

END Safety Data Sheet according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Date of issue: 12/30/2019 Revision date: 12/30/2019 Version: 1.0

SECTION 1: Identification	
1.1. Identification	
Product form	: Mixture
Product code	: 6148ABS; 1839-220-72026
1.2. Recommended use and restriction	ons on use
Use of the substance/mixture	: Disinfectant
1.3. Supplier	
Nuance Solutions 900 E 103rd Street Suite D Chicago, IL - United States T 773-785-2300 regulatory@nuancesolutions.com - www.nuar	ncesolutions.com
1.4. Emergency telephone number	
Emergency number	: 1-800-535-5053 For Chemical Emergency Call INFOTRAC 24hr/day 7days/week Within USA and Canada: 1-800-535-5053 Outside USA and Canada: 011-1-352-323-3500 (collect calls accepted)
SECTION 2: Hazard(s) identification	bn
2.1. Classification of the substance o	r mixture
GHS US classification	
Skin corrosion/irritation Category 1B Serious eye damage/eye irritation Category 1	H314 Causes severe skin burns and eye damage H318 Causes serious eye damage
Full text of H statements : see section 16	
2.2. GHS Label elements, including p	recautionary statements
GHS US labeling	
Hazard pictograms (GHS US)	
Signal word (GHS US)	: Danger
Hazard statements (GHS US)	: H314 - Causes severe skin burns and eye damage H318 - Causes serious eye damage
Precautionary statements (GHS US)	 P301+P330+P331 - If swallowed: rinse mouth. Do NOT induce vomiting P303+P361+P353 - If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing P310 - Immediately call poison center/doctor P280 - Wear protective gloves/eye protection.
2.3. Other hazards which do not resu	It in classification
Other hazards not contributing to the classification	: None under normal conditions.
2.4. Unknown acute toxicity (GHS US	
Not applicable	
SECTION 3: Composition/Informa	tion on ingredients
3.1. Substances	
Not applicable	
3.2. Mixtures	

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Name	Product identifier	%
TETRA SODIUM EDTA	(CAS-No.) 64-02-8	1 - 5

