

**3-F**

Safety Data Sheet

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

FIRE EXTINGUISHING AND COOLING CHEMICAL

Date of SDS : 15.06.2021

Version No : 1.0

Revision Date : -

SDS No : GBF - 3685

1- IDENTIFICATION OF THE SUBSTANCE AND OF THE COMPANY/UNDERTAKING

1.1- Product Identifier:

Product Name Fire Extinguishing and Cooling Chemical

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

Identified uses Fire Extinguishing and Cooling Chemical

Used advised against No data available

1.3- Details of the supplier of the safety data sheet:

Company 3F Yangın Söndürme Teknolojileri San. ve Tic. Ltd. Şti.

Address Doğu Mah. Vargün Sok. No: 4/A Pendik/İstanbul/Türkiye

Tel/Fax +90 216 390 09 05

E-mail mg.teknoloji@hotmail.com

1.4- Emergency telephone number:

+90 216 390 09 05

2- HAZARDS IDENTIFICATION

2.1- Classification of the substance or mixture:

Classification according to Regulation (EC) No. 1272/2008 [CLP]

This product does not meet the classification criteria according to the Regulation (EC) No. 1272/2008 (CLP).

- Not marked with any hazard signs.

2.2- Label elements (according to EC 1272/2008):

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

This product does not meet the criteria for labelling according to Regulation (EC) No 1272/2008 (CLP).

2.3- Other hazards

This mixture does not contain substances assessed to be vPvB / PBT according to Regulation (EC) No 1907/2006, Annex XIII.

3- COMPOSITION/INFORMATION ON INGREDIENTS

3.1- Substances

Not applicable

3.2- Mixtures

Components:

Chemical Name	EC No.	CAS No.	%	Classification
Aluminum glycerate	-	12182-48-8	> 42	Not Classified
Sucrose	200-334-9	57-50-1	4	Not Classified
Activator	-	-	4	Not Classified
Glycerine	200-289-5	56-81-5	2	Not Classified
Demineralized water	231-791-2	7732-18-5	< 40	Not Classified



Safety Data Sheet

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

3-F FIRE EXTINGUISHING AND COOLING CHEMICAL

Date of SDS : 15.06.2021
Version No : 1.0

Revision Date : -
SDS No : GBF - 3685

Notes: The full text for all H-statements is displayed in section 16.

4- FIRST AID MEASURES

4.1- Description of first aid measures

Eye contact

If the substance has entered the eyes, rinse with plenty of water. Consult your doctor.

Skin contact

Wash the areas where the substance comes into contact with the skin with plenty of water.
If irritation and burning are observed on the skin, consult your doctor immediately.

Inhalation

If inebriation, respiratory irritation, dizziness, nausea or headache are observed, contact your doctor immediately.

Ingestion

Call a poison control center or doctor right away for treatment advice. If the patient can swallow, drink a glass of water slowly. Do not allow the patient to vomit unless instructed otherwise by the poison control center or doctor. Do not make the patient vomit. Do not give anything by mouth to an unconscious patient.

Notes for doctor

Possible mucous damage indicates that the use of gastric juice is not for treatment. It may be necessary to take precautions against circulatory shock, respiratory depression and convulsions. Ingestion of iodine can cause corrosive effects such as asphyxia and aspiration pneumonia, pulmonary edema and shock, vomiting and bloody diarrhea glottis edema. CNS renal toxicity, corrosive gastroenteritis may appear. There may be vomiting.

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

Not known.

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

No specific treatment is recommended. Treat symptomatically.

5- FIRE FIGHTING MEASURES

5.1- Extinguishing Media

Suitable extinguishing media

This product itself is used as a fire extinguisher.

5.2- Special hazards arising from the substance or mixture

The substance may form harmful gases/vapours when burning or heated. Exposure to products that decompose as a result of combustion can be harmful to health.

5.3- Advice for firefighters

Wear personal protective equipment. In case of exposure to fire, wear clothing containing a respirator.

5.4- Other information

Keep the crew away from the smoke and fight the fire with the wind at your back. Cold water should be used from a suitable distance while fighting fire. Since alcohol vapors may also be present among the water vapor that will be released at this time, contact with steam should be avoided. This mixture should not be allowed to come into contact with any igniter. Collect the residual extinguishing materials and waste water used in fire extinguishing in a separate place. Do not allow these wastes to reach the sewer.

