



SAFETY DATA SHEET

The SDS Prepared According To Regulation of the T.C. Ministry of Environment and Urbanization , KKDIK, Annex-2 (23.June.2017 / 30105)

NAME OF MIXTURE: JOKER GOLD

Release Date:21.09.2024

Revision Date :00

Revision No :00

FORM NO: JG.01

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

1.1. Identification of the substance / Mixture

Product Description: **JOKER GOLD**

Product Code : 01

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

Industrial, professional and consumer use

1.3. Details of the supplier of the Safety Data Sheet

Manufacturer Company : JOKER GLINT GLOBAL KİMYEVİ MADDELER SAN. TİC. LTD. ŞTİ

Address: Egemenlik Mah. 6016/10 Sokak S.S. Geri Kaz. Koop. Sit. No:2/1 Bornova /İZMİR

Phone: +90 0232 064 68 01

Authorized person responsible for SDS: nurhandogan83@gmail.com

1.4. Emergency telephone numbers

Ministry of Health UZEM phone number: In case of poisoning, call the National Poison Information Center (UZEM) at 114, in case of fire, call 110 or the emergency health services at 112.

Emergency telephone number: 0232 064 68 01

2. HAZARD IDENTIFICATION

2.1. Classification of the Substance or Mixture

Classification of the Substances or Mixtures Classification according to the regulation on SEA regarding Substances and Mixtures (OJ 10.12.2020 No. 31330 reiterated)

Physical and chemical hazards:

Not relevant.

Health Hazards:

Not relevant.

Environmental Hazards:

Not relevant.

2.2. Label Elements

Hazard Pictograms:

Not relevant.

Signal word:

Not relevant.

Hazard Statements:

Physical Hazards	Health Hazards	Environmental Hazards
Not relevant.	Not relevant.	Not relevant.

Additional Hazard Statements :

Not relevant.



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Precautionary Statements:

Precaution	P264: Wash thoroughly with plenty of water after handling.
Response	P305 + P351 + P338: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.

2.3.Other Hazards: There is no information regarding PBT or vPvB.

3. COMPOSITION / INFORMATION ON INGREDIENTS

3.2.1.Mixtures

Substances/ Components	Weight %(w/w)	CAS No	EINCES NO	Classification SEA(CPL)
Alkyl polyglycoside	<% 2,5	-	-	Eye Irr. Cat.1;H318 Acute Aquatic Cat 3;H402
Sodium metasilicate	<% 2,5	6834-92-0	229-912-9	Skin Acid K1B; H314 STOT Single Exp. K3; H335
Ethylenediamine tetraacetic acid	<% 2,5	60-00-4	-	Skin Irritation C2; H315 Acute Toxic C4(ingestion);H302 Eye Irritation C2;H319 STOT Single Exp. C3;H335
Sodium tripolyphosphate	<% 2,5	7758-29-4	-	Not classified.
Deionized water	>%90	7732-18-5	-	Not classified.

4. FIRST AID MEASURES

As a general rule, consult a doctor when an unexpected situation is encountered or symptoms persist. Never try to make an unconscious person vomit.

4.1. Description of First Aid Measures

4.1.1. Inhalation

No symptoms are expected to be observed

4.1.2.Eye Contact:

If you are wearing contact lenses, check and remove them. In case of eye contact, rinse thoroughly with plenty of water, occasionally lifting the upper and lower eyelids, for at least 15 minutes, and seek medical attention immediately

4.1.3.Skin Contact:

If skin contact occurs, wash thoroughly with plenty of water. If irritation persists, seek medical attention.

4.1.4.Ingestion:

Do not induce vomiting. If the person is unconscious, do not give anything by mouth. Check for breathing and pulse. If the person is not breathing, administer artificial respiration by trained personnel. If there is no pulse, perform CPR by trained personnel. Seek medical attention immediately.

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

4.2.1.Inhalation

Move the person to fresh air.

4.2.2.Skin Contact

Prolonged contact may cause irritation.



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4.2.3.Eye Contact

May cause irritation.

4.2.4.Ingestion

May cause adverse health effects. May lead to nausea, vomiting, etc.

