# SAFETY DATA SHEET



# 1. Identification

Product identifier	Sulfidic Caustic Solution
Other means of identification	
Product number	GENLP-TDC-003
Recommended use	Product is a unique alkaline material, playing a vital role in many industrial processes. TDC offers sulfidic caustic solutions as an additional source of sodium and sulfur.
Recommended restrictions	None known.
Manufacturer/Importer/Supplier/E	Distributor information
Manufacturer	TDC, L.L.C. and TDC Services, LLC
Address	1916 Farmerville Hwy
	Ruston, LA 71270
Telephone	Customer Service (800) 422-6274
Email	TDCcustomerservice@genlp.com
CHEMTREC:	800-424-9300 (Domestic – North America)
CHEMTREC:	+1-703-527-3887 (International)

# 2. Hazard(s) identification

Physical hazards	Corrosive to metals	Category 1
Health hazards	Acute toxicity, oral	Category 4
	Acute toxicity, dermal	Category 4
	Skin corrosion/irritation	Category 1A
	Serious eye damage/eye irritation	Category 1
Environmental hazards	Hazardous to the aquatic environment, acute hazard	Category 1
OSHA defined hazards	Not classified.	

Label elements



Signal word	Danger
Hazard statement	May be corrosive to metals. Harmful if swallowed. Harmful in contact with skin. Causes severe skin burns and eye damage. Very toxic to aquatic life.
Precautionary statement	
Prevention	Keep only in original container. Do not breathe mist/vapors. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Avoid release to the environment. Wear protective gloves/protective clothing/eye protection/face protection.
Response	If swallowed: Rinse mouth. Do NOT induce vomiting. If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. If inhaled: Remove person to fresh air and keep comfortable for breathing. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center/doctor. Absorb spillage to prevent material damage.
Storage	Store locked up. Store in corrosive resistant container with a resistant inner liner.
Disposal	Dispose of contents/container in accordance with local/regional/national/international regulations
Hazard(s) not otherwise classified (HNOC)	None known.
Supplemental information	None.



### 3. Composition/information on ingredients

#### Mixtures

Chemical name		CAS number	%
Sodium sulfide		1313-82-2	2 - 15
Sodium hydroxide		1310-73-2	0 - 15
Sodium hydrosulfide		16721-80-5	0 - 5
Sodium carbonate		497-19-8	0 - 4
Composition comments	All concentrations are in percent by we percent by volume. Components not lis	ight unless ingredient is a gas. Gas ted are either non-hazardous or are	concentrations are in e below reportable limits.
4. First-aid measures			
Inhalation	Move to fresh air. Call a physician if sy	mptoms develop or persist.	
Skin contact	Take off immediately all contaminated of poison control center immediately. Che contaminated clothing before reuse.	clothing. Rinse skin with water/shov mical burns must be treated by a p	ver. Call a physician or hysician. Wash
Eye contact	Do not rub eyes. Immediately flush eye eyewash station. Remove contact lense physician or poison control center imme	es with plenty of water for at least 15 es, if present and easy to do. Contin ediately.	o minutes. Provide nue rinsing. Call a
Ingestion	Call a physician or poison control center vomiting occurs, keep head low so that	er immediately. Rinse mouth. Do no stomach content doesn't get into th	t induce vomiting. If ne lungs.
Most important symptoms/effects, acute and delayed	Burning pain and severe corrosive skin include stinging, tearing, redness, swel blindness could result. Causes digestiv	damage. Causes serious eye dam ling, and blurred vision. Permanent e tract burns.	age. Symptoms may eye damage including
Indication of immediate medical attention and special treatment needed	Provide general supportive measures a immediately. While flushing, remove clo ambulance. Continue flushing during tra observation. Symptoms may be delaye	and treat symptomatically. Chemica othes which do not adhere to affecte ansport to hospital. Keep victim war d.	l burns: Flush with water ed area. Call an rm. Keep victim under
General information	Ensure that medical personnel are awa protect themselves. Show this safety data	re of the material(s) involved, and t ata sheet to the doctor in attendanc	ake precautions to e.
5. Fire-fighting measures			
Suitable extinguishing media	Use fire-extinguishing media appropriation	te for surrounding materials.	
Unsuitable extinguishing media	No restrictions known.		
Specific hazards arising from the chemical	During fire, gases hazardous to health when this material is heated. Do not de	may be formed. Hydrogen sulfide (I pend on sense of smell for warning	H2S) may be given off
Special protective equipment and precautions for firefighters	Self-contained breathing apparatus and	d full protective clothing must be wo	rn in case of fire.
Fire fighting equipment/instructions	Cool containers exposed to heat with w	vater spray and remove container, it	f no risk is involved.
Specific methods	Use standard firefighting procedures ar	nd consider the hazards of other inv	olved materials.
6. Accidental release mea	sures		
Personal precautions,	Keep unnecessary personnel away. Ke	ep people away from and upwind c	f spill/leak. Wear

