

Version	Revision Date:	SDS Number:	Date of last issue: 05-24-2021
6.0	04-19-2023	1000001221	Date of first issue: 04-19-2023

Olin Corporation (OCAP) encourages and expects you to read and understand the entire (M)SDS, as there is important information throughout the document. We expect you to follow the precautions identified in this document unless your use conditions would necessitate other appropriate methods or actions.

## **SECTION 1. IDENTIFICATION**

Product name	:	Sodium Hydroxide Solution 30 - 54%
Other means of identification	:	No data available

## Manufacturer or supplier's details

Company name of supplier Address		Olin Corporation (OCAP) 190 Carondelet Plaza, Suite 1530 Clayton MO 63105
Telephone E-mail address 24-Hour Emergency Contact Local Emergency Contact Identified uses	:	(423) 336-4850 INFO@OLIN.COM

#### **SECTION 2. HAZARDS IDENTIFICATION**

#### GHS classification in accordance with the Hazardous Products Regulations

Corrosive to metals	: Category 1	
Acute toxicity (Oral)	: Category 4	
Skin corrosion	: Category 1B	
Serious eye damage	: Category 1	
GHS label elements Hazard pictograms		
Signal word	: Danger	



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Hazar	d statements	: May be corrosi Harmful if swal Causes severe	
Preca	utionary statements	P264 Wash ski P270 Do not ea	y in original packaging. n thoroughly after handling. at, drink or smoke when using this product. tective gloves/ protective clothing/ eye protection
		CENTER/ doct P301 + P330 + induce vomiting P303 + P361 + all contaminate P304 + P340 + and keep comf CENTER/ doct P305 + P351 + water for sever and easy to do CENTER/ doct P363 Wash co	P353 IF ON SKIN (or hair): Take off immediately d clothing. Rinse skin with water. P310 IF INHALED: Remove person to fresh air ortable for breathing. Immediately call a POISON or. P338 + P310 IF IN EYES: Rinse cautiously with al minutes. Remove contact lenses, if present . Continue rinsing. Immediately call a POISON
		<b>Storage:</b> P405 Store loc	ked up.

## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture Substance name	:	Substance Sodium Hydroxide Solution 30 - 54%
CAS-No.	:	1310-73-2
Common Name/Synonym	:	No data available

# Components

	Common Name/Synonym	CAS-No.	Concentration (% w/w)
Sodium hydroxide	sodium hydrox- ide	1310-73-2	>= 30 - <= 54

# SAFETY DATA SHEET



# Sodium Hydroxide Solution 30 - 54%

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Wate	r	water	7732-1	8-5	>= 46 - <= 70
SECTION	4. FIRST AID ME	ASURES			
lf inha In cas	aled se of skin contact	:	Immediate con for at least 30 nated clothing Wash clothing such as shoes	ntinued an minutes is Prompt r before re bets, an gency safe	r; if effects occur, consult a physician. d thorough washing in flowing water s imperative while removing contami- nedical consultation is essential. use. Properly dispose of leather items d watchbands. ety shower facility should be immedi-
In cas	se of eye contact	:	- Wash eyes v not forget to re Washing with of caustic sod 10 seconds or	vith plenty emove cor water is th a (lye) fror · less to av	of water for 15 minutes at least. Do ntact lenses. The only acceptable method of removal in the eyes and skin. You may have yoid serious permanent injury. The wash facility should be immediately
lf swa	allowed	:	Do not induce water or milk i	f available	Give one cup (8 ounces or 240 ml) of and transport to a medical facility. Do uth unless the person is fully con-
and e delay	important sympton offects, both acute ed ction of first-aiders	and	measures (ab effects are des First Aid respo and use the re sistant gloves	ove), any scribed in onders sho ecommenc , splash pr exposure	exists refer to Section 8 for specific
Notes	s to physician	÷	Eye irrigation time to remove gation and tre Due to irritant burns/ulceration tract with subs cause lung inj lavage is done If burn is presen nation. No specific an	may be ne e as much atment is a properties on of mout sequent st ury. Sugge e. ent, treat a stidote.	ecessary for an extended period of caustic as possible. Duration of irri- at the discretion of medical personnel. s, swallowing may result in th, stomach and lower gastrointestinal ricture. Aspiration of vomitus may est endotracheal/esophageal control if as any thermal burn, after decontami- should be directed at the control of

