

-gg i Y' 8UhY''09-Feb-2015

FY j]g]cb' 8UhY''15-Sept-2017

JYfg]cb''4

%" =89BH=:75H-CB'C : 'H<9'G I 6GH5B79#DF9D5F5H-CB'5B8'C : 'H<9'7CAD5BM# I B89FH5?-B ;

DfcXiWh'BUaY SR ENZYME
Ch\Yf' a YUbg'cZ']XYbh]Z]WUh]cb'
DfcXiWh'7cXY 135
UN/ID No. See section 14
Gmbcbmag None
FYWca a YbXYX' i gY' cz'h\Y'W\Y a]WU''UbX' fYghf]Wh]cbg'cb' i gY'
FYWca a YbXYX' I gY Laundry Enzyme Presoak.
I gYg'UX j]gYX'U [U]bgh No information available

AUbiZUWh i fYf' 5XXfYgg
 Anderson Chemical Company, 325 South Davis Avenue, Litchfield, MN 55355 (320-693-2477)

9 a Yf [YbWm'hY'Yd\cbY'bi a VYf'
 Chemtrec 1-800-424-9300

&" <5N5F8G':89BH=:75H-CB

7'Ugg]Z]WUh]cb'


CG<5'FY [i'Uhcfm'GhUhi g
 This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Acute toxicity - Inhalation (Dusts/Mists)	Category 4
Serious eye damage/eye irritation	Category 2A

@UVY''Y' a Ybhg'
9 a Yf [YbWm'C jYf j]Yk

KUfb]b [

<UnUfX' ghUhY a Ybhg'
 Harmful if inhaled
 Causes serious eye irritation



5ddYUfUbWY'' powder **D\mg]WU'' ghUhY'' Solid** **CXcf'' None**

DfYWU i h]cbUfm' GhUhY a Ybhg' ! DfY jYbh]cb
 Avoid breathing dust/fume/gas/mist/vapors/spray
 Wash face, hands and any exposed skin thoroughly after handling
 Wear eye/face protection
 Use only in well-ventilated areas

DfYWU i h]cbUfm' GhUhY a Ybhg' ! FYgdcbgY

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
 If eye irritation persists: Get medical advice/attention

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
Call a POISON CENTER or doctor/physician if you feel unwell

<UnUfXg' bch' ch \Yf k]gY' W'Ugg]Z]YX' fl<BC7L''
Ch \Yf' -bzcf a Uh]cb''

- May be harmful if swallowed
- Harmful to aquatic life with long lasting effects
- Harmful to aquatic life

Unknown Acute Toxicity 11.6% of the mixture consists of ingredient(s) of unknown toxicity

" 7CADCG=H=CB#-B : CFA5H=CB'CB'-B ; F98-9BHG

7 \Y a]WU' BU aY	75G' Bc"	KY] [\h! i	HfUXY' GYWfYh
Sodium carbonate	497-19-8	23.4	
Sodium percarbonate	15630-89-4	20	

*The exact percentage (concentration) of composition has been withheld as a trade secret.

(" :-FGH' 5-8' A95G I F9G

:]fgh' U]X' a YUg i fYg

9mY' WcbhUWh

Flush immediately with water for 15 minutes. Lift upper and lower eyelids for complete rinsing. Get immediate medical attention.

G_]b' 7 cbhUWh

Flush with water for 15 minutes. If irritation persists after rinsing, get medical attention. Remove contaminated clothing and wash before reuse.

-b \U' Uh]cb

Remove victim to fresh air. If breathing difficulty occurs or persists, get medical attention.

-b [Ygh]cb

Rinse mouth with water. Give water to dilute. Do not induce vomiting. Get immediate medical attention. Never give anything by mouth to a semi-comatose, comatose, convulsing or unconscious person.

A cgh'] a dcfhUbh' gm a dhc a g' UbX' YZZYWhgZ' Vch \ 'UW i hY' UbX' XY' UmYX

Gm a dhc a g

No information available.