Personal precautions, protective equipment and emergency procedures Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Do not breathe mist or vapor. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.



Methods and materials for containment and cleaning up	This material is classified as a water pollutant under the Clean Water Act and should be prevented from contaminating soil or from entering sewage and drainage systems which lead to waterways.
	Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Absorb spillage to prevent material damage. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Recover as much material as possible.
	Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination. For waste disposal, see section 13 of the SDS. Recover the product and place in a suitable container for reuse. Neutralization/oxidation of residue using dilute bleach or peroxide. Recover as much product as possible.
Environmental precautions	Avoid release to the environment. Inform appropriate managerial or supervisory personnel of all environmental releases. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground.
7. Handling and storage	
Precautions for safe handling	Do not breathe mist or vapor. Do not get in eyes, on skin, or on clothing. Do not taste or swallow. Hydrogen sulfide, a very toxic gas, may be present with this material. Keep face clear of tank and/or tank car openings. When using, do not eat, drink or smoke. Provide adequate ventilation. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Avoid release to the environment. Observe good industrial hygiene practices.
Conditions for safe storage, including any incompatibilities	Store locked up. Store in a cool, dry place out of direct sunlight. Store in corrosive resistant container with a resistant inner liner. Keep only in the original container. Store away from incompatible materials (see Section 10 of the SDS). Protect from heat and direct sunlight. Store at temperature below 150°F. Provide appropriate secondary containment.

# 8. Exposure controls/personal protection

#### Occupational exposure limits

US. OSHA Table Z-1 Limits f Components	or Air Contaminants (29 CFR 1910.1 Type	l000) Value
Sodium hydroxide (CAS 1310-73-2)	PEL	2 mg/m3
US. ACGIH Threshold Limit	Values	
Components	Туре	Value
Sodium hydroxide (CAS 1310-73-2)	Ceiling	2 mg/m3
US. NIOSH: Pocket Guide to	Chemical Hazards	
Components	Туре	Value
Sodium hydroxide (CAS 1310-73-2)	Ceiling	2 mg/m3
Biological limit values	No biological exposure limits noted for	or the ingredient(s).
Appropriate engineering controls	Good general ventilation should be u applicable, use process enclosures, maintain airborne levels below recon established, maintain airborne levels shower must be available when hand	used. Ventilation rates should be matched to conditions. If local exhaust ventilation, or other engineering controls to nmended exposure limits. If exposure limits have not been to an acceptable level. Eye wash facilities and emergency dling this product.
Individual protection measures,	such as personal protective equipm	nent
Eye/face protection	Wear chemical splash goggles and f	ace shield.
Skin protection Hand protection	Neoprene gloves are recommended.	Wear appropriate chemical resistant gloves.
Skin protection		
Other	Wear appropriate chemical resistant	clothing.
Respiratory protection	In case of insufficient ventilation, wea	ar suitable respiratory equipment.
Thermal hazards	Wear appropriate thermal protective	equipment.
General hygiene considerations	Keep away from food and drink. Alwa washing after handling the material a work clothing and protective equipme	ays observe good personal hygiene measures, such as and before eating, drinking, and/or smoking. Routinely wash ent to remove contaminants.