**3-F**

Safety Data Sheet

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

FIRE EXTINGUISHING AND COOLING CHEMICAL

Date of SDS : 15.06.2021

Version No : 1.0

Revision Date : -

SDS No : GBF - 3685

6- ACCIDENTAL RELEASE MEASURES

6.1- Personal precautions, protective equipment and emergency procedures

Do not breathe the vapors released after the accident. Wear suitable protective clothing, gloves and eye/face protection. Do not smoke, keep away from fire sources.

6.2- Environmental precautions

Do not allow the product to enter sewers, surface waters and groundwater. If the product has mixed with water sources or sewers, notify the responsible authority. Take precautions in accordance with the regulations.

6.3- Methods and material for containment and cleaning up

To clean the spilled product, the area where the product is spilled is cleaned by treating it with at least the same amount of water. The spilled product is diluted with water and turned into a non-flammable mixture. Ventilate the environment after washing.

6.4- Reference to other sections

For information on safe handling see section 7, for information on personal protection equipment see section 8, for disposal-related information see section 13.

7- HANDLING AND STORAGE

7.1- Precautions for safe handling

Avoid contact with eyes and skin. Keep away from acids.

Wear chemical safety glasses. Wear rubber or PVC gloves and personal protective equipment to handle the substance.

Keep away from any igniter. Take precautions against electrostatic charge.

7.2- Conditions for safe storage, including any incompatibilities

Store tightly closed in a dry, cool and well-ventilated place away from sunlight and combustible materials. Ventilated containers should be used. Keep the storage temperature below 33 °C.

7.3- Specific end use(s)

The identified uses for this product are detailed in Section 1.2.

8- EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1- Control parameters

Contains no substances with occupational exposure limit values.

8.2- Exposure controls

8.2.1- Individual protective measures, such as personal protective equipment:

Evaluation of technical measures should always take precedence over the use of personal protective equipment. Keep away from food and drink. Immediately remove contaminated clothing. Wash your hands thoroughly at the end of work or during breaks.

Respiratory protection:

Generally, no application required, mask can be used if exposed to spray (NIOSH approved).

Protection of hands:

Use protective gloves (PVC or rubber gloves). The selected protection gloves must comply with EN 374 standards.

**3-F**

Safety Data Sheet

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

FIRE EXTINGUISHING AND COOLING CHEMICAL

Date of SDS : 15.06.2021

Version No : 1.0

Revision Date : -

SDS No : GBF - 3685

Eye protection:

Use safety glasses or a face mask that has been tested and approved in accordance with standards such as EN 166 (EU).

Body Protection:

Normally no application required. Wear suitable clothing to prevent possible skin exposure during prolonged contact.

8.2.2- Environmental Exposure Controls

The provisions of existing legislation for the protection of the environment must be fully implemented.

9- PHYSICAL AND CHEMICAL PROPERTIES

9.1- Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: No data available
Odour	: Characteristic
Odour threshold	: No data available
pH Value, @ 20°C	: 2,4
Melting point (°C)	: -14
Boiling point (°C)	: 102,3
Flash point (°C)	: > 250
Evaporation rate	: No data available
Viscosity @ 20°C	: No data available
Density, gr/cm ³ @ 20 °C	: 1,3161
Flammability (solid, gas)	: Not flammable
Upper/lower flammability or explosive limits	: Not applicable
Solubility	: Completely soluble in water.
Partition coefficient: n-octanol/water	: No data available
Auto-ignition temperature (°C)	: No data available
Decomposition temperature (°C)	: No data available
Explosive properties	: No explosive properties.
Oxidising property	: No oxidizing property.

9.2- Other information:

No data available

10- STABILITY AND REACTIVITY

10.1- Reactivity

It is stable under normal usage conditions.

10.2- Chemical stability

There is no decomposition when stored and used according to specifications.

10.3- Possibility of hazardous reactions

No harmful reactions are to be expected when the product is handled and stored properly.



Safety Data Sheet

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

FIRE EXTINGUISHING AND COOLING CHEMICAL

Date of SDS : 15.06.2021
Version No : 1.0

Revision Date : -
SDS No : GBF - 3685

10.4- Conditions to avoid

No data available.

10.5- Incompatible materials

No data available.

10.6- Hazardous decomposition products

During combustion, sulfur oxide may be released.

11- TOXICOLOGICAL INFORMATION

11.1- Information on toxicological effects

Acute toxicity

It is not dangerous at normal usage rates.

Skin corrosion/irritation

It is not dangerous at normal usage rates.

Serious eye damage/irritation

It is not dangerous at normal usage rates.

Respiratory or Skin Sensitization

It is not dangerous at normal usage rates.

