



SAFETY DATA SHEET

According to JIS Z 7253:2019 Revision date 05-Apr-2024 Revision Number 2.03

Section 1: PRODUCT AND COMPANY IDENTIFICATION

Product Name		blast Growth Fa	. , .		iF / FGF1),
		an, recombinant		a-free	
Product Code	067-0	05371,063-0537	3		
Supplier	1-2 Dos Phone:	LM Wako Pure Chem shomachi 3-Chome, +81-6-6203-3741 31-6-6203-2029		-8605, Japan	
Emergency telephone nu		5203-3741 / +81-3-32	270-8571		
Recommended uses		earch use only			
Restrictions on use	Seek e	xpert judgment when	using for purposes	other than those rec	commended.
	Sectio	n 2: HAZARDS	IDENTIFICATI	ON	
GHS classification <u>Classification of the subs</u> Serious eye damage/eye		_		Category 2B	
Pictograms Signal word	Warnin	g			
Hazard statements H320 - Causes eye irrit	ation				
 Precautionary statements Wash face, hands and Precautionary statements IF IN EYES: Rinse carringing If eye irritation persists Precautionary statements Not applicable Precautionary statements Not applicable 	d any exposed skir s-(Response) utiously with water s: Get medical adv s-(Storage)	for several minutes.	C C	ses, if present and o	easy to do. Continue
Others Other hazards	Not ava	ailable			
Sect	ion 3: COMP	OSITION/INFO	RMATION ON I	NGREDIENTS	5
Single Substance or Mixt	ure Mixture	2			
Chemical Name	Weight-%	Molecular weight	ENCS	ISHL No.	CAS RN
Sodium Chloride	<90	58.44	(1)-236	*	7647-14-5

Note on ISHL No.:

Fibroblast Growth Factor

< 10

* in the table means announced chemical substances.

N/A

15,800

N/A

N/A-06-0537-1

Substances Remarks:

The composition considered to be hazardous are listed in the above. The remaining ingredients are not hazardous substances, or exist at below reportable level.

Section 4: FIRST AID MEASURES

Inhalation

Remove to fresh air. If symptoms persist, call a physician.

Skin contact

Wash off immediately with soap and plenty of water. If symptoms persist, call a physician.

Eye contact

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediate medical attention is required.

Ingestion

Rinse mouth. Never give anything by mouth to an unconscious person. Call a physician or poison control center immediately. Do not induce vomiting without medical advice.

Protection of first-aiders

Use personal protective equipment as required.

Section 5: FIRE FIGHTING MEASURES

Suitable extinguishing media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment **Unsuitable extinguishing media**

No information available

Specific hazards arising from the chemical product

Thermal decomposition can lead to release of irritating and toxic gases and vapors.

Special extinguishing method

No information available

Special protective actions for fire-fighters

Use personal protective equipment as required. Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear.

Section 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

For indoor, provide adequate ventilation process until the end of working. Deny unnecessary entry other than the people involved by, for example, using a rope. While working, wear appropriate protective equipments to avoid adhering it on skin, or inhaling the gas. Work from windward, and retract the people downwind.

Environmental precautions

To be careful not discharged to the environment without being properly handled waste water contaminated.

Methods and materials for contaminent and methods and materials for cleaning up

Sweep up and gather scattered particles, and collect it in an empty airtight container.

Recoverly, neutralization

No information available

Secondary disaster prevention measures

Clean contaminated objects and areas thoroughly observing environmental regulations.

Section 7: HANDLING AND STORAGE

Handling

Technical measures

Use with local exhaust ventilation.

Precautions

Do not rough handling containers, such as upsetting, falling, giving a shock, and dragging. Prevent leakage, overflow, and scattering. Not to generate steam and dust in vain. Seal the container after use. After handling, wash hands and face, and then gargle. In places other than those specified, should not be smoking or eating and drinking. Should not be brought contaminated protective equipment and gloves to rest stops. Deny unnecessary entry of non-emergency personnel to the handling area.

Safety handling precautions

Use personal protective equipment as required. Avoid contact with skin, eyes or clothing.

Storage

Safe storage conditions	
Storage conditions	S
Safe packaging material	Р
Incompatible substances	N

Store away from sunlight in cold (-20°C). Keep container tightly closed. Polypropylene No information available

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering controls

In case of indoor workplace, seal the source or use a local exhaust system. Provide the safety shower facility, and handand eye-wash facility. And display their position clearly.