# 9. Physical and chemical properties

Appearance	
Physical state	Liquid.
Form	Liquid.
Color	Light to dark brown to green or red.
Odor	Hydrocarbon or mercaptan odor, possibly also hydrogen sulfide (rotten egg).
Odor threshold	Not available.
рН	11.5 - 13.5
Melting point/freezing point	Not available.
Initial boiling point and boiling range	> 212 °F (> 100 °C)
Flash point	Not available.
Evaporation rate	Not available.
Flammability (solid, gas)	Not applicable.
Upper/lower flammability or expl	osive limits
Flammability limit - lower (%)	Not available.
Flammability limit - upper (%)	Not available.
Explosive limit - lower (%)	Not available.
Explosive limit - upper (%)	Not available.
Vapor pressure	17 - 18 mm Hg (20°C / 68°F)
Vapor density	1.17 (Air = 1)
Relative density	1.1 - 1.3 (Water = 1)
Solubility(ies)	
Solubility (water)	Completely soluble in water.
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
Viscosity	Not available.
Other information	
Explosive properties	Not explosive.
Oxidizing properties	Not oxidizing.
Pounds per gallon	9.16 - 10.83 lbs/gal
10. Stability and reactivity	
Reactivity	Reacts violently with strong acids. This product may react with oxidizing agents. May be corrosive to metals.
Chemical stability	Material is stable under normal conditions.
Possibility of hazardous reactions	Contact with strong acids will release highly flammable and highly toxic hydrogen sulfide gas. Sodium hydroxide solution will react with trichloroethylene to form dichloroacetylene which is spontaneously flammable.
Conditions to avoid	Contact with incompatible materials. Heat, sparks, flames, elevated temperatures. Do not mix with other chemicals.
Incompatible materials	Acids. Oxidizing agents. Trichloroethylene. Nitromethane. Organic peroxides. Organic halogens.
Hazardous decomposition products	Hydrogen sulfide. Contact with water produces heat, as well as toxic and corrosive fumes. Contact with metals may evolve flammable hydrogen gas. Thermal decomposition or combustion may produce: Sodium oxides. Carbonates. Peroxides.

# 11. Toxicological information

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### Information on likely routes of exposure

Inhalation	May cause irritation to the respiratory system.	
Skin contact	Causes severe skin burns. Harmful in contact with skin.	
	Sulfidic Caustic Solution	SDS US
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Eye contact	Causes seriou	s eye damage.	
Ingestion	Causes digest	ive tract burns. Harmful if swallowed.	
Symptoms related to the physical, chemical and toxicological characteristics	Burning pain a include stingin blindness coul	nd severe corrosive skin damage. Caus g, tearing, redness, swelling, and blurre d result. Causes digestive tract burns.	es serious eye damage. Symptoms may d vision. Permanent eye damage including
Information on toxicological effe	ects		
Acute toxicity	Harmful if swa	llowed. Harmful in contact with skin.	
Components	Species		Test Results
Sodium hydrosulfide (CAS 16721-	80-5)		
<u>Acute</u> Oral LD50	Rat		100 - 215 mg/kg
Sodium sulfide (CAS 1313-82-2) <u>Acute</u> Oral			
LD50	Rat		208 mg/kg
Skin corrosion/irritation	Causes severe	e skin burns.	
Serious eye damage/eye irritation	Causes seriou	s eye damage.	
Respiratory or skin sensitization	า		
Respiratory sensitization	Not a respirato	ory sensitizer.	
Skin sensitization	This product is	not expected to cause skin sensitizatio	n.
Germ cell mutagenicity	No data availa mutagenic or g	ble to indicate product or any componer jenotoxic.	nts present at greater than 0.1% are
Carcinogenicity	This product is	not considered to be a carcinogen by I	ARC, ACGIH, NTP, or OSHA.
IARC Monographs. Overall I	Evaluation of Ca	arcinogenicity	
Not listed. NTP Report on Carcinogens	5		
Not listed. OSHA Specifically Regulate	d Substances (	29 CFR 1910.1001-1053)	
Not listed.			
Reproductive toxicity	This product is	not expected to cause reproductive or	developmental effects.
Specific target organ toxicity - single exposure	Not classified.		
Specific target organ toxicity - repeated exposure	Not classified.		
Aspiration hazard	Not an aspirati	on hazard.	
Further information	No other speci	fic acute or chronic health impact noted	
12. Ecological information	1		
Ecotoxicity	Very toxic to a	quatic life.	
Components		Species	Test Results
Sodium carbonate (CAS 497- Aquatic	19-8)		
Acute			
Crustacea	EC50	Ceriodaphnia dubia	200 mg/l, 48 Hours
Fish	LC50	Lepomis macrochirus	300 mg/l, 96 Hours
Sodium hydrosulfide (CAS 16 Aquatic Acute	721-80-5)		
Fish	LC50	Lepomis macrochirus	> 0.0478 mg/l, 96 Hours