### **SECTION 5. FIREFIGHTING MEASURES**

Suitable extinguishing media	:	This material does not burn. If exposed to fire from another source, use suitable extinguishing agent for that fire.
Unsuitable extinguishing media	:	Do not use water.
Specific hazards during fire- fighting	:	Product reacts with water. Reaction may produce heat and/or gases. This reaction may be violent.



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				neration or eruption may occur upon applica- r stream to hot liquids.
Haza ucts	Hazardous combustion prod- ucts		Not applicable	
Further information		:	Water is not recortities as a fine spr available.	y. Isolate fire and deny unnecessary entry. mmended, but may be applied in large quan- ay when other extinguishing agents are not s not burn. Fight fire for other material that is
	Special protective equipment for firefighters		Wear positive-pre (SCBA) and prote fighting helmet, co Avoid contact with If contact is likely, clothing with self- available, wear fu contained breathin location. For protective equ	essure self-contained breathing apparatus ective fire fighting clothing (includes fire pat, trousers, boots, and gloves). In this material during fire fighting operations. In change to full chemical resistant fire fighting contained breathing apparatus. If this is not Il chemical resistant clothing with self- ing apparatus and fight fire from a remote upment in post-fire or non-fire clean-up sit- ne relevant sections.

## SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protec- tive equipment and emer- gency procedures	:	Evacuate area. Only trained and properly protected personnel must be in- volved in clean-up operations. Refer to section 7, Handling, for additional precautionary measures. Keep upwind of spill. Ventilate area of leak or spill. See Section 10 for more specific information. Use appropriate safety equipment. For additional information, refer to Section 8, Exposure Controls and Personal Protection.
Environmental precautions	:	Prevent from entering into soil, ditches, sewers, waterways and/or groundwater. See Section 12, Ecological Information.
Methods and materials for containment and cleaning up	:	Contain spilled material if possible. Small spills: Dilute with water. Large spills: Dike area to contain spill. Collect in suitable and properly labeled containers. Attempt to neutralize by adding materials such as Acetic acid See Section 13, Disposal Considerations, for additional infor- mation.

### SECTION 7. HANDLING AND STORAGE

Advice on safe handling : Do not get in eyes, on skin, on clothing.



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		Keep containe Use with adequation ALWAYS add agitation. NEV 2. The water start was NEVER start was becomes concadded to hot o result in DANG cause an imme	g mist. hly after handling. r closed. uate ventilation. caustic soda solution to water with constant /ER add water to the caustic soda solution. hould be lukewarm (27-38°C or 80-100°F). with hot or cold water. The addition of caustic will cause a rise in temperature. If caustic soda entrated in one area, is added too rapidly, or is r cold liquid, a rapid temperature increase can EROUS mists, boiling or spattering which may ediate VIOLENT ERUPTION. EXPOSURE CONTROLS AND PERSONAL
	ns for safe storage	: Keep containe Do not store in Zinc. Aluminum. Brass. Tin.	r closed.

## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

## Components with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parame- ters / Permissible concentration	Basis		
Sodium hydroxide	1310-73-2	(C)	2 mg/m3	CA AB OEL		
		С	2 mg/m3	CA BC OEL		
		С	2 mg/m3	CA QC OEL		
		С	2 mg/m3	ACGIH		
Engineering measures	<ul> <li>Use engineering controls to maintain airborne level below exposure limit requirements or guidelines.</li> <li>If there are no applicable exposure limit requirements or guidelines, use only with adequate ventilation.</li> <li>Local exhaust ventilation may be necessary for some operations.</li> </ul>					
Personal protective equipm	ent					
Respiratory protection	tial to excee If there are guidelines, such as res enced, or w	Respiratory protection should be worn when there is a poten- tial to exceed the exposure limit requirements or guidelines. If there are no applicable exposure limit requirements or guidelines, wear respiratory protection when adverse effects, such as respiratory irritation or discomfort have been experi- enced, or where indicated by your risk assessment process. In misty atmospheres, use an approved particulate respirator.				
Filter type		ig should be effect	tive types of air-purify			
Hand protection						



