

February 9, 2018

		Safety Data Sheet		
1 IDENTIFICATIO	N OF THE SUBSTAN	CE/PREPARATION AND THE COMPANY/UNDERTAKING		
Product nan				
Product code				
Company na		al Inc.		
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Departme				
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2. HAZARDS IDEN	TIFICATION			
GHS classifi	ication			
Classificatio	Classification of the substance or mixture			
PHYSICAI	L HAZARDS	Classification not possible		
HEALTH F	IAZARDS	Classification not possible		
ENVIRON	MENTAL HAZARDS	Classification not possible		
Label eleme	nts			
Pictograms	or hazard symbols	None		
Signal wore	d	No signal word		
Hazard sta	tements	None		
Precaution	ary statements	None		
3. COMPOSITION/J	INFORMATION ON I	NGREDIENTS		
Substance of	r Mixture Substa	ance		
Compound r	name APF			
Percent	$\geq 98\%$	(LC)		
4. FIRST AID MEAS	SURES			
	Skin contact			
		ith plenty of water. If symptoms persist, call a physician.		
•	• If skin stimulates or rash appears, call a physician.			
Eye contact				
	• Rinse thoroughly with plenty of water, also under the eyelids. If symptoms persist, consult a			
	physician.			
	Take off your contact len	s when wash with water.		
Inhalation				
		nediately, give a rest and keep warm covering the body with blanket, and		
	obtain medical attention			
	If feeling bad, call a phys	sician.		
Ingestion				
	Rinse out mouth thoroug			
	If feeling bad, call a physical	sician.		
Protection of		1 / /· · / 1 11 1 1····		
5. FIRE-FIGHTING		ersonal protective equipment, such as rubber gloves and airtight goggles.		
	inguishing media	Water spray, Alcohol resistance, Powder, Carbon dioxide		
	dangerous hazards	Thermal decomposition can lead to release of irritating and toxic gases		
	0	and vapors.		
Extinguishi	ng method	Fire-extinguishing work is done from the windward and the suitable		
č	-	fire-extinguishing method according to the surrounding situation is		
		used Uninvolved persons should evacuate to a safe place. In case of fire		

fire-extinguishing method according to the surrounding situation is used. Uninvolved persons should evacuate to a safe place. In case of fire in the surroundings: Remove movable containers if safe to do so. Use personal protective equipment as required

## Protection of fire-fighters 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions

- · Go to the windward, and wearing protective clothing during procedures is imperative.
- · Keep away the people under lee and seal off by roping spill site.
- Keep away near inflammables swiftly and prepare fire-fighting equipment.

Environmental precautions

• Prevent product from entering drains.

Methods and materials for containment and cleaning up

• Do not touch spilled material without suitable protection. After material is completely picked up, wash the spill site with soap and water and ventilate the area. Put all wastes in a plastic bag for disposal and seal it tightly. Remove, clean, or dispose of contaminated clothing.

### 7. HANDLING AND STORAGE

#### Handling

Technical measures

- Handling is performed in a well-ventilated place.
- $\boldsymbol{\cdot}$  Avoid contact with skin, eyes and clothing.
- $\cdot$  Wear suitable protective equipment.
- · Wash hands and face thoroughly after handling.
- · Use a local exhaust if dust or aerosol will be generated.

Advice on safe handling

- Handle in accordance with good industrial hygiene and safety practice.
- · Vessel shouldn't be treated violently, such as rolling, shocking or dragging.

#### Storage

- Storage conditions
  - Keep container tightly closed. Store in a dark place under -20 degrees Celsius.
  - Avoid long storage.

# 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering controls		Install a closed system or local exhaust.
		Install safety shower and eye bath.
Contr	ol parameters	Not set up
Personal protective equipment		
	Respiratory protection	Dust respirator
	Hand protection	Protective gloves
	Eye protection	Safety glasses
	Skin and body protection	Protective clothing. Protective boots, if the situation requires.
TVOTOAT	AND OTTEM TOAT DOODED	NTEC .

#### 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state (color/form)	Yellow/powder
Odor	Odorless
pH	No data available
Melting point/freezing point	No data available
Boiling Point/Range	No data available
Flash Point	No data available
Explosive limits	No data available
Vapor pressure	No data available
Vapor density	No data available
Density	No data available
Solubility(ies)	
[Water]	No data available
[Other solvents]	
Soluble	Dimethylsulfoxide, N.N.Dimethylformamide

Firing point No	data available
· ·	data available
10. STABILITY AND REACTIVITY	
Stability	Stable under proper conditions.
Reactivity	None under normal processing.
Incompatible materials	Strong oxidizing agents, reducing agents
Hazardous Decomposition Produc	
11. TOXICOLOGICAL INFORMATION	
Acute Toxicity	No data available
Skin corrosion/irritation	No data available
Serious eye damage/irritation	No data available
Respiratory sensitization	No data available
Skin sensitization	No data available
Reproductive cell mutagenicity	No data available
Carcinogenicity	No data available
Reproductive toxicity	No data available
STOT-single exposure	No data available
STOT-repeated exposure	No data available
Aspiration hazard	No data available
12. ECOLOGICAL INFORMATION	Nr. 1. C
Ecotoxicity effects	No information available No information available
Mobility Diadarma datian	No information available
Biodegradation Bioaccumulation	No information available
Hazard to the ozone layer	No information available
13. DISPOSAL CONSIDERATIONS	
Chemical materials	
	nce with local regulations.
Polluted vessels and package	ice with local regulations.
	nce with local regulations.
14. TRANSPORT INFORMATION	ice with local regulations.
ADR/RID	Not regulated
UN number	-
Proper shipping name	
UN classification	
Subsidiary hazard class	
Packing group	
Marine pollutant	No information available
IMDG	Not regulated
UN number	-
Proper shipping name	
UN classification	
Subsidiary hazard class	
Packing group	
Marine pollutant (Sea)	No information available
Transport in bulk according to	No information available
Annex II of MARPOL 73/78 and	
the IBC Code	
IATA	Not regulated
UN number	-
UN number	- 3 / 4

Proper shipping name UN classification Subsidiary hazard class Packing group Environmentally Hazardous No informa Substance

No information available

## **15. REGULATORY INFORMATION**

Not applicable

## **16. OTHER INFORMATION**

· International Chemical Safety Card (ICSC) database in Japanese (National Institute of Health Sciences)

• This MSDS was prepared sincerely on the basis of the information we could obtained, however, any warranty shall not be given regarding the data contained and the assessment of hazards and toxicity.

- Prior to use, please investigate not only the hazards and toxicity information but also the laws and regulations of the organization, area and country where the products are to be used.
- Some new information or amendments may be added afterwards.
- If the products are to be used far behind the expected time of use or if you have any questions, please feel free to contact us.