet the classification criteria for this hazard class

Effects On or Via Lactation

Information not available

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STOT - Single Exposure

Does not meet the classification criteria for this hazard class

Target Organs

Information not available

Route of Exposure

Information not available

STOT - Repeated Exposure

Does not meet the classification criteria for this hazard class

Target Organs

Information not available

Route of Exposure

Information not available

Aspiration Hazard

Does not meet the classification criteria for this hazard class

12) ECOLOGICAL INFORMATION

This product is dangerous for the environment and the aquatic organisms. In the long term, it has negative effects on aquatic environment.

12.1. Toxicity

Alcohols, C12-14, ethoxylated, sulfates, sodium salts

Short term toxicity to fish:

LC50 (96 h)	7.1 mg/l, Brachydanio rerio
(OECD Guide 203)	

Long term toxicity to fish:

NOEC	1.2 mg/l
(QSAR model)	

Short term toxicity to aquatic invertebrates:

EC50 (48 h)	7.4 mg / l, Daphnia magna
(OECD Guide 202)	

Toxicity to underwater algae:

EC50 (72 h)	27.7 mg/l, Desmodesmus subspicatus
NOEC (72 h)	0.95 mg/l, Desmodesmus subspicatus
(OECD Guide 201)	

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12.2. Persistence and degradability

Information not available

12.3. Bioaccumulative potential

Information not available

12.4. Mobility in soil

Information not available

12.5. Results of PBT and vPvB assessment

The product does not contain any PBT or vPvB

12.6. Other adverse effects

Information not available

13) DISPOSAL CONSIDERATIONS

Reuse, when possible. Product residues should be considered special hazardous waste. The hazard level of waste containing this product should be evaluated according to applicable regulations.

Disposal must be performed through an authorised waste management firm, in compliance with national and local regulations.

Contaminated Packaging

Contaminated packaging must be recovered or disposed of in compliance with national waste management regulations.

14) TRANSPORT INFORMATION

In accordance with ADR / RID / IMDG / IATA / ADN instructions

	Land transport ADR/RID	Marine transport IMDG	Air transport IATA-DGR
14.1 UN-No	The product is not classified as a dangerous good according to the regulations, regarding its transportation.		
14.2 Description of the goods	Not applicable	Not applicable	Not applicable
14.3 Transport hazard class(es)	Not applicable	Not applicable	Not applicable
14.4 Packaging group	Not applicable	Not applicable	Not applicable
14.5 Environmental hazards	Dangerous for the environment: No	Dangerous for the environment: No Marine pollutant: No	Dangerous for the environment: No

14.6 Special precautions for user

No data available

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

Not applicable

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15) REGULATORY INFORMATION

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

This Safety Data Sheet is prepared according to Commission Regulation (EU) 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

Seveso Category - Directive 2012/18/EC

Restrictions relating to the product or contained substances pursuant to Annex XVII to EC Regulation 1907/2006

Substances subject to authorisation (Annex XIV REACH)

Substances subject to exportation reporting pursuant to (EC) Reg. 649/2012

Healthcare control
Information not available

15.2. Chemical safety assessment

A chemical safety assessment has not been performed for the preparation/for the substances indicated in section 3.

16) OTHER INFORMATION

Abbreviations and acronyms:

ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE	Acute Toxicity Estimate
BCF	Bioconcentration factor
DMEL	Derived Minimal Effect level
DNEL	Derived-No Effect Level
EC50	Median effective concentration
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
LC50	Median lethal concentration
LD50	Median lethal dose
LOAEL	Lowest Observed Adverse Effect Level
NOAEC	No-Observed Adverse Effect Concentration
NOAEL	No-Observed Adverse Effect Level
NOEC	No-Observed Effect Concentration
OECD	Organisation for Economic Co-operation and Development
PBT	Persistent Bioaccumulative Toxic
PNEC	Predicted No-Effect Concentration
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
SDS	Safety Data Sheet
STP	Sewage treatment plant
TLM	Median Tolerance Limit
vPvB	Very Persistent and Very Bioaccumulative



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Data sources: (EC) Regulation 1272/2008 (CLP). ECHA (European Chemicals Agency). Supplier's safety documents.

Full text of H-statements	
H318- Eye Dam. 1	Causes serious eye damage.
H315- Skin Irrit. 2	Causes skin irritation.
H412- Aquatic Chronic 3	Harmful to aquatic life with long lasting effects.

Revision Information	
Revision No:	01
Revision Date:	29.08.2022
Explanation:	<i>Upon the declaration of the manufacturer, the percentage rate of the substance in Section-3 has been changed.</i>
Revision No:	02
Revision Date:	04.10.2022
Explanation:	<i>Upon the declaration of the manufacturer, the usage area information in Section-1.2 has been revised.</i>

The information provided in this Safety Data Sheet is correct to the best of our knowledge, Information and belief at the date of its publication.

The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification.

The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text. It is the responsibility of persons in receipt of this Product Safety Data Sheet to ensure that the information contained herein is properly read and understood by all people who may use, handle, dispose or in any way come in contact with the product. If the recipient subsequently produces a formulation containing the product, it is the recipient's sole responsibility to ensure the transfer of all relevant information from the Product Safety Data Sheet to their own Product Safety Data Sheet.

All information and instructions provided in this Safety Data Sheet (SDS) are based on the current state of scientific and technical knowledge at the date indicated on the present SDS. As stated above, this Safety Data Sheet has been prepared in compliance with applicable European law. If you purchase this material outside Europe, where compliance laws may differ, you should receive from your local supplier a SDS applicable to the country in which the product is sold and intended to be used. Please note that the appearance and content of the SDS may vary –even for the same product between different countries, reflecting the different compliance requirements.