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	Remarks Eye protection Skin and body protection	:	preferred glove ba rinated polyethyle Nitrile/butadiene r Ethyl vinyl alcohol ("PVC" or "vinyl"). gloves made of: F selection of a spe duration of use in all relevant workp er chemicals whic (cut/puncture prot tial body reactions tions/specification Use chemical gog Use protective clo	cally resistant to this material. Examples of arrier materials include: Butyl rubber. Chlo- ne. Natural rubber ("latex"). Neoprene. ubber ("nitrile" or "NBR"). Polyethylene. laminate ("EVAL"). Polyvinyl chloride Styrene/butadiene rubber. Viton. Avoid Polyvinyl alcohol ("PVA"). NOTICE: The cific glove for a particular application and a workplace should also take into account lace factors such as, but not limited to: Oth- h may be handled, physical requirements ection, dexterity, thermal protection), poten- to glove materials, as well as the instruc- s provided by the glove supplier. gles. thing chemically resistant to this material. fic items such as face shield, boots, apron, II depend on the task.
SECT	ION 9. PHYSICAL AND CHE	ΞΜΙΟ		3
A	Appearance	:	Liquid above free	zing point
C	Colour	:	Colorless	
C	Ddour	:	Odorless	
C	Ddour Threshold	:	No test data avai	lable
p	Н	:	14 Method: Literatur	e
	Pour point	:		
	Softening point 3oiling point/boiling range	:	Method: ASTM D	1120
F	Flash point	:	Method: Literatur None	e
E	Evaporation rate	:	No test data avai	lable
F	lammability (solid, gas)	:	No	
	Jpper explosion limit / Upper lammability limit	:	Not applicable	
	ower explosion limit / Lower lammability limit	:	Not applicable	
V	/apour pressure	:	23.67 mmHg (25 Method: Literatur	,
F	Relative vapour density	:	Not applicable	



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F	Relativ	e density	:	1.353 - 1.528 (20 Method: Literatu			
S	Solubili Wat	ity(ies) er solubility	:	completely misci	ble		
-	Partitio octanol	n coefficient: n-	:	No data available	е.		
		nition temperature	:	: Not applicable			
Γ	Decom	position temperature	:	: No test data available			
١	Viscosi Visc	ty cosity, dynamic	:	: No data available			
	Visc	cosity, kinematic	:	Method: No infor	mation available.		
E	Explosi	ve properties	:	No			
(	Oxidiziı	ng properties	:	No			
Ν	Molecu	lar weight	:	No test data ava	ilable		

Note: These are the Reference Points for these Physical Properties listed above, unless otherwise noted in their respective Physical Property value information: Boiling Point at 760 mmHg; Evaporation Rate Butyl Acetate = 1; Relative Vapor Density Air = 1; and Relative Density Water = 1. NOTE: The physical data presented above are typical values and should not be construed as a specification.

## SECTION 10. STABILITY AND REACTIVITY

Reactivity Chemical stability	:	No data available Stable under recommended storage conditions. See Storage, Section 7.
Possibility of hazardous reac- tions	:	Polymerization will not occur.
Conditions to avoid	:	Avoid moisture. Product absorbs carbon dioxide from the air.
Incompatible materials	:	Heat is generated when mixed with water. Spattering and boiling can occur. Caustic soda solution reacts readily with various reducing sugars (i.e. fructose, galactose, maltose, dry whey solids) to produce CO. Take precautions including monitoring the tank atmosphere for CO to ensure safety of personnel before ves- sel entry. Avoid contact with: Acids. Glycols. Halogenated organics. Organic nitro compounds. Flammable hydrogen may be generated from contact with metals such as: Zinc. Aluminum.



