

Sodium hydroxide solution

Revision Date 08/24/2021 Print Date 05/12 Sodium hydroxide solution 00000020410 Laboratory chemicals 14000000000000000000000000000000000000
00000020410 Laboratory chemicals Honeywell International Inc. 1953 South Harvey Street Muskegon, MI 49442 1-800-368-0050
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Muskegon, MI 49442 1-800-368-0050
+1-231-726-3171(Monday-Friday, 9:00am-5:00pm)
Medical: 1-800-498-5701 or +1-303-389-1414
Transportation (CHEMTREC): 1-800-424-9300 or +1-703-527-3887
(24 hours/day, 7 days/week)
ΓΙΟΝ
liquid
colourless
odourless
or mixture
 Corrosive to metals, Category 1 Skin corrosion, Category 1B Serious eye damage, Category 1
precautionary statements
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Symbol(s)		
Signal word	: Danger	
Hazard statements	: May be corrosive to metals. Causes severe skin burns and eye	damage.
Precautionary statements	: Prevention: Keep only in original container. Wash skin thoroughly after handling Wear protective gloves/protective of protection.	
	Response: IF SWALLOWED: Rinse mouth. Do IF ON SKIN (or hair): Remove/ Tak contaminated clothing. Rinse skin v IF INHALED: Remove victim to free position comfortable for breathing. IF IN EYES: Rinse cautiously with v Remove contact lenses, if present a rinsing. Immediately call a POISON CENTE Wash contaminated clothing before Absorb spillage to prevent material	te off immediately all with water/ shower. sh air and keep at rest in a water for several minutes. and easy to do. Continue ER/ doctor. e reuse.
	Storage: Store locked up. Store in corrosive resistant containe	er with a resistant inner liner.
	Disposal: Dispose of contents/ container to a plant.	n approved waste disposal
Carcinogenicity		
No component of this product p anticipated carcinogen by NTP	present at levels greater than or equal to , IARC, or OSHA.	0.1% is identified as a known or
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Honeywell SAFETY DATA SHEET Fluka Sodium hydroxide solution 319511-500ML Version 1.1 Revision Date 08/24/2021 Print Date 05/12/2023 SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS Formula : NaOH Chemical nature : Mixture Chemical name CAS-No. Concentration Water 7732-18-5 96.00 % Sodium hydroxide 1310-73-2 4.00 % SECTION 4. FIRST AID MEASURES General advice : First aider needs to protect himself. Move out of dangerous area. Take off all contaminated clothing immediately. Inhalation : If inhaled, remove to fresh air. Call a physician. Skin contact : Wash off immediately with plenty of water. Immediate medical treatment is necessary as untreated wounds from corrosion of the skin heal slowly and with difficulty. Protect unharmed eye. Rinse thoroughly with plenty of water, Eye contact : also under the eyelids. Call a physician immediately. : When swallowed, allow water to be drunk. Do NOT induce Ingestion vomiting. Call a physician immediately. Notes to physician Most important : No information available. symptoms/effects, acute and delayed Indication of immediate : Treat symptomatically. medical attention and special treatment needed, if necessary Page 3 / 13