Germ cell mutagenicity

It is not dangerous at normal usage rates.

Carcinogenicity

It is not dangerous at normal usage rates.

Reproductive toxicity

It is not dangerous at normal usage rates.

Specific Target Organ Toxicity (Single Exposure)

It is not dangerous at normal usage rates.

Specific Target Organ Toxicity (Repeated Exposure)

It is not dangerous at normal usage rates.

Aspiration Hazard

It is not dangerous at normal usage rates.

12- ECOLOGICAL INFORMATION

12.1- Toxicity

No data available.

12.2- Persistence and degradability

Contains biodegradable excipients.

12.3- Bioaccumulative potential

No data available.

12.4- Mobility in soil

No data available.

12.5- Results of PBT and vPvB assessment



Safety Data Sheet

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

3-F FIRE EXTINGUISHING AND COOLING CHEMICAL

Date of SDS : 15.06.2021
Version No : 1.0

Revision Date : -
SDS No : GBF - 3685

This product does not contain any substances classified as PBT or vPvB.

12.6- Other adverse effects

No data available.

13- DISPOSAL CONSIDERATIONS

13.1- Waste treatment methods

Residual waste

Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

Contaminated packaging

Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

14- TRANSPORT INFORMATION

Product is not classified as dangerous in the meaning of transport regulations (ADR/RID, ADN, IMDG and ICAO/IATA).

14.1-	UN number	Not regulated as dangerous goods.
14.2-	UN proper shipping name	Not regulated as dangerous goods.
14.3-	Transport hazard class(es)	Not regulated as dangerous goods.
14.4-	Packing Group	Not regulated as dangerous goods.
14.5-	Environmental hazard	Not regulated as dangerous goods.
14.6-	Special precautions for user	None
14.7-	Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	No information available

15- REGULATORY INFORMATION

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

- Regulation (EC) No 1907/2006, (REACH),
- Commission Regulation (EU) No 453/2010 amending Regulation (EC) No 1907/2006,
- Regulation (EC) No 1272/2008 (CLP),
- Commission Directive 2006/15/EC,
- Commission Directive 2000/39/EC.
- ADR - European Agreement Concerning the International Carriage of Dangerous Goods by Road

15.2- Chemical safety assessment

A chemical safety assessment has not been performed for this product.

16- OTHER INFORMATION

16.1- List of abbreviations

ADR	European Agreement Concerning the Int. Carriage of Dangerous Goods by Road
CAS No	Chemical Abstract Service Index Number
CLP	Regulation of Classification, Labelling and Packaging of Chemicals



Safety Data Sheet

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

FIRE EXTINGUISHING AND COOLING CHEMICAL

Date of SDS : 15.06.2021
Version No : 1.0

Revision Date : -
SDS No : GBF - 3685

EC No	European Commission Number
GHS	Globally Harmonized System of Classification and Labelling of Chemicals
IATA	International Air Transport Association
ICAO	International Civil Aviation Organization
IMDG	International Maritime Code for Dangerous Goods
LD50	Dosage producing 50% mortality
PBT	Persistent, Bioaccumulative, Toxic
RID	International Rule for Transport of Dangerous Substances by Railway
STEL	Short Term Exposure Limit
TWA	Time Weighted Average
vPvB	Very Persistent, Very Bioaccumulative

16.2- Other Information:

Date Prepared : June 15th, 2021
Version No : 1.0
Revision Date : -
Organized by : Gultekin Baskoylu (License No: 11544-KDU07)

16.3- Training information

In addition to health, safety and environmental training programs for their workers, companies must ensure that workers read, understand and apply the requirements of this SDS.

16.4- Sources of information:

- ECHA and related EU directives,
- UN ADR, IMDG, IATA lists,
- Safety data sheets for raw materials and product components,
- Other helpful resources.

16.5- Disclaimer

This information relates to a specific product and is not available for use in combination with any process or with any other material. Do not use on other application(s) without consulting the manufacturer. Information about the product in this Safety Data Sheet has been compiled from knowledge of the individual components. The data given here is based on current knowledge and experience. This Safety Data Sheet analyzes the product in terms of safety requirements and does not give any guarantee of the properties for the product. Usage of the information remains under the sole responsibility of the user.

Editor's note:

This SDS has been drawn up based on the information and documents received from the product owner company. The preparer of the SDS cannot be held responsible for the erroneous arrangement of the prepared SDS due to incomplete or incorrect information and documents, and for the material and moral damages that the product owner company may encounter due to this reason.