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Hazar produ	dous decomposition cts	Tin. Brass. : Does not d	ecompose.
CTION	11. TOXICOLOGICAL	INFORMATION	
Acute	toxicity		
Produ	uct:		
	oral toxicity	Swallowing 1	oderate toxicity if swallowed. nay result in burns of the mouth and throat. nay result in gastrointestinal irritation or ulceration.
		Remarks: Sir	gle dose oral LD50 has not been determined.
Acute	inhalation toxicity	: Remarks: Mi (nose and thr	st may cause severe irritation of upper respiratory tract oat).
		Remarks: As The LC50 ha	product: s not been determined.
Acute	dermal toxicity	: Remarks: Pro of harmful ar	olonged skin contact is unlikely to result in absorption nounts.
		Remarks: Th	e dermal LD50 has not been determined.
Comp	oonents:		
Sodiu	ım hydroxide:		
Acute	oral toxicity	: LD50 (Rabbi Method: Esti	
Acute	inhalation toxicity	: Remarks: Th	e LC50 has not been determined.
Acute	dermal toxicity	: Remarks: Th	e dermal LD50 has not been determined.
Skin d	corrosion/irritation		
<u>Produ</u>	ıct:		
Result Remar			may cause skin burns. Symptoms may include pain, redness and tissue damage.
Comp	oonents:		
Sodiu	ım hydroxide:		
Result Remar			e burns. may cause severe skin burns. Symptoms may include ocal redness and tissue damage.



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Serio	us eye damage/eye	irritati	on	
Produ	ıct:			
Rema		:	may cause seven sult in perman	of the material, it is assumed that exposure vere irritation with corneal injury which may re- ent impairment of vision, even blindness. e eye irritation.
<u>Comp</u>	oonents:			
Sodiu	ım hydroxide:			
Result Rema		:		
Respi	ratory or skin sens	itisatic	on	
Produ	ıct:			
Rema	rks	:	For skin sensit No relevant da	
Rema	rks	:	For respiratory No relevant da	
<u>Comp</u>	oonents:			
Sodiu	ım hydroxide:			
Assess Rema		:		skin sensitisation. allergic skin reactions when tested in humans
Rema	rks	:	For respiratory No relevant da	
Germ	cell mutagenicity			
<u>Produ</u>	ıct:			
	oxicity in vitro	:		e major component(s): toxicity studies were negative.
<u>Comp</u>	oonents:			
Sodiu	ım hydroxide:			a construction of the second
	im hydroxide: coxicity in vitro	:	Remarks: In vita	o genetic toxicity studies were negative.
Genot	-	:	Remarks: In vit	o genetic toxicity studies were negative.
Genot	nogenicity	:	Remarks: In viti	o genetic toxicity studies were negative.



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<u>Comp</u>	onents:		
<b>Sodiu</b> Remar	<b>m hydroxide:</b> <sup>ks</sup>	: No relevant d	ata found.
Repro	ductive toxicity		
<u>Produ</u> Effects	<b>ict:</b> s on fertility	: Remarks: No	relevant data found.
Effect: ment	s on foetal develop-	: Remarks: No	relevant data found.
Comp	onents:		
	<b>m hydroxide:</b> s on fertility	: Remarks: No	relevant data found.
Effects ment	s on foetal develop-	: Remarks: No	relevant data found.
STOT	- single exposure		
<u>Produ</u> Asses	i <u>ct:</u> sment		orrosive. Material is not classified as a respiratory ever, upper respiratory tract irritation or corrosivity ected.
Comp	onents:		
	<b>m hydroxide:</b> sment		ta are inadequate to determine single exposure et organ toxicity.
Repea	ated dose toxicity		
Produ Remar			alable data, repeated exposures are not anticipated to nal significant adverse effects.
<u>Comp</u>	onents:		
<b>Sodiu</b> Remar	<b>m hydroxide:</b> ks	: Based on avai	lable data, repeated exposures are not anticipated to

## Product:

Aspiration into the lungs may occur during ingestion or vomiting, causing tissue damage or lung injury.