Full text of hazard classes and H-statements : see section 16

4.1 Description of first aid measures First-aid measures general : Call a poison center/doctor/physician if you feel unwell. Remove person to fresh air and keep continutatie for breathing. First-aid measures after inhalation : Call a POISON CENTER or doctor/physician if you feel unwell. Remove person to fresh air and keep continutatie for breathing. First-aid measures after eve contact :: Rine annedately with plenty of water for 15 minutes. Remove contact lenses, if present and easy to do. Continue final, medical adviced/attention. First-aid measures after eve contact :: Rines medical with water for 15 minutes. Remove contact lenses, if present and easy to do. Continue final, medical with alterion center of doctor/physician. First-aid measures after eve contact :: Rines moth out with water for 15 minutes. Remove contact lenses, if present and easy to do. Continue final, medical with alterion center of doctor/physician. Symptoms/effects after eve contact :: Causes skin initiation. Symptoms/effects after eve contact :: Adapt extinguishing media to the environment for surrounding fires. Statable extinguishing media :: Adapt extinguishing media to th	SECTION 4: First-aid measures			
First-aid measures after inhalation : Call a POISON CENTER or doctor/hysiciani i you feel unwell. Remove person to fresh air and keep contination for breathing. First-aid measures after skin contact : After contact with skin, take of immediately all contaminated obting before reuse, if skin iritiation or rash occurs: Get medical advice/attention. First-aid measures after eye contact : Rinse immediately with plenty of water for 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing, immediately call a poison center of doctor/hysiciani. First-aid measures after ingestion : Rinse mouth out with water. Do not induce vomiting. Call a poison center of doctor/hysiciani. Symptoms/fields after skin contact : Causes serious eye damage. 4.1 Most important symptoms and effects (acute and delayed) Symptoms/fields after eye contact : Causes serious eye damage. 4.3 Immediate medical attention and special treatment, if necessary Treat symptomatically. Statube (and unsuitable) extinguishing media to the environment for surrounding fires. 5.2 Special protective equipment and proceautions for fire-fighting : Most explosion hazard Statube (and unsuitable) extinguishing media to the environment for surrounding fires. : Product is not explosion. 5.3 Special protective equipment and proceautions for fire-fighting measures. : Wear recommended personal protective equipment. Wear fire/fighting instructions req				
keep comfortable for breathing. Keep comfortable for breathing. First-aid measures after skin contact : After contact with kin, take dift medical advice/attention. First-aid measures after eye contact : Rinse immediately with plenty of water for 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center of obtori/physician. First-aid measures after ingestion : Rinse mouth out with water. Do not induce vomiting. Call a poison center/doctor/physician. First-aid measures after ingestion : Causes skin irritation on unduce vomiting. Call a poison center/doctor/physician. 4.2. Most important symptoms and effects (acute and delayed) Symptoms/effects after skin contact : Causes skin irritation. Symptoms/effects after skin contact : Adapt extinguishing media <td< td=""><td>First-aid measures general</td><td>: Call a poison center/doctor/physician if you feel unwell.</td></td<>	First-aid measures general	: Call a poison center/doctor/physician if you feel unwell.		
with plenty of water. Rives skin with water/shower. Wash contaminated diching before reuse. If skin irritation or rash occurs. Get medical advice/attention. First-aid measures after eye contact : Rives immediately with plenty of water for 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately adj poison center of doctor/physician if you feal urwall. 4.2. Most important symptoms and effects (acute and delayed) Symptoms/effects after skin contact : Causes skin irritation. Symptoms/effects after skin contact : Causes skin irritation. : Susse serious eye damage. 4.3. Immediate medical attention and special treatment, if necessary Treat symptomatically. Statubele actinguishing media : Adapt extinguishing media to the environment for surrounding fires. 5.1. Suitable (and unsuitable) extinguishing media to the environment for surrounding fires. 5.2. 5.2. Specific hazards arising from the chemical : No direct explosion hazard. Reactivity in case of fire : Product is not explosive. 5.3. Special protective equipment and precatuoins for fire-fighting any chemical fire. No specific fire-fighting instructions required. Friefighting instructions : Exercise cation when fighting any chemical fire. No specific fire-fighting instructions required. Special protective equipment and precatuoin when fighting any chemical fire. No specific fire-fighting instructions required. Friefighting instructions <td>First-aid measures after inhalation</td> <td></td>	First-aid measures after inhalation			
easy to do. Continue rinsing. Immediately call a poison center of acctor/physician. First-aid measures after ingestion : Rinse mound out with water. Do not induce vomiting. Call a poison center/doctor/physician if you feel unwell. 4.2. Most important symptoms and effocts (acute and delayed) Symptoms/effects after skin contact : Causes skin irritation. Symptoms/effects after skin contact : Causes skin irritation. Symptoms/effects after skin contact : Causes skin irritation. Symptoms/effects after skin contact : Causes skin irritation. Symptoms/effects after skin contact : Causes skin irritation. Symptoms/effects after skin contact : Causes skin irritation. Symptoms/effects after skin contact : Causes skin irritation. Store Section Status : Causes skin irritation. Symptoms/effects after skin contact : Causes skin irritation. Store Section Status : Section S	First-aid measures after skin contact	with plenty of water. Rinse skin with water/shower. Wash contaminated clothing before reuse. If		