Exposure limits

This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Personal protective equipment Respiratory protection Hand protection

Eye protection

Dust mask (JIS T 8151) chemical protective gloves (JIS T 8116) protective eyeglasses or chemical safety goggles (JIS T 8147) Long-sleeved work clothes

Skin and body protection General hygiene considerations

> Handle in accordance with good industrial hygiene and safety practice. If this product is classified as "Chemical Substances Hazardous to Skin, etc.", use appropriate protective equipment to them.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Form

Color	
Appearance	lyophilisate
Odor	no data available
Melting point/freezing point	no data available
Boiling point, initial boiling point and boiling range	no data available
Flammability	no data available
Evaporation rate:	no data available
Flammability (solid, gas):	no data available
Upper/lower flammability or explosive limits	
Upper:	no data available
Lower:	no data available
Flash point	no data available
Auto-ignition temperature:	no data available
Decomposition temperature:	no data available
рН	no data available
Viscosity (coefficient of viscosity)	no data available
Dynamic viscosity	no data available
Solubilities	water : soluble .
n-Octanol/water partition coefficient:(log Pow)	no data available
Vapour pressure	no data available
Specific Gravity / Relative density	no data available
Vapour density	no data available

Particle characteristics

no data available

Section 10: STABILITY AND REACTIVITY

Stability

 Reactivity
 no data available

 Chemical stability
 Stable under recommended storage conditions.

 Hazardous reactions
 Stable under recommended storage conditions.

 None under normal processing
 Conditions to avoid

 Extremes of temperature and direct sunlight
 Incompatible materials

 No information available
 Hazardous decomposition products

 Carbon monooxide (CO), Carbon dioxide (CO2), Nitrogen oxides (NOx), Phosphorus oxide

Section 11: TOXICOLOGICAL INFORMATION

Acute toxicity

Skin irritation/corrosion Serious eye damage/ irritation Respiratory or skin sensitization Reproductive cell mutagenicity Carcinogenicity

Reproductive toxicity STOT-single exposure STOT-repeated exposure Aspiration hazard no data available

no data available no data available no data available no data available no data available

no data available no data available no data available no data available

Section 12: ECOLOGICAL INFORMATION

Ecotoxicity

Chemical Name	Algae/aquatic plants	Fish	Crustacea
Sodium Chloride	N/A	LC50 : Lepomis macrochirus	EC50 : Daphnia magna
		5560 - 6080 mg/L 96 h	1000 mg/L 48 h
		LC50 : Lepomis macrochirus	EC50 : Daphnia magna
		12946 mg/L 96 h	340.7 - 469.2 mg/L 48 h
		LC50 : Pimephales promelas	C C
		6020 - 7070 mg/L 96 h	
		LC50 : Pimephales promelas	
		7050 mg/L 96 h	
		LC50 : Pimephales promelas	
		6420 - 6700 mg/L 96 h	
		LC50 : Oncorhynchus mykiss	
		4747 - 7824 mg/L 96 h	

Other data

no data available

Persistence and degradability Bioaccumulative potential

No information available No information available

Mobility in soil Hazard to the ozone layer

No information available No information available

Section 13: DISPOSAL CONSIDERATIONS

Waste from residues

Disposal should be in accordance with applicable regional, national and local laws and regulations. Contaminated container and contaminated packaging

Disposal should be in accordance with applicable regional, national and local laws and regulations.

Section 14: TRANSPORT INFORMATION

ADR/RID UN number Proper shipping name: UN classfication Subsidiary hazard class Packing group Marine pollutant	Not regulated - Not applicable
IMDG	Not regulated
UN number	Not regulated
Proper shipping name:	
UN classfication	
Subsidiary hazard class	
Packing group	Net en l'estele
Marine pollutant (Sea) Transport in bulk according to	Not applicable No information available
Annex II of MARPOL 73/78 and	
the IBC Code	
ΙΑΤΑ	Not regulated
UN number	-
Proper shipping name:	
-	
Environmentally Hazardous Substance	Not applicable
UN classfication Subsidiary hazard class Packing group Environmentally Hazardous	Not applicable

Section 15: REGULATORY INFORMATION

Japanese regulations	
Fire Service Act	Not applicable
Poisonous and Deleterious	Not applicable
Substances Control Law	
Industrial Safety and Health Act	t Not applicable
Regulations for the carriage	Not applicable
and storage of dangerous	
goods in ship	
Civil Aeronautics Law	Not applicable
Pollutant Release and Transfer	Not applicable
Register Law	
(2023.4.1-)	
Export Trade Control Order	Not applicable

Section 16: OTHER INFORMATION

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Key literature references and sources for data etc.	NITE: National Institute of Technology and Evaluation (JAPAN) ://www.chem-info.nite.go.jp/chem/chrip/chrip_search/systemTop IATA dangerous Goods Regulations RTECS:Registry of Toxic Effects of Chemical Substances Japan Industrial Safety and Health Association GHS Model SDS Dictionary of Synthetic Oraganic Chemistry , SSOCJ, Koudansha Scientific Co.Ltd. Chemical Dictionary, Kyouritsu Publishing Co., Ltd. etc
Record of SDS revisions	The following contents were revised. Prodauct and company Identification. Composition/information on ingredients. Exposure controls/personal protection. Ecological information.

Disclaimer

This SDS is according to JIS Z 7253: 2019. 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 a guidance for safe handling, 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.

GHS Classification is according to JIS Z 7252:2019. *JIS: Japanese Industrial Standards

End of Safety Data Sheet