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<u>Com</u>	ponents:		
Sodi	um hydroxide:		
Aspir injury		/ occur during ingest	ion or vomiting, causing tissue damage or lung
ECTION	I 12. ECOLOGICAL INF	ORMATION	
Ecot	oxicity		
<u>Com</u>	ponents:		
Sodi	um hydroxide:		
Toxic	city to fish		increase pH of aquatic systems to > pH 10 which aquatic organisms.
Pers	istence and degradab	ility	
Com	ponents:		
Sodi	um hydroxide:		
Biode	egradability	: Remarks: Biode	egradability is not applicable to inorganic substances.
Bioa	ccumulative potential		
<u>Com</u>	ponents:		
Sodi	um hydroxide:		
	ion coefficient: n- ol/water	: Remarks: No bi high water solu	oconcentration is expected because of the relatively bility.
Mob	ility in soil		
<u>Com</u>	ponents:		
Sodi	um hydroxide:		
	ibution among environ- al compartments	: Koc: 14 Method: Estima Remarks: Poter and 50).	nted. tial for mobility in soil is very high (Koc between 0
Othe	er adverse effects		
<u>Com</u>	ponents:		
Sodi	um hydroxide:		
Resul sessm	Its of PBT and vPvB as- nent	and toxic (PBT)	is not considered to be persistent, bioaccumulating ). This substance is not considered to be very persis- oaccumulating (vPvB).



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SECTION	CTION 13. DISPOSAL CONSIDERATIONS			
Dispo	osal methods			

Waste from residues	<ul> <li>AS YOUR SUPPLIER, WE HAVE NO CONTROL OVER THE MANAGEMENT PRACTICES OR MANUFACTURING PROCESSES OF PARTIES HANDLING OR USING THIS MATERIAL.</li> <li>THE INFORMATION PRESENTED HERE PERTAINS ONLY TO THE PRODUCT AS SHIPPED IN ITS INTENDED CONDITION AS DESCRIBED IN MSDS SECTION: Composi- tion Information.</li> <li>All disposal practices must be in compliance with all Federal, State/Provincial and local laws and regulations.</li> <li>Regulations may vary in different locations.</li> <li>Waste characterizations and compliance with applicable laws are the responsibility solely of the waste generator.</li> <li>DO NOT DUMP INTO ANY SEWERS, ON THE GROUND</li> </ul>
	DO NOT DUMP INTO ANY SEWERS, ON THE GROUND, OR INTO ANY BODY OF WATER.

#### **SECTION 14. TRANSPORT INFORMATION**

## **International Regulations**

UNRTDG		
UN number	:	UN 1824
Proper shipping name	:	SODIUM HYDROXIDE SOLUTION
Class	:	8
Packing group	:	II
Labels	:	8
IATA-DGR		
UN/ID No.	:	UN 1824
Proper shipping name	:	Sodium hydroxide solution
Class	:	8
Packing group	:	II
Labels	:	Corrosive
Packing instruction (cargo air-	:	855
craft)		
Packing instruction (passenger	:	851
aircraft)		
IMDG-Code		
UN number	:	UN 1824
Proper shipping name	:	SODIUM HYDROXIDE SOLUTION
Class	:	8
Packing group	:	II
Labels	:	8
EmS Code	:	F-A, S-B
Marine pollutant	:	no
Remarks	:	Stowage category AAlkalis
Transport in bulk according	ı to	Annex II of MARPOL 73/78 and the IBC Co

#### Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

## **National Regulations**



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Prope Class Packi Label ERG	umber r shipping name ng group s	 UN 1824 SODIUM HYD 8 II 8 154 no	ROXIDE SOLUTION