4.2.5. Long-Term Effects

Prolonged exposure may cause eye irritation.

4.3. Indication of any immediate medical attention and treatment needed

Provide psychological support and act according to the symptoms.

5. FIREFIGHTING MEASURES

5.1. Extinguishing media

Use foam, dry powder, or carbon dioxide fire extinguishers. After the fire is extinguished, cool the containers with water. In case of large fires, notify the fire department. Always ensure an escape route is maintained during fires

5.2. Special hazards arising from the substance or mixture

Do not allow it to mix with any chemicals. It is not flammable

5.3. Advise for firefighters

When fighting the fire, use a full-face self-contained breathing apparatus and appropriate protective clothing. Firefighters should avoid inhaling any combustion products. Water should not be used if possible. Exothermic reactions with acids can release heat and smoke. If containers are under pressure, they may explode when heated. Avoid contact with skin.

6. ACCIDENTAL RELEASE MEASURES (Avoid contact with skin and eyes.)

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1 For Non – Emergency Personnel

Wear adequate protective clothing. Prevent contact with the substance. Do not inhale the vapors. Ensure proper ventilation in enclosed spaces. Consult an expert for emergency procedures. Avoid contact with eyes

6.1.2 For Emergency Responders

Use the personal protective clothing, gloves, and face and eye protection equipment as specified in Section 8. Evacuate the danger area and prevent unnecessary and unprotected individuals from entering the area. Move personnel to a safe zone. Avoid contact with skin and eyes.

6.2. Environmental Precautions

Prevent it from entering drains, surface water, and groundwater. If it contaminates water or the sewage system, notify the appropriate authorities. Restrict access to the area until the cleanup is complete. If there is a fire, extinguish it or remove all ignition sources and ventilate the area.

6.3. Methods and material for containment and cleaning up

Wash small spills with plenty of water. Absorb large spills with a liquid-retaining inert material (such as dry sand or soil) and place in chemical waste containers. Dispose of in accordance with local/regional regulations. Ensure proper ventilation

6.4. References to other sections

See Section 13.

7. HANDLING AND STORAGE

7.1. Precautions for safe handling

Follow the warnings on the label and observe industrial safety precautions. Keep away from oxidizing



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agents and acids. Use protective clothing when there is a risk of exposure. Wash your hands thoroughly with plenty of water and soap after handling. Avoid contact with eyes

7.1.1. General Recommendations for Handling

Wear chemical safety goggles. Use rubber or PVC gloves and protective clothing. Ensure proper ventilation. Avoid direct contact of the substance with skin and eyes during handling.

7.1.2. Warnings Regarding Incompatibilities of Substances or Mixtures

No information.

7.1.3. Environmental Recommendations

Prevent it from entering the sewage system and water sources. If contamination occurs, notify the appropriate authorities.

7.2. Conditions for safe storage, including any incompatibilities

Keep away from food, beverages, and animal feed. Do not open containers with built-up pressure. Store in a cool, dry, and well-ventilated area. Protect from heat and direct sunlight by storing in well-sealed containers. The flooring should be impermeable to the product, and in case of accidental spillage, ensure the product is contained and collected in a designated area via the drainage system. The storage area should be far from animal feeding zones.

7.3. Specific end use(s)

No data available.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1. Control parameters

Exposure limits/standards

Provide ventilation where appropriate. Ensure safety showers are available in case of skin or eye contact.

8.2. Exposure Controls

8.2.1. Appropriate Engineering Controls

No data available.

8.2.2. Individual protection measures

General protection and hygiene measures

Do not eat, drink, or smoke in areas where the material is handled. Keep away from food, beverages, and feedstuffs. Remove any contaminated clothing immediately. Avoid contact with eyes and skin. Safety showers and eye wash stations must be readily available.

8.2.2.1. Eye-Face Protection:

Use appropriate protective goggles where splashing is likely, such as those conforming to EN 166. Ensure that eye wash stations and emergency safety showers are available in the work area

8.2.2.2. Hand-Skin Protection:

Wear appropriate gloves to prevent contact with the skin

8.2.2.3. Respiratory Protection

If the specified standards are exceeded, use a respirator that complies with OSHA General Industry Standards. If vapors are present, use a full-face respirator. After leaving the work environment, remain in fresh air.