=bX]WUh]cb' cZ' Ubm'] a a YX]UhY' a YX]WU' 'UhYbh]cb' UbX' gdYW]U' 'hfYUh a Ybh' bYYXYX

BchY' hc' d \mg]W]Ubg

Treat symptomatically.

)" :-F9! :-: ; <H=B ; ' A95G I F9G

G i]hUV' Y' YIh]b [i]g \]b [' a YX]U

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

I bgi]hUV' Y' YIh]b [i]g \]b [' a YX]U No information available.

GdYW]Z]W' \UnUfXg' Uf]g]b ['Zfc a 'h \Y' W \Y a]WU'

No information available.

9] d' cg]cb' XUhU'

GYbg]h] j]hm' hc' AYW \Ub]WU' :- a dUWh None.

GYbg]h] j]hm' hc' GhUh]W' 8]gW \Uf [Y None.

DfchYWh] jY'Ye i]d a Ybh'UbX' dfYWU i h]cbg'Zcf'Z]fYZ] [\hYfg

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

***" 577=89BH5@'F9@95G9'A95G I F9G**

DYfgcbU' dfYWU i h]cbg'ZdfchYWh] jY'Ye i]d a Ybh'UbX'Y a Yf [YbWm' dfcWYX i fYg''

DYfgcbU' dfYWU i h]cbg Avoid contact with eyes. Wash thoroughly after handling.

9b j]fcb a YbhU' dfYWU i h]cbg See Section 12 for additional ecological information.

A Yh \ cXg'Zcf'WcbhU]b a Ybh No information available.

A Yh \ cXg'Zcf'WYU]b [' i d Recover as much material as possible into containers for disposal or reuse. Remaining material may be diluted with water and neutralized. Flush spill area with water. Neutralization products, both solid and liquid, must be recovered for disposal.

+" <5B8@=B ; '5B8'GHCF5 ; 9

DfYWU i h]cbg'Zcf'gUZY' \UbX']b [

5X j]WY' cb'gUZY' \UbX']b [Use personal protective equipment as required. Avoid contact with skin and eyes. Wash thoroughly after handling.

7cbX]h]cbg'Zcf'gUZY'ghcfU [Yz']bW' i X]b ['Ubm']bWc a dUh]V']h]Yg

GhcfU [Y' 7cbX]h]cbg Keep in a dry, cool and well-ventilated place. Keep container tightly closed.

=bWc a dUh]V'Y' a UhYf]U' g Strong oxidizing agents. Strong acids. Aluminum.

, " 9LDCG I F9'7CBHFC@G#D9FGCB5@'DFCH97H-CB

7cbhfc' dUfU a YhYfg''

**9 ldcg i fY' ; i]XY']bYg
5ddfcd]UhY'Yb []bYf]b ['Wcbhfc' g**

Showers
Eyewash stations
Ventilation systems.

=bX] j]X i U' dfchYWh]cb' a YUg i fYg'z' g i W \ 'Ug' dYfgcbU' dfchYWh] jY'Ye i]d a Ybh

9mY#ZUWY' dfchYWh]cb Wear safety glasses with side shields (or goggles). Avoid contact with eyes.

G_]b'UbX'VcXm' dfchYWh]cb Not required for normal use. If contact is likely, wear protective gloves. If contact is likely, wear protective clothing appropriate to use conditions.

FYgd]fUhcfm' dfchYWh]cb If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

; YbYfU' <m []YbY' 7cbg]XYfUh]cbg Handle in accordance with good industrial hygiene and safety practice.