#### Special precautions for user

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

#### **SECTION 15. REGULATORY INFORMATION**

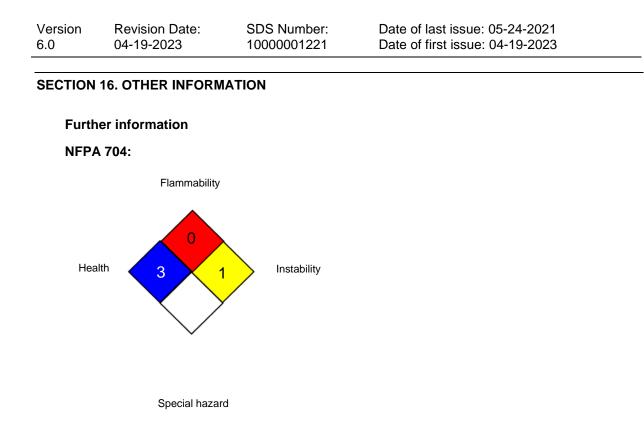
#### International Regulations

Montreal Protocol	:	Not applicable
Rotterdam Convention (Prior Informed Consent)	:	Not applicable
Stockholm Convention (Persistent Organic Pollutants)	:	Not applicable

#### The components of this product are reported in the following inventories:

• •		
TCSI	:	All intentional components are listed on the inventory, are exempt, or are supplier certified.
TSCA	:	All substances listed as active on the TSCA Inventory or are not required to be listed.
AIIC	:	All intentional components are listed on the inventory, are exempt, or are supplier certified.
DSL	:	All substances contained in this product are listed on the Ca- nadian Domestic Substances List (DSL) or are not required to be listed.
ENCS	:	All intentional components are listed on the inventory, are exempt, or are supplier certified.
ISHL	:	All intentional components are listed on the inventory, are exempt, or are supplier certified.
KECI	:	All intentional components are listed on the inventory, are exempt, or are supplier certified.
PICCS	:	All intentional components are listed on the inventory, are exempt, or are supplier certified.
IECSC	:	All intentional components are listed on the inventory, are exempt, or are supplier certified.
NZIoC	:	All intentional components are listed on the inventory, are exempt, or are supplier certified.
CH INV	:	All intentional components are listed on the inventory, are exempt, or are supplier certified.
TECI	:	





#### Full text of other abbreviations

ACGIH	:	USA. ACGIH Threshold Limit Values (TLV)
CA AB OEL	:	Canada. Alberta, Occupational Health and Safety Code (table 2: OEL)
CA BC OEL	:	Canada. British Columbia OEL
CA QC OEL	:	Québec. Regulation respecting occupational health and safe- ty, Schedule 1, Part 1: Permissible exposure values for air- borne contaminants
ACGIH / C	:	Ceiling limit
CA AB OEL / (c)	:	ceiling occupational exposure limit
CA BC OEL / C	:	ceiling limit
CA QC OEL / C	:	Ceiling

AIIC - Australian Inventory of Industrial Chemicals; ANTT - National Agency for Transport by Land of Brazil; ASTM - American Society for the Testing of Materials; bw - Body weight; CMR -Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; Nch - Chilean Norm; NO(A)EC - No Observed (Adverse) Effect



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Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NOM - Official Mexican Norm; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TDG - Transportation of Dangerous Goods; TECI - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative; WHMIS - Workplace Hazardous Materials Information System

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Olin Corporation (OCAP) urges each customer or recipient of this (M)SDS to study it carefully and consult appropriate expertise, as necessary or appropriate, to become aware of and understand the data contained in this (M)SDS and any hazards associated with the product. The information herein is provided in good faith and believed to be accurate as of the effective date shown above. However, no warranty, express or implied, is given.Regulatory requirements are subject to change and may differ between various locations. It is the buyer's/user's responsibility to ensure that his activities comply with all federal, state, provincial or local laws. The information presented here pertains only to the product as shipped. Since conditions for use of the product are not under the control of the manufacturer, it is the buyer's/user's duty to determine the conditions necessary for the safe use of this product. Due to the proliferation of sources for information such as manufacturer-specific (M)SDSs, we are not and cannot be responsible for (M)SDS sobtained from any source other than ourselves. If you have obtained an (M)SDS from another source or if you are not sure that the (M)SDS you have is current, please contact us for the most current version.

CA / EN