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Quitable extinguishing made		Mator oprov
Suitable extinguishing media		Water spray Dry powder
		Foam
		Carbon dioxide (CO2)
Specific hazards during	:	Material can create slippery conditions.
firefighting		The product itself does not burn.
Special protective equipment for firefighters	t :	No unprotected exposed skin areas. Wear self-contained breathing apparatus and protective suit.
ion monghero		
Further information	:	Use extinguishing measures that are appropriate to local
		circumstances and the surrounding environment.
TION 6. ACCIDENTAL RELI	= ^ 9	EMEASURES
Personal precautions, protective equipment and	:	Evacuate personnel to safe areas.
emergency procedures		Wear personal protective equipment. Unprotected persons must be kept away.
		Do not breathe vapours or spray mist.
		Do not get in eyes, on skin, or on clothing.
Environmental precautions	:	Prevent further leakage or spillage if safe to do so.
		If the product contaminates rivers and lakes or drains inform
		respective authorities.
		Do not flush into surface water or sanitary sewer system.
Methods and materials for	:	Soak up with inert absorbent material.
containment and cleaning up		Sweep up and shovel into suitable containers for disposal.
Additional advice	:	Spilling onto the container's outside will make container slippery
TION 7. HANDLING AND ST Handling	OR	AGE
-		
Precautions for safe	:	Wear personal protective equipment.
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handling		Use only in well-ventilated areas. Do not breathe vapours or spray mist. Do not get in eyes, on skin, or on clothir	ng.
Advice on protection against fire and explosion	:	The product itself does not burn. Normal measures for preventive fire pro Contact with metals liberates hydrogen	
Storage			
Conditions for safe storage, including any incompatibilities	:	Store in original container. Keep containers tightly closed in a dry, place. Protect from physical damage.	cool and well-ventilated
Advice on common storage	:	Do not store near acids. Keep away from metals.	
TION 8. EXPOSURE CONT	ROL	S/PERSONAL PROTECTION Ensure that eyewash stations and safet	v showers are close to
Fiolective measures		the workstation location. Legal requirements are to be considered selection, use and care of personal pro Do not breathe vapours or spray mist. Do not get in eyes, on skin, or on clothir	d in regard of the tective equipment.
Engineering measures	:	Use with local exhaust ventilation.	
Eye protection	:	Face-shield Safety goggles	
Hand protection	:	Impervious gloves Gloves must be inspected prior to use. Replace when worn.	
Skin and body protection	:	Protective suit	
Respiratory protection	:	In case of insufficient ventilation, wear s equipment.	suitable respiratory
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Hygiene measures	char				ately.
	Was Rec	nging clothes p working clo sh hands bef	are required for	r washing, y. at the end	showering and l of workday.
Exposure Guidelines Components C	s CAS-No.	Value	Control parameters	Upda te	Basis
Sodium hydroxide	1310-73-2	Ceiling : Ceiling Limit Value:	2 mg/m3	2008	ACGIH:US. ACGIH Threshold Limit Values, as amended
Sodium hydroxide	1310-73-2	Ceil_Tim e : Ceiling Limit Value and Time Period (if specified) :	2 mg/m3	2005	NIOSH/GUIDE:US. NIOSH: Pocket Guide to Chemical Hazards, as amended
Sodium hydroxide	1310-73-2	PEL : Permissi ble exposure limit	2 mg/m3	02 2006	OSHA_TRANS:US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000), as amended
Sodium hydroxide	1310-73-2	Ceiling : Ceiling Limit Value:	2 mg/m3	1989	Z1A:US. OSHA Table Z-1-A (29 CFR 1910.1000), as amended



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		1 mil Dale 00/12/2020
Color	: colourless	
Odor	: odourless	
Odor threshold	: Note: No data available	
	: 13 - 14	
рН		
Melting point/range	: <0 °C	
Boiling point/boiling range	: > 100 °C	
Flash point	: Note: Not applicable	
Evaporation rate	: Note: No data available	
Flammability	: Not applicable	
,		
Lower explosion limit	: Note: Not applicable	
Upper explosion limit	: Note: Not applicable	
Vapor pressure	: Note: similar to water	
Density	: ca. 1.04 g/cm3 at 20 °C	
Water solubility	: Note: completely miscible	
Partition coefficient:	: Note: No data available	
n-octanol/water		
Ignition temperature	: Note: Not applicable	
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Auto-ignition temperature	: Note: not auto-flammable	
Decomposition temperature	: Note: No decomposition if used	as directed.
Viscosity, dynamic	: Note: No data available	
Viscosity, kinematic	: Note: No data available	
Oxidizing properties	: The substance or mixture is not	classified as oxidizing.
Molecular weight	: 40 g/mol	
Bulk density	: Note: Not applicable	
Corrosivity	: Note: Corrosive to metals	
Reactivity	: Not classified as a reactivity haz	ard.
Chemical stability	: Stable under normal conditions.	
Possibility of hazardous reactions	: Hazardous polymerisation does Exothermic reaction with strong	
Teactions	Corrosive in contact with metals	
Conditions to avoid	: Protect from contamination.	
Incompatible materials	: Gives off hydrogen by reaction v Exothermic reaction with strong	
Hazardous decomposition products	: No hazardous decomposition pro	oducts known.
CTION 11. TOXICOLOGICAL	NFORMATION	
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31051	1-500ML
31951	