8.2.3. Environmental exposure controls

No data available.



9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

a) Appearance : Colorless Liquid



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b) Odor	: Odorless
c) Odor Threshold	: Not applicable
d) pH	: No data available
e) Melting / Freezing Point	: No data available
f) Starting Boiling Point / Boiling Range	: No data available
g) Flash Point	: No data available
h) Evaporation Rate	: No data available
i) Flammability	: The product is not flammable.
j) Upper/lower flammability or explosive limits	: Not flammable
k) Vapor Pressure	: No data available
l) Vapor Density	: No data available
m) Relative Density	: No data available
n) Solubility	: Completely soluble in water.
o) Partition coefficient:n-octanol water	: No data available
p) Flaming Temperature	: No data available
q) Decomposition Temperature	: No data available
r) Mobility	: No data available
s) Explosive Property	: The product is not explosive.
t) Oxidizing Property	: The product has no oxidizing properties.

9.2. Other information

No data available

10. STABILITY AND REACTIVITY

10.1. Reactivity

It is stable under normal conditions

10.2. Chemical Stability

It is unstable at temperatures above 40°C, in sunlight, and upon contact with acids.

10.3. Possibility of hazardous reactions

No data available.

10.4. Conditions to avoid

Heat, temperature, pressure, humidity, and incompatible materials.

10.5. Materials to avoid

Oxidizing and reducing agents, strong acids (hydrochloric, hydrofluoric, muriatic, phosphoric acid, chromic acid, nitric acid, sulfuric acid, etc.), flammable materials, halogens, metals, alkalis, peroxides, nickel, copper, tin, aluminum, etc.

10.6. Hazardous decomposition products

No data available.

11. TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

11.1.1.Substances

Toxic Limit

Substance	Acute oral toxicity	Acute dermal toxicity	Acute inhalation toxicity
Sodium metasilicate	LD50 > 2000 mg / kg (rat)	-	-
STTP	LD50 :3120 mg / kg Rat	LD50 > 4640mg / kg rabbit	LC50 > 0.39 mg/m3/4h (rat)



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	Conclusion and thoughts
Acute toxic	It is harmful if swallowed.
Skin corrosion/irritation	Causes severe skin burns.
Serious eye damage/irritation	Causes serious eye damage.
Respiratory or skin sensitization	No information.
Germ cell mutagenicity	No information.
Carcinogenicity	No information.
Reproductive toxicity	No information.
Specific target organ toxicity - single exposure	May cause respiratory tract irritation.
Specific target organ toxicity - repeated exposure	No information.
Aspiration hazard	No information.

11.1.2.Mixtures

11.1.2.1

	Conclusion and thoughts
Acute toxic	No information.
Irritation	No information.
Corrosive	No information.
Sensitivity	No information.
Repeated dose toxicity	No information.
Carcinogenicity	This product does not contain any carcinogenic substances according to the International Agency for Research on Cancer (IARC)
Mutagenic	There is no information available regarding the content of substances with mutagenic adverse effects
Reproductive toxicity	There are no findings regarding fertility and developmental effects.
Aspiration	No information.

11.2 Hazard Classification

Not applicable

11.3 Hazard information as the substance is placed on the market

Not applicable

11.4 Information About Test Data

No information

11.5 Additional Information on Classification Criteria

No information.

11.6 Information on Possible Routes of Exposure

If swallowed	May cause sudden burning and pain in the mouth, throat, esophagus, digestive system, and stomach.
Skin Contact	Prolonged contact may result in the removal of the skin's natural oils.
Eye Contact	May cause eye irritation
If inhaled	Any symptoms are not expected to be observed



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Target organs	Eye
Medical Warnings	Wash thoroughly with plenty of clean water in case of contact with eyes or skin. Do not induce vomiting if swallowed. If inhaled, ensure fresh air and apply treatment as indicated.