Components		Species	Test Results
Chronic			
Fish	LOAEL	Lepomis macrochirus	> 0.0041 mg/l, 97 days
Sodium hydroxide (CAS 1310-	-73-2)		
Aquatic			
Acute			
Crustacea	EC50	Ceriodaphnia dubia	40.4 mg/l, 48 Hours
Sodium sulfide (CAS 1313-82-	-2)		
Aquatic			
Acute			
Crustacea	LC50	Crustacea	0.08 mg/l, 48 Hours
Persistence and degradability	No data is avai	lable on the degradability of this product.	
Bioaccumulative potential	No data availal	ole.	
Mobility in soil	This product is	water soluble and may disperse in soil.	
Other adverse effects	The product ma organisms.	ay affect the acidity (pH-factor) in water wi	th risk of harmful effects to aquatic
13. Disposal consideration	IS		
Disposal instructions	Collect and rec this material to with chemical c local/regional/n	laim or dispose in sealed containers at lice drain into sewers/water supplies. Do not o or used container. Dispose of contents/con ational/international regulations.	ensed waste disposal site. Do not allow contaminate ponds, waterways or ditches tainer in accordance with
Local disposal regulations	Dispose in acc	ordance with all applicable regulations.	
Hazardous waste code	D002: Waste C D003: Waste R The waste code disposal compa	Corrosive material [pH <=2 or =>12.5, or c Reactive material e should be assigned in discussion betwee any.	orrosive to steel] en the user, the producer and the waste
Waste from residues / unused products	Dispose of in a product residue	ccordance with local regulations. Empty c es. This material and its container must be	ontainers or liners may retain some disposed of in a safe manner.
Contaminated packaging	Since emptied emptied. Empty disposal.	containers may retain product residue, fol y containers should be taken to an approv	ow label warnings even after container is ed waste handling site for recycling or
14. Transport information			
DOT			
UN number	UN3266		
UN proper shipping name	Corrosive liquid	d, basic, inorganic, n.o.s. (Sodium Hydrosi	ulfide, Sodium Hydroxide)
fransport hazard class(es)	0		
Glass Subsidiary risk	o -		

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-
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Yes
Read safety instructions, SDS and emergency procedures before handling.
B2, IB2, T11, TP2, TP27
154
202
242
UN3266
Corrosive liquid, basic, inorganic, n.o.s. (Sodium Hydrosulfide, Sodium Hydroxide)
8
-
8
II
Yes