4.2. Most important symptoms and effects (acute and delayed) Symptoms/effects after skin contact i. Causes skin irritation. Symptoms/effects after eye contact : Causes skin irritation. Symptoms/effects after eye contact : Causes skin irritation. Symptoms/effects after eye contact : Causes serious eye damage. 4.3. Immediate medical attention and special treatment, if necessary Treat symptomatically. Statisble (and unsuitable) extinguishing media Suitable extinguishing media : Adapt extinguishing media to the environment for surrounding fires. 5.2. Specific hazards arising from the chemical Explosion hazard : Modirect explosion hazard. Reactivity in case of fire : No direct explosion hazard. Protection during firefighting : Exercise caution when fighting any chemical fire. No specific fire-fighting instructions required. Protection during firefighting : Exercise caution when fighting any chemical fire. No specific fire-fighting instructions required. Sector N 6: Accidental release measures : Avoid contact with skin and eyes. 6.1. Personal protective equipment and emergency procedures : Avoid contact with skin and eyes. 6.1.1. For non-emergency personale : Avoid contact with skin and eyes. 6.1.2. For emergency responders : Av	First-aid measures after eye contact			
Symptoms/effects after skin contact : Causes skin irritation. Symptoms/effects after spe contact : Causes serious eye damage. 4.3. Immediate medical attention and special treatment, if necessary Treat symptoms/effects after eye contact : Causes serious eye damage. Street-fighting measures Street-fighting measures Street-fighting measures Suitable (and unsuitable) extinguishing media to the environment for surrounding fires. Street-fighting measures Specific hazards arising from the chemical Fire fagt fing measures Fire fagt fing instructions for ifre-fighting measures Specific hazards arising from the chemical Fire fagt fing instructions Fire/fighting instructions Section of Stree-fighting measures Specific hozards arising from the chemical Fire/fighting measures Specific hozards arising from the chemical Fire/fighting measures Specific hozards arising from the chemical Fire/fighting measures Specific hozards arising from the chemical <td <="" colspan="2" td=""><td>First-aid measures after ingestion</td><td></td></td>	<td>First-aid measures after ingestion</td> <td></td>		First-aid measures after ingestion	
Symptoms/effects after eye contact : Causes serious eye damage. 4.3. Immediate medical attention and special treatment, if necessary Treat symptomatically. SECTION 5: Fire-fighting measures 5.1. Suitable (and unsuitable) extinguishing media Suitable extinguishing media : Adapt extinguishing media to the environment for surrounding fires. 5.2. Specific hazards arising from the chemical Fire hazard : Heating may cause a fire. Explosion hazard : No direct explosion hazard. Reactivity in case of fire : No direct explosion hazard. Star Special protective equipment and precautions for fire-fighters Firefighting instructions : Exercise caution when fighting any chemical fire. No specific fire-fighting instructions required. Protection during firefighting : Wear recommended personal protective equipment. Wear fire/filame resistant/retardant Cohright Explosion hazard. : Avoid contact with skin and eyes. 6.1. For emergency presonel Fortective equipment : Wear recommended personal protective equipment. Protective goggles. Protective clothing. Emergency procedures : Avoid contact with skin and eyes. 6.1. For emergency responders Protective equipment <t< td=""><td>4.2. Most important symptoms and effec</td><td>ts (acute and delayed)</td></t<>	4.2. Most important symptoms and effec	ts (acute and delayed)		
4.3. Immediate medical attention and special treatment, if necessary Treat symptomatically. SECTION 5: Fire-fighting measures 5.1. Suitable (and unsuitable) extinguishing media Suitable extinguishing media : Adapt extinguishing media to the environment for surrounding fires. 5.2. Specific hazards arising from the chemical Fire hazard : Heating may cause a fire. Explosion hazard : No direct explosion hazard. Reactivity in case of fire : Product is not explosive. 5.3. Special protective equipment and precautions for fire-fighters Firefighting instructions : Exercise caution when fighting any chemical fire. No specific fire-fighterg instructions required. Protection during firefighting : Evercise caution when fighting appratus. SECTION 6: Accidental release measures : Avoid contact with skin and eyes. 6.1. Personal precautions, protective equipment and emergency procedures General measures : Avoid contact with skin and eyes. 6.1.1. For non-emergency personnel Protective equipment : Use personal protective equipment as required. Wear fire/flame resistant/retardant clothing. Emergency procedures : Evacuate unnecessary personnel. Stop leak if safe to do so. 6.1.2. For emergency responders : Evacuate unnecessary personnel. St	Symptoms/effects after skin contact	: Causes skin irritation.		