11.7 Information on Physical, Chemical and Toxicological Properties

The chemical, physical and toxicological properties have not been fully studied.

11.8 Delayed or Immediate Effects as well as Chronic Effects in Short- and Long-Term Exposure

No information

11.9 Interactive Effects

The interaction effects of each substance in the product with each other have not been fully studied.

11.10 Absence of Specific Data

No specific data is available.

11.11 Mixture and Substance Comparison Information

No information

11.12 Other information

No information

11.13 Additional Toxicological Warnings:

Toxicological classification was made based on content information and available information.

12. ECOLOGICAL INFORMATION

12.1. Toxicity

The product is 100% organic and certified vegan.

12.2. Persistence and degradability

No information

12.3. Bioaccumulative potential

No information

12.4. Mobility in soil

Solubility in Water	The product is well soluble in water.
Surface Tension	No information
Water Threat Class	No information about its mobility in the soil and its water threat class.
Effect on Drinking Water	No information about its mobility in soil and its effect on drinking water.

12.5. Results of PBT and vPvB assessment

No information

12.6. Other adverse effects

No information

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

It should not be disposed of with household waste. Do not empty into drains or water channels. It should be stored in an appropriate area and for a period of time according to the legislation.

13.2 Safe Disposal

It must be disposed of in accordance with the legislation. Hand it over to professional licensed waste disposal companies. The disposal of the product and its packaging with household waste should not be permitted. The product and its packaging should not be mixed with sewage systems or groundwater.



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14. TRANSPORT INFORMATION

Necessary precautions must be taken and the rules on the road route must be followed during the transportation of the product,

LAND TRANSPORT-ADR/RID;

It is not classified as a dangerous product, there is no special transportation requirement.

SEA TRANSPORT -IMO/IMDG;

It is not classified as a dangerous product, there is no special transportation requirement.

AIR TRANSPORT -IATA/DGR;

It is not classified as a dangerous product, there is no special transportation requirement.

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

No information.

15. REGULATORY INFORMATION

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

Product; It has been classified and labeled according to the procedures and principles stipulated in the "Regulation on Classification, Labeling and Packaging of Substances and Mixtures" and "EU legislation".

Review the following regulations for legislation or other national measures that may be of interest to enforce the provisions of this safety data sheet.

- Regulation on Safety Data Sheets Regarding Hazardous Substances and Mixtures
- Regulation on Classification, Labeling and Packaging of Substances and Mixtures
- Regulation on Restrictions on the Production, Placing on the Market and Use of Certain Hazardous Substances, Preparations and Goods
- Occupational Health and Safety Regulation
- Regulation on Health and Safety Precautions in Working with Carcinogenic and Mutagen Substances
- Regulation on Health and Safety Measures in Working with Chemical Substances
- Regulation on the Use of Personal Protective Equipment in Workplaces
- Regulation on Manual Handling
- Hazardous Waste Control Regulation
- Regulation Regarding Prevention of Major Industrial Accidents and Reduction of Their Effects

16. OTHER INFORMATIONS

16.1. Regulation

This document has been prepared in accordance with Regulation of the T.C. Ministry of Environment and Urbanization , KKDIK, Annex-2 dated 23 June 2017 and numbered 30105 and has been prepared and approved by accredited expert personnel who have been certified in accordance with the regulation.

16.2. Information of the preparer of the Safety Data Sheet

This SDS has been prepared behalf on JOKER GLINT GLOBAL KİMYEVİ MADDELER SAN. TİC. LTD. ŞTİ.

Preparer: NURHAN KOÇ

Expert Accreditation No: NBC04.49.06



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16.3.Revision Date

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16.4.Revision No

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16.5. Reason for Revision

This SDS was arranged for the first time in accordance with the regulation numbered 30105 and June 23, 2017.

16.6. Explanations of Precautionary Statements (including those in Section 3)

H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H335	May cause respiratory tract irritation.
H402	Toxic in aquatic environments.
P264	Wash hands after use.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if worn. Continue rinsing.

16.7. Explanations on Hazard Classification Methods

Not applicable.