**Special precautions for user** Read safety instructions, SDS and emergency procedures before handling. **MDG** 

UN number	UN3266
UN proper shipping name Transport hazard class(es)	Corrosive liquid, basic, inorganic, n.o.s. (Sodium Hydrosulfide, Sodium Hydroxide)
Class	8
Subsidiary risk	-
Packing group	II
Environmental hazards	
Marine pollutant	Yes
EmS	F-A, S-B
Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.
Transport in bulk according to	Not applicable.
Annex II of MARPOL 73/78 and	
the IBC Code	
15. Regulatory information	
US federal regulations	This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.
TSCA Section 12(b) Exp	ort Notification (40 CFR 707, Subpt. D)
Not regulated. CERCLA Hazardous Sub	stance List (40 CFR 302.4)
Sodium hydrosulfide (	CAS 16721-80-5) Listed.
Sodium hydroxide (C	AS 1310-73-2) Listed.
SARA 304 Emergency re	lease notification
Not regulated.	
OSHA Specifically Regu	lated Substances (29 CFR 1910.1001-1053)
Not listed.	
Toxic Substances Control A	All components of the mixture on the TSCA 8(b) inventory are designated "active".
Superfund Amendments and Rea	uthorization Act of 1986 (SARA)
SARA 302 Extremely hazard	ous substance
SARA 302 Extremely hazard Not listed.	ous substance
SARA 302 Extremely hazard Not listed. SARA 311/312 Hazardous	Yes
SARA 302 Extremely hazard Not listed. SARA 311/312 Hazardous chemical	Yes
SARA 302 Extremely hazard Not listed. SARA 311/312 Hazardous chemical Classified hazard	Yes Corrosive to metal
SARA 302 Extremely hazard Not listed. SARA 311/312 Hazardous chemical Classified hazard categories	Yes Corrosive to metal Acute toxicity (any route of exposure)
SARA 302 Extremely hazard Not listed. SARA 311/312 Hazardous chemical Classified hazard categories	Yes Corrosive to metal Acute toxicity (any route of exposure) Skin corrosion or irritation
SARA 302 Extremely hazard Not listed. SARA 311/312 Hazardous chemical Classified hazard categories	Yes Corrosive to metal Acute toxicity (any route of exposure) Skin corrosion or irritation Serious eye damage or eye irritation
SARA 302 Extremely hazard Not listed. SARA 311/312 Hazardous chemical Classified hazard categories SARA 313 (TRI reporting)	Yes Corrosive to metal Acute toxicity (any route of exposure) Skin corrosion or irritation Serious eye damage or eye irritation
SARA 302 Extremely hazard Not listed. SARA 311/312 Hazardous chemical Classified hazard categories SARA 313 (TRI reporting) Not regulated.	Yes Corrosive to metal Acute toxicity (any route of exposure) Skin corrosion or irritation Serious eye damage or eye irritation
SARA 302 Extremely hazard Not listed. SARA 311/312 Hazardous chemical Classified hazard categories SARA 313 (TRI reporting) Not regulated. Other federal regulations	Yes Corrosive to metal Acute toxicity (any route of exposure) Skin corrosion or irritation Serious eye damage or eye irritation
SARA 302 Extremely hazard Not listed. SARA 311/312 Hazardous chemical Classified hazard categories SARA 313 (TRI reporting) Not regulated. Other federal regulations Clean Air Act (CAA) Section	Yes Corrosive to metal Acute toxicity (any route of exposure) Skin corrosion or irritation Serious eye damage or eye irritation
SARA 302 Extremely hazard Not listed. SARA 311/312 Hazardous chemical Classified hazard categories SARA 313 (TRI reporting) Not regulated. Other federal regulations Clean Air Act (CAA) Section Not regulated.	Yes Corrosive to metal Acute toxicity (any route of exposure) Skin corrosion or irritation Serious eye damage or eye irritation
SARA 302 Extremely hazard Not listed. SARA 311/312 Hazardous chemical Classified hazard categories SARA 313 (TRI reporting) Not regulated. Other federal regulations Clean Air Act (CAA) Section Not regulated. Clean Air Act (CAA) Section	Yes Corrosive to metal Acute toxicity (any route of exposure) Skin corrosion or irritation Serious eye damage or eye irritation 112 Hazardous Air Pollutants (HAPs) List 112(r) Accidental Release Prevention (40 CFR 68.130)