- " D<MG=75@'5B8'7<9A=75@'DFCD9FH-9G

=bZcf a Uh]cb'cb'VUg]W'd \mg]WU' UbX'W \Y a]WU' dfcdYfh]Yg

D \ m g] W U ' ' g h U h Y 5 d d Y U f U b W Y 7 c ' c f	Solid powder White powder with brown flecks	CXcf CXcf \ h \ f Y g \ c ' X	None No information available
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<u>DfcdYfhm'</u>	<u>JU' i Yg''</u>	<u>Remarks • Method</u>	
d <	10.8	1% Solution	
AY'h]b ['dc]bh#zfYYn]b ['dc]bh 6c]]b ['dc]bh# 'Vc']b ['fUb [Y : 'Ug \ 'dc]bh	No information available		
9 j U d c f U h] c b ' f U h Y : ' U a a U V] ' h m ' f i g c '] X z ' [U g t : ' U a a U V] ' h m ' @] a] h] b ' 5] f I d d Y f ' Z ' U a a U V] ' h m ' '] a] h . @ c k Y f ' Z ' U a a U V] ' h m ' '] a] h .	No information available No information available No information available No information available		
JU d c f ' d f Y g g i f Y	No information available		
JU d c f ' X Y b g] h m	No information available		
G d Y W] Z] W ' ; f U j] h m	No information available		
K U h Y f ' g c ' i V] ' h m	completely soluble		
G c ' i V] ' h m] b ' c h \ Y f ' g c ' j Y b h g	No information available		
D U f h] h] c b ' W c Y Z Z] W] Y b h	No information available		
5 i h c] [b] h] c b ' h Y a d Y f U h i f Y	No information available		
8 Y W c a d c g] h] c b ' h Y a d Y f U h i f Y	No information available		
?] b Y a U h] W ' j] g W c g] h m	No information available		
8 m b U a] W ' j] g W c g] h m	No information available		
9 I d ' c g] j Y ' d f c d Y f h] Y g	No information available		
C I] X] n] b [' d f c d Y f h] Y g	No information available		

Ch \ Y f ' = b Z c f a U h] c b

GcZhYb]b ['dc]bh	No information available
Ac`YW i`Uf`kY][\h	No information available
JC7`7cbhYbh`fl`i`l	No information available
8Ybg]hm	No information available
6 i ` _ X Y b g] h m	No information available

% \$ " GH56=@=HM`5B8`F957H=J=HM

FYUWh]j]hm''
No data available

7 \ Y a] W U ' ' g h U V] '] h m
Stable under recommended storage conditions.

Dcgg[V]] h m ' c Z ' < U n U f X c i g ' F Y U W h] c b g
None under normal processing.

7 c b X] h] c b g ' h c ' U j c] X
Extremes of temperature and direct sunlight.

= b W c a d U h] V ' Y ' a U h Y f] U ' g
Strong oxidizing agents. Strong acids. Aluminum.

< U n U f X c i g ' 8 Y W c a d c g] h] c b ' D f c X i W h g
Thermal decomposition may yield carbon monoxide and carbon dioxide.

% % " HCL=7C@C ; =75@`=B : CFA5H=CB

<u>= b Z c f a U h] c b ' c b ' '] Y ' m ' f c i h Y g ' c Z ' Y I d c g i f Y ' '</u>	
DfcXiWh`=bZcf a Uh]cb	No data available

- b \ U'Uh]cb No data available.
- 9mY'WcbhUWh Risk of serious damage to eyes. Avoid contact with eyes. Wash thoroughly after handling.
- G_]b' 7cbhUWh Repeated or prolonged contact may cause irritation and drying to skin in sensitive individuals. Repeated or prolonged skin contact may cause allergic reactions with susceptible persons. Contact causes severe skin irritation and possible burns.
- b [Ygh]cb No data available.

7 \ Y a]WU' BU a Y	CfU' @8) \$	8Yf a U' @8) \$	-b \ U'Uh]cb' @7) \$
Sodium carbonate 497-19-8	= 4090 mg/kg (Rat)	-	= 2300 mg/m ³ (Rat) 2 h
Sodium percarbonate 15630-89-4	= 1034 mg/kg (Rat)	-	-

-bZcf a Uh]cb' cb' hc I]Wc' c []WU' YZZYWhg''

Gm a dhc a g No information available.