16.8. References/Resources

- Safety Data Sheet(s) prepared by the manufacturer of the raw material.
- “Regulation on Safety Data Sheets for Hazardous Substances and Mixtures” and its annexes.
- “Regulation on Classification, Labeling and Packaging of Substances and Mixtures” and its annexes.
- “Regulation on Health and Safety Precautions in Working with Carcinogenic and Mutagen Substances” and its annexes.
- Other relevant local regulations.
- UN ADR, IMDG, IATA lists, ECHA and relevant EU directives.
- REPUBLIC OF TURKEY MINISTRY OF ENVIRONMENT AND URBANIZATION, KKDIK REGULATION, ANNEX-2
- Other resources.

16.9 Additional Information

This safety data sheet has been prepared based on the information and documentation provided by the product owner. The preparer of the SDS cannot be held responsible for any deficiencies or inaccuracies in this information and documentation, non for any material damages or moral consequences that the product owner may encounter due to errors in the preparation of the SDS. This SDS is supplementary to, but does not replace, the manufacturer's instructions. The above information is provided as health and safety data. It is not legally binding and does not create a contractual relationship. The information in this document pertains to the specific material(s) mentioned herein and unless otherwise stated, does not apply to other materials or materials subjected to any process or modification. The product should be applied as directed on the product label and as described in the product information sheet. The information contained in this form includes the regulatory criteria known at the



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time of SDS preparation. Necessary information has been prepared in accordance with the KKDIK regulation. It is requested that relevant institutions and individuals act in accordance with this regulation. The information regarding the product in this Safety Data Sheet is compiled from what is known about the individual components. The data here is based on current knowledge and experience. This Safety Data Sheet assesses the product from a safety standpoint and does not guarantee the properties of the product. The data here is valid only when the product is used for the appropriate application(s). The product is not sold for use in other applications. Use outside its intended purpose may lead to risks not mentioned in this list. Do not use it for other applications without consulting the manufacturer. Sections marked "No Information" or "No Data" indicate that no definitive information has been obtained from the research.

- SDS: Safety Data Sheet
- OJ: Official Journal
- Within the framework of the "Regulation on Classification, Labeling and Packaging of Substances and Mixtures" dated 10.12.2020 and No: 31330
- CLP: Classification, Labeling, Packaging
- GHS: Global Harmonised System
- Within the framework of the "Regulation on the Preparation and Distribution of Safety Data Sheets for Dangerous Substances and Preparations" dated 26 December 2008 and No. 27092
- 67/548/EEC – European Union substances directive
- EINECS: European Inventory of Existing Commercial Chemical Substances.
- CAS: Chemical Abstracts Service Number (American Chemical Society Division).
- SAE: Regulation on Classification, Packaging and Labeling of Hazardous Substances published in OJ.-26/12/2008-27092
- DSD: Dangerous Substances Directive
- SEA: Regulation on Classification, Labeling and Packaging of Substances and Mixtures published in OJ.-11/12/2013-28848
- NIOSH: The National Institute for Occupational Safety and Health
- TWA: Time weighted Average
- Mg/m³: The amount of substance in milligrams in 1 m³ air at pressure (760 mm mercury pressure) at 20 °C and 101.3 kPa.
- ppm: parts per million
- CEN: Comité Européen de Normalisation
- NTP: National Toxicology Program
- UZEM: National Poison Information Center
- IMO: International Maritime Organization
- IARC: The International Agency for Research on Cancer
- OSHA : Occupational Safety and Health Association
- Ref: MSDS Bromine Tablet, Shanghai Henglijie Co. Limited.
- EWC : European Waste Catalog
- ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road
- RID: Regulations Concerning the International Transport of Dangerous Goods by Rail
- ADN: European Agreement Concerning the International Carriage of Dangerous Goods by Inland Waterways
- IMDG: International Maritime Code for Dangerous Goods
- ICAO: International Civil Aviation Organization
- IATA: International Air Transport Association
- N.O.S: Not Otherwise Specified
- STOT: Specific Target Organ Toxicity
- C: Concentration



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Chemical Engineer- Nurhan KOÇ

Certification No: NBC04.49.06

Certificate Validity Date:05.12.2028

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