SARA 302 Extremely hazard Not listed. SARA 311/312 Hazardous chemical Classified hazard categories SARA 313 (TRI reporting) Not regulated. Other federal regulations Clean Air Act (CAA) Section Not regulated. Clean Air Act (CAA) Section Not regulated.	Yes Corrosive to metal Acute toxicity (any route of exposure) Skin corrosion or irritation Serious eye damage or eye irritation
SARA 302 Extremely hazard Not listed. SARA 311/312 Hazardous chemical Classified hazard categories SARA 313 (TRI reporting) Not regulated. Other federal regulations Clean Air Act (CAA) Section Not regulated. Clean Air Act (CAA) Section Not regulated. Safe Drinking Water Act (SDWA)	Yes Corrosive to metal Acute toxicity (any route of exposure) Skin corrosion or irritation Serious eye damage or eye irritation 112 Hazardous Air Pollutants (HAPs) List 112(r) Accidental Release Prevention (40 CFR 68.130) Contains component(s) regulated under the Safe Drinking Water Act.
SARA 302 Extremely hazard Not listed. SARA 311/312 Hazardous chemical Classified hazard categories SARA 313 (TRI reporting) Not regulated. Other federal regulations Clean Air Act (CAA) Section Not regulated. Clean Air Act (CAA) Section Not regulated. Safe Drinking Water Act (SDWA) US state regulations	Yes Corrosive to metal Acute toxicity (any route of exposure) Skin corrosion or irritation Serious eye damage or eye irritation 112 Hazardous Air Pollutants (HAPs) List 112(r) Accidental Release Prevention (40 CFR 68.130) Contains component(s) regulated under the Safe Drinking Water Act.
SARA 302 Extremely hazard Not listed. SARA 311/312 Hazardous chemical Classified hazard categories SARA 313 (TRI reporting) Not regulated. Other federal regulations Clean Air Act (CAA) Section Not regulated. Clean Air Act (CAA) Section Not regulated. Safe Drinking Water Act (SDWA) US state regulations US. Massachusetts RTK - Su	Yes Corrosive to metal Acute toxicity (any route of exposure) Skin corrosion or irritation Serious eye damage or eye irritation <b>112 Hazardous Air Pollutants (HAPs) List</b> <b>112(r) Accidental Release Prevention (40 CFR 68.130)</b> Contains component(s) regulated under the Safe Drinking Water Act. <b>bstance List</b>
SARA 302 Extremely hazard Not listed. SARA 311/312 Hazardous chemical Classified hazard categories SARA 313 (TRI reporting) Not regulated. Other federal regulations Clean Air Act (CAA) Section Not regulated. Clean Air Act (CAA) Section Not regulated. Safe Drinking Water Act (SDWA) US state regulations US. Massachusetts RTK - Su Sodium hydrosulfide (CAS	Yes Corrosive to metal Acute toxicity (any route of exposure) Skin corrosion or irritation Serious eye damage or eye irritation <b>112 Hazardous Air Pollutants (HAPs) List</b> <b>112(r) Accidental Release Prevention (40 CFR 68.130)</b> Contains component(s) regulated under the Safe Drinking Water Act. <b>bstance List</b> 16721-80-5)
SARA 302 Extremely hazard Not listed. SARA 311/312 Hazardous chemical Classified hazard categories SARA 313 (TRI reporting) Not regulated. Other federal regulations Clean Air Act (CAA) Section Not regulated. Clean Air Act (CAA) Section Not regulated. Clean Air Act (CAA) Section Not regulated. Safe Drinking Water Act (SDWA) US state regulations US. Massachusetts RTK - Su Sodium hydrosulfide (CAS	Yes Corrosive to metal Acute toxicity (any route of exposure) Skin corrosion or irritation Serious eye damage or eye irritation <b>112 Hazardous Air Pollutants (HAPs) List</b> <b>112(r) Accidental Release Prevention (40 CFR 68.130)</b> Contains component(s) regulated under the Safe Drinking Water Act. <b>bstance List</b> 16721-80-5) 310-73-2)