Treat symptomatically. SECTION 5: Fire-fighting measures 5.1. Suitable (and unsuitable) extinguishing media Suitable extinguishing media : Adapt extinguishing media to the environment for surrounding fires. 5.2. Specific hazards arising from the chemical Fire hazard : Heating may cause a fire. Explosion hazard : No direct explosion hazard. Reactivity in case of fire : Product is not explosive. 5.3. Special protective equipment and precautions for fire-fighters Firefighting instructions : Exercise caution when fighting any chemical fire. No specific fire-fighter resistant/retardant clothing. Self-contained breathing apparatus. SECCTION 6: Accidental release measures : Avoid contact with skin and eyes. 6.1. For non-emergency personnel Protective equipment : Wear recommended personal protective equipment. Protective goggles. Protective clothing. Emergency procedures : Avoid contact with skin and eyes. 6.1.1. For non-emergency personnel Ever personal protective equipment. Protective goggles. Protective clothing. Emergency procedures : Avoid contact with skin and eyes. 6.1.2. For emergency responders : Vear recommended personal protective equipment. Protective goggles. Protective clothing. Emergenc	Symptoms/effects after eye contact	: Causes serious eye damage.		
SECTION 5: Fire-fighting measures 5.1. Suitable (and unsuitable) extinguishing media Suitable extinguishing media : Adapt extinguishing media to the environment for surrounding fires. 5.2. Specific hazards arising from the chemical Fire hazard : Heating may cause a fire. Explosion hazard : No direct explosion hazard. Reactivity in case of fire : Product is not explosive. 5.3. Special protective equipment and precautions for fire-fighting any chemical fire. No specific fire-fighting instructions required. Protection during firefighting : Exercise caution when fighting any chemical fire. No specific fire-fighting instructions required. Protection during firefighting : Wear recommended personal protective equipment. Wear fire/flame resistant/retardant clothing. Self-contained breathing apparatus. SECTION 6: Accidental release measures : Avoid contact with skin and eyes. 6.1. Personal precautions, protective equipment and emergency procedures Emergency procedures : Avoid contact with skin and eyes. 6.1.1. For non-emergency personnel Protective equipment : Wear recommended personal protective equipment. Protective goggles. Protective clothing. Use personal protective equipment as required. Wear fire/flame resistant/retardant clothing. Use personal protective equipment as required. Wear fire/flame resistant/retard	4.3. Immediate medical attention and spo	ecial treatment, if necessary		
5.1. Suitable (and unsuitable) extinguishing media A dapt extinguishing media A dapt extinguishing media to the environment for surrounding fires. 5.2. Specific hazards arising from the Chemical Fire hazard : Heating may cause a fire. Explosion hazard : No direct explosion hazard. Reactivity in case of fire : Product is not explosive. 5.3. Special protective equipment and precautions for fire-fighters Firefighting instructions : Exercise caution when fighting any chemical fire. No specific fire-fighting instructions required. Protection during firefighting : Wear recommended personal protective equipment. Wear fire/flame resistant/retardant clothing. Self-contained breathing apparatus. SECTION 6: Accidental release measures : A void contact with skin and eyes. 6.1. Personal precautions, protective equipment and emergency procedures General measures : A void contact with skin and eyes. 6.1.1. For non-emergency personnel : Protective equipment : Wear recommended personal protective equipment. Protective goggles. Protective clothing. Use self-contained breathing apparatus. Energency procedures : A void contac	Treat symptomatically.			
5.1. Suitable (and unsuitable) extinguishing media A dapt extinguishing media A dapt extinguishing media to the environment for surrounding fires. 5.2. Specific hazards arising from the Chemical Fire hazard : Heating may cause a fire. Explosion hazard : No direct explosion hazard. Reactivity in case of fire : Product is not explosive. 5.3. Special protective equipment and precautions for fire-fighters Firefighting instructions : Exercise caution when fighting any chemical fire. No specific fire-fighting instructions required. Protection during firefighting : Wear recommended personal protective equipment. Wear fire/flame resistant/retardant clothing. Self-contained breathing apparatus. SECTION 6: Accidental release measures : A void contact with skin and eyes. 6.1. Personal precautions, protective equipment and emergency procedures General measures : A void contact with skin and eyes. 6.1.1. For non-emergency personnel : Protective equipment : Wear recommended personal protective equipment. Protective goggles. Protective clothing. Use self-contained breathing apparatus. Energency procedures : A void contac	SECTION 5: Fire-fighting measures			
5.2. Specific hazards arising from the chemical Fire hazard : Heating may cause a fire. Explosion hazard : No direct explosion hazard. Reactivity in case of fire : Product is not explosive. 5.3. Special protective equipment and precautions for fire-fighting Firefighting instructions :: Exercise caution when fighting any chemical fire. No specific fire-fighting instructions required. Protection during firefighting :: Wear recommended personal protective equipment. Wear fire/flame resistant/retardant clothing. Self-contained breathing apparatus. SECTION 6: Accidental release measures : Avoid contact with skin and eyes. 6.1. Personal precautions, protective equipment and precommended personal protective equipment. Protective goggles. Protective clothing. Emergency procedures : Avoid contact with skin and eyes. 6.1.1. For non-emergency personnel Protective equipment : Wear recommended personal protective equipment. Protective goggles. Protective clothing. Emergency procedures : Avoid contact with skin and eyes. 6.1.2. For emergency responders Protective equipment : Use personal protective equipment as required. Wear fire/flame resistant/retardant clothing. Use self-contained breathing apparatus. Emergency procedures : Evacuate unnecessary personnel.		ing media		
