## MATERIAL SAFETY DATA SHEET

 $Revision. {\bf Feb.01,2006}$ 

Product and compan	y identification						
Product name:	SK-18 SP						
Supplier EBAR	EBARA-UDYLITE CO., LTD.						
Yamag	Yamaguchi Building.7, 19-9, Taitoh 4-chome,						
Taitoh-ku, Tokyo 110-0016, Japan							
Contact Technology Control Dept.							
Emergency telephone number 81-466-81-3855 FAX 81-466-82-0284							
2 Composition/informa	ition on ingredients						
Substance or preparation:	Preparation						
Components contributing to	the hazard						
Components	CAS No.	Percentage	ACGIH-TWA				
Sodium hydroxide	1310-73-2	20.0%	$2 \mathrm{mg/m^3}$				
B Hazards identificatio	n						
Most important hazards							
Environmental effects							
Human health effects	If the skin is touched,	the skin will be corrode	ed violently.				
Specific hazards							
Although there is no danger	; such as explosion and ignit	ion, when acid is contact	ed. it generates				
heat violently.			·				
First-aid measures							
Threshold Limit Value:	None known or establish	ed.					
Effects of Overexposure							
Acute: Corrosive to eyes, skin and mucous membranes.							
Chronic: Corrosive to eyes. skin and mucous membranes.							
Principal Route of Ex	rposure: Skin contact, in	gestion, and inhalation.	·				
Emergency First Aid	Procedures:						
Eye: Flush	Eye: Flush with water 15 minutes. Get medical attention.						
Skin: Flush with plenty water.							
Inhalation: Remove to fresh air. Get medical attention.							
Swallowing:	Rinse mouth with water and get medical attention.						

Fire-fighting measure	28					
Extinguishing Media	Water, Carbon dioxide, and Dry chemical powder.					
Special Fire	wear self-contained breathing apparatus and full protective clothing					
Fighting Procedures						
Unusual Fire and None known						
Explosion Hazards						
Accidental release me	easures					
Steps to be taken in case ma	aterial is released or spilled:					
Neutralize spill wit	h chemically basic substance such as weak acids.					
Wash neutralized n	naterial to waste treatment plant.					
Handling and storage						
Handling & Storage:	•					
Store in cool, well v	ventilated area.					
Store separately fro	om materials that may react violently or are incompatible.					
A container is seale	ed and kept so that moisture may not be inhaled.					
B Exposure controls/pe	rsonal protections					
Control parameters						
Personal protective equipments Respiratory protection	ent					
Hand protection						
Eye protection	Neoprene or rubber gloves.  Protective glasses.					
Skin and body protection						
prototo.	Trouble of the state of the sta					
Physical and chemica	al properties					
Appearance and Odor:	White~ pale pink powder.					
Boiling Point:	NA					
Vapor pressure:	NA					
Percent Volatile by Volume:	NA NA					
Evaporation Rate:	NA					
Specific Gravity	NA					
pH:	NA					
Solubility in Water: Comple	<u>te</u>					
Flash Point: NA						

10 Stability and reactiv	vity			•	
Stability: Stable	×	Unstable _			
Hazardous Polymerization	×				
Incompatibility (Materials					
Hazardous Decomposition I					
11 Toxicological inform	nation				
Acute toxicity			· · · · · · · · · · · · · · · · · · ·		
Chemical or genetic nam	ne Soc	dium hydroxide			
Ingestion	LD	<sub>50</sub> Rat: 10mg/kg			
Chemical or genetic nan	<i></i>				
Ingestion				•	
Local effects					
Inhalation			<del>_</del> .		
Skin contact	This product irr	itates the skin.	_		
Eye contact	This product irr	ritates the eyes.			
Ingestion			_		
12 Ecological informat	ion				
Eco-toxicity No da	ta available.				
13 Disposal considerat	ion				
Waste Disposal Method:	Licensed was	ste treatment facility	7.		
14 Transport informat	ion				
DOT Property Shipping Na	me:	SODIU	M HYDROXIDE, SOLI		
Hazard Class: CORROSIVE MATERIAL					
DOT Labels:			R		
IATA Class: 8	Packing Group:	2 <i>UN</i> #	t: <u>1823</u>		
	Packing Group:				

## 15 Regulatory information

Poisonous Material Control law (Japanese Law)

Industrial Safety and Health Law (Japanese Law)

Pollutant Release and Transfer Register (Japanese Law)

Recommendation on the TRANSPORT OF DANGEROUS GOODS

## 16 Other information

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.