SARA 302 Extremely hazard Not listed. SARA 311/312 Hazardous chemical Classified hazard categories SARA 313 (TRI reporting) Not regulated. Other federal regulations Clean Air Act (CAA) Section Not regulated. Clean Air Act (CAA) Section Not regulated. Safe Drinking Water Act (SDWA) US state regulations US. Massachusetts RTK - Su Sodium hydrosulfide (CAS Sodium hydroxide (CAS 1 Sodium sulfide (CAS 1313)	Yes Corrosive to metal Acute toxicity (any route of exposure) Skin corrosion or irritation Serious eye damage or eye irritation <b>112 Hazardous Air Pollutants (HAPs) List</b> <b>112(r) Accidental Release Prevention (40 CFR 68.130)</b> Contains component(s) regulated under the Safe Drinking Water Act. <b>bstance List</b> 16721-80-5) 310-73-2) Hazardous Air Pollutants
SARA 302 Extremely hazard Not listed. SARA 311/312 Hazardous chemical Classified hazard categories SARA 313 (TRI reporting) Not regulated. Other federal regulations Clean Air Act (CAA) Section Not regulated. Clean Air Act (CAA) Section Not regulated. Safe Drinking Water Act (SDWA) US state regulations US. Massachusetts RTK - Su Sodium hydrosulfide (CAS Sodium hydroxide (CAS 1313) US. New Jersey Worker and Sodium hydrosulfide (CAS	Yes Corrosive to metal Acute toxicity (any route of exposure) Skin corrosion or irritation Serious eye damage or eye irritation <b>112 Hazardous Air Pollutants (HAPs) List</b> <b>112(r) Accidental Release Prevention (40 CFR 68.130)</b> Contains component(s) regulated under the Safe Drinking Water Act. <b>bstance List</b> 16721-80-5) 310-73-2) -82-2) <b>Community Right-to-Know Act</b> 116721-80-5)
SARA 302 Extremely hazard Not listed. SARA 311/312 Hazardous chemical Classified hazard categories SARA 313 (TRI reporting) Not regulated. Other federal regulations Clean Air Act (CAA) Section Not regulated. Clean Air Act (CAA) Section Not regulated. Safe Drinking Water Act (SDWA) US state regulations US. Massachusetts RTK - Su Sodium hydrosulfide (CAS Sodium hydrosulfide (CAS 1 Sodium sulfide (CAS 1 Sodium hydrosulfide (CAS Sodium hydrosulfide (CAS 1 Sodium hydrosulfide (CAS 1	Yes Corrosive to metal Acute toxicity (any route of exposure) Skin corrosion or irritation Serious eye damage or eye irritation <b>112 Hazardous Air Pollutants (HAPs) List</b> <b>112(r) Accidental Release Prevention (40 CFR 68.130)</b> Contains component(s) regulated under the Safe Drinking Water Act. <b>bstance List</b> 16721-80-5) 310-73-2) -82-2) <b>Community Right-to-Know Act</b> 16721-80-5) 310-73-2)



#### Sodium sulfide (CAS 1313-82-2)

#### US. Pennsylvania Worker and Community Right-to-Know Law

Sodium hydrosulfide (CAS 16721-80-5) Sodium hydroxide (CAS 1310-73-2) **US. Rhode Island RTK** 

Sodium hydrosulfide (CAS 16721-80-5) Sodium hydroxide (CAS 1310-73-2)

#### **California Proposition 65**



**WARNING:** This product may expose you to trace chemicals, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

#### **International Inventories**

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	Yes
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
Taiwan	Taiwan Chemical Substance Inventory (TCSI)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

\*A "Yes" indicates this product complies with the inventory requirements administered by the governing country(s). A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

#### 16. Other information, including date of preparation or last revision

Issue date	16-Aug-2016	
Revision date	4-May-2020	
Version #	03	
NFPA ratings	3 0	
List of abbreviations	LD50: Lethal Dose, 50%. LC50: Lethal Concentration, 50%. EC50: Effective Concentration, 50%. LOAEC: Lowest observed adverse effect concentration. PEL: Permissible Exposure Limit.	
Disclaimer	TDC, L.L.C. cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used. It is the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use. The information in the sheet was written based on the best knowledge and experience currently available.	