Fire hazard : Heating may cause a fire. Explosion hazard : No direct explosion hazard. Reactivity in case of fire : Product is not explosive. 5.3. Special protective equipment and precautions for fire-fighters Firefighting instructions : Exercise caution when fighting any chemical fire. No specific fire-fighting instructions required. Protection during firefighting : Wear recommended personal protective equipment. Wear fire/filame resistant/retardant clothing. Self-contained breathing apparatus. SECTION 6: Accidental release measures : Avoid contact with skin and eyes. 6.1. Personal precautions, protective equipment and emergency procedures General measures : Avoid contact with skin and eyes. 6.1.1. For non-emergency personnel Protective equipment Protective equipment : Wear recommended personal protective equipment. Protective goggles. Protective clothing. Emergency procedures : Avoid contact with skin and eyes. 6.1.2. For emergency responders Protective equipment : Use personal protective equipment as required. Wear fire/flame resistant/retardant clothing. Use self-contained breathing apparatus. Emergency procedures : Evacuate unnecessary personnel. Stop leak if safe to do so. 6.2. Environmental precautions Av	Suitable extinguishing media	: Adapt extinguishing media to the environment for surrounding fires.		
Fire hazard : Heating may cause a fire. Explosion hazard : No direct explosion hazard. Reactivity in case of fire : Product is not explosive. 5.3. Special protective equipment and precautions for fire-fighters Firefighting instructions : Exercise caution when fighting any chemical fire. No specific fire-fighting instructions required. Protection during firefighting : Wear recommended personal protective equipment. Wear fire/filame resistant/retardant clothing. Self-contained breathing apparatus. SECTION 6: Accidental release measures : Avoid contact with skin and eyes. 6.1. Personal precautions, protective equipment and emergency procedures General measures : Avoid contact with skin and eyes. 6.1.1. For non-emergency personnel Protective equipment Protective equipment : Wear recommended personal protective equipment. Protective goggles. Protective clothing. Emergency procedures : Avoid contact with skin and eyes. 6.1.2. For emergency responders Protective equipment : Use personal protective equipment as required. Wear fire/flame resistant/retardant clothing. Use self-contained breathing apparatus. Emergency procedures : Evacuate unnecessary personnel. Stop leak if safe to do so. 6.2. Environmental precautions Av	5.2. Specific hazards arising from the ch	emical		
Reactivity in case of fire Product is not explosive. 5.3. Special protective equipment and precautions for fire-fighters Firefighting instructions Exercise caution when fighting any chemical fire. No specific fire-fighting instructions required. Protection during firefighting Wear recommended personal protective equipment. Wear fire/filame resistant/retardant clothing. Self-contained breathing apparatus. SECTION 6: Accidental release measures Avoid contact with skin and eyes. 6.1. Personal precautions, protective equipment and emergency procedures General measures : Avoid contact with skin and eyes. 6.1.1. For non-emergency personnel Protective equipment : Wear recommended personal protective equipment. Protective goggles. Protective clothing. Emergency procedures : Avoid contact with skin and eyes. 6.1.2. For emergency responders Protective equipment : Wear recommended personal protective equipment. Protective goggles. Protective clothing. Emergency procedures : Evecuate unnecessary personnel. Stop leak if safe to do so. 6.2. Environmental precautions Avoid release to the environment. : Absorb spilled material with sand or earth. Stop leak, if possible without risk. 6.3. Methods and material for containment and cleaning up <t< td=""><td>Fire hazard</td><td></td></t<>	Fire hazard			
5.3. Special protective equipment and precautions for fire-fighters Firefighting instructions : Exercise caution when fighting any chemical fire. No specific fire-fighting instructions required. Protection during firefighting : Wear recommended personal protective equipment. Wear fire/flame resistant/retardant clothing. Self-contained breathing apparatus. SECTION 6: Accidental release measures . 6.1. Personal precautions, protective equipment and emergency procedures General measures : Avoid contact with skin and eyes. 6.1.1. For non-emergency personnel Protective equipment : Wear recommended personal protective equipment. Protective goggles. Protective clothing. Emergency procedures : Avoid contact with skin and eyes. 6.1.2. For emergency responders : Use personal protective equipment as required. Wear fire/flame resistant/retardant clothing. Use self-contained breathing apparatus. Emergency procedures : Use personal protective equipment as required. Wear fire/flame resistant/retardant clothing. Use self-contained breathing apparatus. Emergency procedures : Evacuate unnecessary personnel. Stop leak if safe to do so. 6.2. Environmental precautions : Absorb spilled material with sand or earth. Stop leak, if possible without risk. 6.3. Methods and material for containment and cleaning up : Absorb remaining liquid with sand or inert absorbent and remove to safe place. <td>Explosion hazard</td> <td>: No direct explosion hazard.</td>	Explosion hazard	: No direct explosion hazard.		
Firefighting instructions : Exercise caution when fighting any chemical fire. No specific fire-fighting instructions required. Protection during firefighting : Wear recommended personal protective equipment. Wear fire/flame resistant/retardant clothing. Self-contained breathing apparatus. SECTION 6: Accidental release measures 6.1. 6.1. Personal precautions, protective equipment and emergency procedures General measures : Avoid contact with skin and eyes. 6.1.1. For non-emergency personnel Protective equipment : Wear recommended personal protective equipment. Protective goggles. Protective clothing. Emergency procedures : Avoid contact with skin and eyes. 6.1.2. For emergency responders Protective equipment : Use personal protective equipment as required. Wear fire/flame resistant/retardant clothing. Use self-contained breathing apparatus. Emergency procedures : Evacuate unnecessary personnel. Stop leak if safe to do so. 6.2. Environmental precautions Avoid release to the environment. : Absorb spilled material with sand or earth. Stop leak, if possible without risk. 6.3. Methods and material for containment and cleaning up : Absorb remaining liquid with sand or inert absorbent and remove to safe place.	Reactivity in case of fire	Product is not explosive.		