8Y'UmYX'UbX'] a a YX]UhY' YZZYWhg' Ug' k Y'' Ug' W \ fcb]W' YZZYWhg' Zfc a ' g \ cfh' UbX'' cb [!hYf a ' Yldcg ifY''

- G_]b' Wcffcg]cb#]ff]hUh]cb Irritating to skin.
- GYf]c i g' YmY' XU a U [Y#YmY']ff]hUh]cb Risk of serious damage to eyes.
- ff]hUh]cb Irritating to skin. Moderately irritating to the eyes.
- 7cffcg] j]hm Risk of serious damage to eyes.
- GYbg]h]nUh]cb No information available.
- ; Yf a ' WY'' a i hU [Yb]W]hm No information available.
- 7UfW]bc [Yb]W]hm No information available.
- FYdfcX i Wh] j Y' hc I]W]hm No information available.
- GHCH' ! g]b [' Y' Yldcg ifY No information available.
- GHCH' ! fYdYUhYX' Yldcg ifY No information available.
- 5gd]fUh]cb \ \ UnUfX No information available.

B i a Yf]WU' a YUg i fYg' cZ' hc I]W]hm'' !' DfcX i Wh' -bZcf a Uh]cb''

- I b_ bckb' 5W i hY' Hc I]W]hm 11.6% of the mixture consists of ingredient(s) of unknown toxicity
- H \ Y' zc' c k]b [' jU' i Yg' UfY' WU' W i ' UhYX' VUgYX' cb' W \ UdYf' ' "%' cZ' h \ Y' ; <G' XcW i a Ybh''
- 5H9 a] I' fcfU' 2227 mg/kg
- 5H9 a] I' fXYf a U' 16362 mg/kg
- 5H9 a] I' f]b \ U' Uh]cb! X i gh# a]gh 4.3 mg/l

% & " 97C@C ; =75@' =B : CFA5H-CB

9Wchc I]W]hm'

46.6% of the mixture consists of components(s) of unknown hazards to the aquatic environment

7 \ Y a]WU' BU a Y	5' [UY#Ue i Uh]W' d' Ubhg	:]g \	7f i ghUWYU
Sodium carbonate 497-19-8	242: 120 h Nitzschia mg/L EC50	300: 96 h Lepomis macrochirus mg/L LC50 static 310 - 1220: 96 h Pimephales promelas mg/L LC50 static	265: 48 h Daphnia magna mg/L EC50
Sodium percarbonate 15630-89-4	-	70.7: 96 h Pimephales promelas mg/L LC50 static	4.9: 48 h Daphnia pulex mg/L EC50

DYfg]ghYbWY' UbX' XY [fUXUV]]hm

No information available.

6]cUWW i a i' Uh]cb

No information available.

Ch \ Yf' UX j YfgY' YZZYWhg'

No information available

% " 8=GDCG5@' 7 CBG=89F5H-CBG

KUghY' hfYUha Ybh' a Yh\ cXg

8]gdcgU' cZ' kUghYg

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

7cbhUa]bUhYX' dUW_U[]]b[

Rinse empty container and offer for recycling.

7\Ya]WU' BUaY	7U']zcfb]U' <UnUfXc ig' KUghY' GhUhg
Sodium carbonate 497-19-8	Corrosive
Sodium percarbonate 15630-89-4	Ignitable

% (" HF5BGDCFH' -B : CFA5H-CB

8CH'

This product can ship as a LTD QTY if packaged in <11 lbs. per container (Non Hazardous)

I B#-8' Bc"

UN3378

DfcdYf'g\]dd]b['bUaY

Sodium Carbonate Peroxyhydrate

<UnUfXc ig']b[fYX]Ybhg

<UnUfX' 7' Ugg

PG III

DUW_]b[' ; fc id

Hazard Class: 5.1

%) " F9 ; I @5HCFM' -B : CFA5H-CB

=bhYfbUh]cbU' -b jYbhcf]Yg'

HG75

Complies

8G@#B8G@

Complies

9-B97G#9@-B7G

Complies

9B7G

Complies

-97G7

Complies

?97@

Complies

D-77G

Complies

5-7G

Complies

@Y[YbX.'