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Acute oral toxicity	: Note: Not classified due to data wh insufficient for classification.	ich are conclusive although
Acute inhalation toxicity	: Note: Not classified due to data wh insufficient for classification.	ich are conclusive although
Acute dermal toxicity	: Note: Not classified due to data wh insufficient for classification.	ich are conclusive although
Skin irritation	: Note: Classification based on Anne 1272/2008/EC.	ex VI of regulation
Eye irritation	: Note: Classification based on Anne 1272/2008/EC.	ex VI of regulation
Sensitisation	: Species: Humans Result: Does not cause skin sensit	isation.
TION 12. ECOLOGICAL INFO	Result: Does not cause skin sensit	isation.
	Result: Does not cause skin sensit	
TION 12. ECOLOGICAL INFO	Result: Does not cause skin sensit	ich are conclusive although
TION 12. ECOLOGICAL INFO Ecotoxicity effects Toxicity to fish Toxicity to daphnia and other	 Result: Does not cause skin sensit DRMATION Note: Not classified due to data who insufficient for classification. EC50: 40.4 mg/l Exposure time: 48 h Species: Ceriodaphnia (water flea) 	nich are conclusive although

SAFETY	DATA SHEET		Honeywell Fluka [™]
Sodium ł	ydroxide solution		
319511-5			
Version 1.1	Revis	sion Date 08/24/2021	Print Date 05/12/2023
Further	information on ecology		
Additiona informati		nethods for determining biode able to inorganic substances	
SECTION 13	. DISPOSAL CONSIDERATION	IS	
Disposal		rve all Federal, State, and Lo ations.	ocal Environmental
SECTION 14	. TRANSPORT INFORMATION		
DOT	UN/ID No. Proper shipping name Class Packing group Hazard Labels	: UN 1824 : SODIUM HYDROXIDE 8 II 8	SOLUTION
ΙΑΤΑ	UN/ID No. Description of the goods Class Packaging group Hazard Labels Packing instruction (cargo aircraft) Packing instruction (passenger aircraft) Packing instruction (passenger aircraft)	: UN 1824 : SODIUM HYDROXIDE : 8 : II : 8 : 855 : 851 : Y840	SOLUTION
IMDG	UN/ID No. Description of the goods Class Packaging group Hazard Labels EmS Number Marine pollutant IMDG Code segregation gro	: UN 1824 : SODIUM HYDROXIDE : 8 : II : 8 : F-A, S-B : no up 18 – ALKALIS,	SOLUTION
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Control Act Australia. Industrial : Chemical (Notification and Assessment) Act Canada. Canadian : Environmental Protection	On TSCA Inventory On the inventory, or in compliance with the inventory
Chemical (Notification and Assessment) Act Canada. Canadian : Environmental Protection	On the inventory, or in compliance with the inventory
Environmental Protection	
Act (CEPA). Domestic Substances List (DSL)	All components of this product are on the Canadian DSL
Japan. Kashin-Hou Law List :	On the inventory, or in compliance with the inventory
Korea. Existing Chemicals : Inventory (KECI)	On the inventory, or in compliance with the inventory
Philippines. Inventory of : Chemicals and Chemical Substances (PICCS)	On the inventory, or in compliance with the inventory
China. Inventory of Existing : Chemical Substances (IECSC)	On the inventory, or in compliance with the inventory
New Zealand. Inventory of : Chemicals (NZIoC), as published by ERMA New Zealand	On the inventory, or in compliance with the inventory
National regulatory information	n
Hazardous Substances (40	The following component(s) of this product is/are subject to release reporting under 40 CFR 302 when release exceeds the Reportable Quantity (RQ):
	Reportable quantity: 1000 lbsSodium hydroxide1310-73-2
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SARA 302 Components	: No chemicals in this material are requirements of SARA Title III, S	
SARA 313 Components	: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.	
SARA 311/312 Hazards	: Acute Health Hazard	
California Prop. 65	: This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.	
Massachusetts RTK	: Sodium hydroxide	1310-73-2
New Jersey RTK	: Sodium hydroxide	1310-73-2
-	·	
Pennsylvania RTK	: Sodium hydroxide	1310-73-2
CTION 16. OTHER INFORM		

	HMIS III	NFPA
Health hazard	: 3*	3
Flammability	: 0	0
Physical Hazard	: 1	
Instability	:	1

* - Chronic health hazard

Hazard rating and rating systems (e.g. HMIS® III, NFPA): This information is intended solely for the use of individuals trained in the particular system.

Further information

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, use, processing, storage, transportation, disposal and release and is not to be considered a

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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. Final determination of suitability of any material is the sole responsibility of the user. This information should not constitute a guarantee for any specific product properties.

Changes since the last version are highlighted in the margin. This version replaces all previous versions.

Previous Issue Date: 09/22/2016

Prepared by Honeywell Performance Materials and Technologies Product Stewardship Group

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