Protection during firefighting : Wear recommended personal protective equipment. Wear fire/flame resistant/retardant clothing. Self-contained breathing apparatus. SECTION 6: Accidental release measures 6.1. Personal precautions, protective equipment and emergency procedures General measures : Avoid contact with skin and eyes. 6.1.1. For non-emergency personnel : Wear recommended personal protective equipment. Protective goggles. Protective clothing. Protective equipment : Wear recommended personal protective equipment. Protective goggles. Protective clothing. Emergency procedures : Avoid contact with skin and eyes. 6.1.2. For emergency responders : Avoid contact with skin and eyes. 6.1.2. For emergency responders : Use personal protective equipment as required. Wear fire/flame resistant/retardant clothing. Use self-contained breathing apparatus. Emergency procedures : Evacuate unnecessary personnel. Stop leak if safe to do so. 6.2. Environmental precautions : Evacuate unnecessary personnel. Stop leak if safe to do so. 6.3. Methods and material for containment and cleaning up : Absorb spilled material with sand or earth. Stop leak, if possible without risk. For containment : Absorb spilled material with sand or inert absorbent and remove to safe place.	5.3. Special protective equipment and pr	ecautions for fire-fighters		
Protection during firefighting : Wear recommended personal protective equipment. Wear fire/flame resistant/retardant clothing. Self-contained breathing apparatus. SECTION 6: Accidental release measures 6.1. Personal precautions, protective equipment and emergency procedures General measures : Avoid contact with skin and eyes. 6.1.1. For non-emergency personnel Protective equipment : Wear recommended personal protective equipment. Protective goggles. Protective clothing. Emergency procedures : Avoid contact with skin and eyes. 6.1.2. For emergency responders : Avoid contact with skin and eyes. 6.1.2. For emergency responders : Use personal protective equipment as required. Wear fire/flame resistant/retardant clothing. Use self-contained breathing apparatus. Emergency procedures : Evacuate unnecessary personnel. Stop leak if safe to do so. 6.2. Environmental precautions : Evacuate unnecessary personnel. Stop leak if safe to do so. 6.3. Methods and material for containment and cleaning up : Absorb spilled material with sand or earth. Stop leak, if possible without risk. For containment : Absorb remaining liquid with sand or inert absorbent and remove to safe place.	Firefighting instructions	: Exercise caution when fighting any chemical fire. No specific fire-fighting instructions required.		
6.1. Personal precautions, protective equipment and emergency procedures General measures : Avoid contact with skin and eyes. 6.1.1. For non-emergency personnel Protective equipment : Wear recommended personal protective equipment. Protective goggles. Protective clothing. Emergency procedures : Avoid contact with skin and eyes. 6.1.2. For emergency responders Protective equipment : Use personal protective equipment as required. Wear fire/flame resistant/retardant clothing. Use self-contained breathing apparatus. Emergency procedures : Evacuate unnecessary personnel. Stop leak if safe to do so. 6.2. Environmental precautions Avoid release to the environment. : Absorb spilled material with sand or earth. Stop leak, if possible without risk. 6.3. Methods and material for containment and cleaning up For containment : Absorb remaining liquid with sand or inert absorbent and remove to safe place.	Protection during firefighting	: Wear recommended personal protective equipment. Wear fire/flame resistant/retardant		
General measures : Avoid contact with skin and eyes. 6.1.1. For non-emergency personnel . Protective equipment : Wear recommended personal protective equipment. Protective goggles. Protective clothing. Emergency procedures : Avoid contact with skin and eyes. 6.1.2. For emergency responders . Protective equipment : Use personal protective equipment as required. Wear fire/flame resistant/retardant clothing. Use self-contained breathing apparatus. Emergency procedures : Evacuate unnecessary personnel. Stop leak if safe to do so. 6.2. Environmental precautions Avoid release to the environment. 6.3. Methods and material for containment and cleaning up For containment : Absorb spilled material with sand or earth. Stop leak, if possible without risk. Methods for cleaning up : Absorb remaining liquid with sand or inert absorbent and remove to safe place.	SECTION 6: Accidental release meas	sures		
6.1.1. For non-emergency personnel Protective equipment : Wear recommended personal protective equipment. Protective goggles. Protective clothing. Emergency procedures : Avoid contact with skin and eyes. 6.1.2. For emergency responders : Use personal protective equipment as required. Wear fire/flame resistant/retardant clothing. Use self-contained breathing apparatus. Emergency procedures : Evacuate unnecessary personnel. Stop leak if safe to do so. 6.2. Environmental precautions Avoid release to the environment. 6.3. Methods and material for containment and cleaning up : Absorb spilled material with sand or earth. Stop leak, if possible without risk. For containment : Absorb remaining liquid with sand or inert absorbent and remove to safe place.	6.1. Personal precautions, protective equ	uipment and emergency procedures		