HG75' - United States Toxic Substances Control Act Section 8(b) Inventory

8G@#B8G@' - Canadian Domestic Substances List/Non-Domestic Substances List

9-B97G#9@-B7G' - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

9B7G' - Japan Existing and New Chemical Substances

=97G7' - China Inventory of Existing Chemical Substances

?97@' - Korean Existing and Evaluated Chemical Substances

D-77G' - Philippines Inventory of Chemicals and Chemical Substances

5-7G' - Australian Inventory of Chemical Substances

I G' : YXYfU' ' FY [i ' Uh]cbg'

G5F5' '%'

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

G5F5' '%#%'&' <UnUfX' 7UhY[cf]Yg'

5WihY' \YU'h\ \UnUfX

Yes

7\]fcb]W' <YU'h\ \<UnUfX

No

:]fY' \UnUfX

No

G iXXYb'fY'YUgY'cZ'dfYgg i fY' \UnUfX No
FYUWh]jY' <UnUfX No

7 K 5'fl7'YUb' KUhYf'5WhL

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

79F7@5

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

I G'GhUhY'FY[i'Uh]cbg'

7U'Zcfb]U'Dfcdcg]h]cb'*)

This product does not contain any Proposition 65 chemicals

I"G"GhUhY'F][\h!hc! ?bc k'FY[i'Uh]cbg

I"G"9D5'@UVY':-bZcf a Uh]cb''

9D5'DYgh]W]XY'FY[]ghfUh]cb'B i a VYf Not Applicable

%*" CH<9F'=B : CFA5H=CB

B : D5''	<YU'h' \ \UnUfXg''1	: 'Ua a UV]']hm''0	=bghUV]']hm''0	D \mg]WU''UbX'7 \Ya]WU'
<A=G''	<YU'h' \ \UnUfXg''1	: 'Ua a UV]']hm''0	D \mg]WU'' \UnUfXg''0	DfcdYfh]Yg''- DYfgcbU''dfchYWh]cb''X

DfYdUfYX'6m kcs
-gg i Y'8UhY 09-Feb-2015
FY j]g]cb'8UhY 15-Sept-2017
FY j]g]cb' BchY

15-Sept-2017 Updated/Standardized DoT wording in Sections 1 and 14

8]gW'U]a Yf

H \Y']bZcf a Uh]cb' dfc j]XYX']b'h \]g' AUhYf]U''GUZYhm'8UhU'G \YYh']g' WcffYWh'hc'h \Y' VYgh' cZ' c i f' _bc k' YX [Yz']bZcf a Uh]cb' UbX' VY']YZ
Uh'h \Y' XUhY' cZ']hg' d i V']WUh]cb'' H \Y']bZcf a Uh]cb' []j Yb']g' XYg] [bYX' cb' m' Ug' U' [i]XUbWY'Zcf' gUZY' \UbX']b [z' i gYz' dfcWYgg]b [z'
ghcfU [Yz' hfUbgdcfhUh]cbz' X]gdcgU' UbX' fY' YUgY' UbX']g' bch' hc' VY' Wcbg]XYfYX' U' kUffUbhm' cf' e i U']hm' gdYW]Z]WUh]cb'' H \Y'
]bZcf a Uh]cb' fY' UhYg' cb' m' hc' h \Y' gdYW]Z]W' a UhYf]U' XYg] [bUhYX' UbX' a Um' bch' VY' jU']X'Zcf' g i W \ a UhYf]U' i gYX']b' Wc a V]bUh]cb'
k]h \ Ubm' ch \ Yf' a UhYf]U' g' cf']b' Ubm' dfcWYggz' i b' Ygg' gdYW]Z]YX']b' h \Y' hY I h"

9bX'cZ'GUZYhm'8UhU'G \YYh