Protective equipment : Wear recommended personal protective equipment. Protective goggles. Protective clothing. Emergency procedures : Avoid contact with skin and eyes. 6.1.2. For emergency responders : Protective equipment : Use personal protective equipment as required. Wear fire/flame resistant/retardant clothing. Use self-contained breathing apparatus. Emergency procedures : Evacuate unnecessary personnel. Stop leak if safe to do so. 6.2. Environmental precautions . Avoid release to the environment. . 6.3. Methods and material for containment and cleaning up : Absorb spilled material with sand or earth. Stop leak, if possible without risk. For containment : Absorb remaining liquid with sand or inert absorbent and remove to safe place.	General measures	: Avoid contact with skin and eyes.		
Protective equipment : Wear recommended personal protective equipment. Protective goggles. Protective clothing. Emergency procedures : Avoid contact with skin and eyes. 6.1.2. For emergency responders : Use personal protective equipment as required. Wear fire/flame resistant/retardant clothing. Use self-contained breathing apparatus. Emergency procedures : Evacuate unnecessary personnel. Stop leak if safe to do so. 6.2. Environmental precautions : Evacuate unnecessary personnel. Stop leak if safe to do so. 6.3. Methods and material for containment and cleaning up : Absorb spilled material with sand or earth. Stop leak, if possible without risk. For containment : Absorb remaining liquid with sand or inert absorbent and remove to safe place.	6.1.1. For non-emergency personnel			
Emergency procedures : Avoid contact with skin and eyes. 6.1.2. For emergency responders Protective equipment : Use personal protective equipment as required. Wear fire/flame resistant/retardant clothing. Use self-contained breathing apparatus. Emergency procedures : Evacuate unnecessary personnel. Stop leak if safe to do so. 6.2. Environmental precautions Avoid release to the environment. 6.3. Methods and material for containment and cleaning up : Absorb spilled material with sand or earth. Stop leak, if possible without risk. For containing up : Absorb remaining liquid with sand or inert absorbent and remove to safe place.		: Wear recommended personal protective equipment. Protective goggles, Protective clothing,		
6.1.2. For emergency responders Protective equipment : Use personal protective equipment as required. Wear fire/flame resistant/retardant clothing. Use self-contained breathing apparatus. Emergency procedures : Evacuate unnecessary personnel. Stop leak if safe to do so. 6.2. Environmental precautions Avoid release to the environment. 6.3. Methods and material for containment and cleaning up For containment : Absorb spilled material with sand or earth. Stop leak, if possible without risk. Kethods for cleaning up : Absorb remaining liquid with sand or inert absorbent and remove to safe place.				
Protective equipment : Use personal protective equipment as required. Wear fire/flame resistant/retardant clothing. Use self-contained breathing apparatus. Emergency procedures : Evacuate unnecessary personnel. Stop leak if safe to do so. 6.2. Environmental precautions Avoid release to the environment. Avoid release to the environment. 6.3. Methods and material for containment and cleaning up For containment : Absorb spilled material with sand or earth. Stop leak, if possible without risk. Methods for cleaning up : Absorb remaining liquid with sand or inert absorbent and remove to safe place.		·		
Use self-contained breathing apparatus. Emergency procedures : Evacuate unnecessary personnel. Stop leak if safe to do so. 6.2. Environmental precautions Avoid release to the environment.		· Like personal protective equipment or required. Wear fire/flame registent/retordent elething		
6.2. Environmental precautions Avoid release to the environment. 6.3. Methods and material for containment and cleaning up For containment : Absorb spilled material with sand or earth. Stop leak, if possible without risk. Methods for cleaning up : Absorb remaining liquid with sand or inert absorbent and remove to safe place.				
Avoid release to the environment. 6.3. Methods and material for containment and cleaning up For containment Expression in the stand or earth. Stop leak, if possible without risk. Expression in the stand or inert absorbent and remove to safe place. Expression in the stand or inert absorbent and remove to safe place. Expression in the stand or inert absorbent and remove to safe place. Expression in the stand or inert absorbent and remove to safe place. Expression in the stand or inert absorbent and remove to safe place. Expression in the standard in the	Emergency procedures	: Evacuate unnecessary personnel. Stop leak if safe to do so.		
6.3. Methods and material for containment and cleaning up For containment : Absorb spilled material with sand or earth. Stop leak, if possible without risk. Methods for cleaning up : Absorb remaining liquid with sand or inert absorbent and remove to safe place.	6.2. Environmental precautions			
For containment: Absorb spilled material with sand or earth. Stop leak, if possible without risk.Methods for cleaning up: Absorb remaining liquid with sand or inert absorbent and remove to safe place.	Avoid release to the environment.			
Methods for cleaning up : Absorb remaining liquid with sand or inert absorbent and remove to safe place.	6.3. Methods and material for containme	nt and cleaning up		
Methods for cleaning up : Absorb remaining liquid with sand or inert absorbent and remove to safe place.	For containment	: Absorb spilled material with sand or earth. Stop leak, if possible without risk.		
6.4. Reference to other sections	Methods for cleaning up			
	6.4. Reference to other sections			
No additional information available	No additional information available			

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

SECTION 7: Handling and storage	
7.1. Precautions for safe handling	
Additional hazards when processed	: Not expected to present a significant hazard under anticipated conditions of normal use.
Precautions for safe handling	: Avoid contact with skin and eyes.
Hygiene measures	: Observe normal hygiene standards.
7.2. Conditions for safe storage, includi	ing any incompatibilities
Technical measures	: Comply with applicable regulations.
Storage conditions	: Keep container tightly closed. Store in a dry place. Keep cool.

SECTION 8: Exposure controls/personal protection

8.1.	Control parameters
NuBle	end Disinfectant 220
No ad	ditional information available
TETR	A SODIUM EDTA (64-02-8)
No ad	ditional information available

8.2.	Appropriate engineering controls	
Appropr	iate engineering controls	: Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.
Environ	mental exposure controls	: Avoid release to the environment.
8.3.	Individual protection measures/Pers	onal protective equipment
Person	al protective equipment:	
Avoid al	l unnecessary exposure.	
Hand	protection:	
Protec	tive gloves	
Eye p	rotection:	

Chemical goggles or safety glasses

Skin and body protection:

Protective clothing

SECTION 9: Physical and chemica	Inconerties
9.1. Information on basic physical and	
Physical state	: Liquid
Color	
000	: Mixture contains one or more component(s) which have the following colour(s): Colourless
Odor	: There may be no odour warning properties, odour is subjective and inadequate to warn of
	overexposure. Mixture contains one or more component(s) which have the following odour:
	Odourless
Odor threshold	: No data available
pH	: ≈ 12.9
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Flammability (solid, gas)	: No data available
Vapor pressure	: No data available
Relative vapor density at 20 °C	: No data available
Relative density	: No data available
07/10/2020	EN (English LIS) 3/6

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Solubility: No data availableLog Pow: No data availableAuto-ignition temperature: No data availableDecomposition temperature: No data availableViscosity, kinematic: No data availableViscosity, dynamic: No data availableExplosion limits: No data availableExplosive properties: No data availableOxidizing properties: No data available9.2.Other information		
Auto-ignition temperature: No data availableDecomposition temperature: No data availableViscosity, kinematic: No data availableViscosity, dynamic: No data availableExplosion limits: No data availableExplosive properties: No data availableOxidizing properties: No data available	Solubility	: No data available
Decomposition temperature: No data availableViscosity, kinematic: No data availableViscosity, dynamic: No data availableExplosion limits: No data availableExplosive properties: No data availableOxidizing properties: No data available	Log Pow	: No data available
Viscosity, kinematic:No data availableViscosity, dynamic:No data availableExplosion limits:No data availableExplosive properties:No data availableOxidizing properties:No data available	Auto-ignition temperature	: No data available
Viscosity, dynamic:No data availableExplosion limits:No data availableExplosive properties:No data availableOxidizing properties:No data available	Decomposition temperature	: No data available
Explosion limits: No data availableExplosive properties: No data availableOxidizing properties: No data available	Viscosity, kinematic	: No data available
Explosive properties : No data available Oxidizing properties : No data available	Viscosity, dynamic	: No data available
Oxidizing properties : No data available	Explosion limits	: No data available
	Explosive properties	: No data available
9.2. Other information	Oxidizing properties	: No data available
	9.2. Other information	

No additional information available

SECTION 10: Stability and reactivity	
10.1. Reactivity	
Heating may cause a fire.	
10.2. Chemical stability	
Stable under normal conditions.	
10.3. Possibility of hazardous reactions	
No additional information available	
10.4. Conditions to avoid	
Heat.	
10.5. Incompatible materials	
No additional information available	
10.6. Hazardous decomposition products	
No additional information available	
SECTION 11: Toxicological information	on
11.1. Information on toxicological effects	
Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified
TETRA SODIUM EDTA (64-02-8)	
LD50 oral rat	3030 mg/kg
LD50 dermal rabbit ATE US (oral)	> 5000 mg/kg 3030 mg/kg body weight
Skin corrosion/irritation	: Causes severe skin burns and eye damage.
Skir conosion/imation	pH: ≈ 12.9
Serious eye damage/irritation	: Causes serious eye damage.
	pH: ≈ 12.9
Respiratory or skin sensitization	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified
TETRA SODIUM EDTA (64-02-8)	
LOAEC (inhalation,rat,dust/mist/fume,90 days)	0.015 mg/l air Animal: rat, Animal sex: female, Guideline: OECD Guideline 413 (Subchronic Inhalation Toxicity: 90-Day Study)
NOAEL (oral,rat,90 days)	>= 500 mg/kg body weight Animal: rat
STOT-repeated exposure	May cause damage to organs through prolonged or repeated exposure.
07/10/2020	EN (English US) 4/6

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Aspiration hazard Viscosity, kinematic	: Not classified : No data available
Symptoms/effects after skin contact	: Causes skin irritation.
Symptoms/effects after eye contact	: Causes serious eye damage.

SECTION 12: Ecological information

12.1. Toxicity

TETRA SODIUM EDTA (64-02-8)	
LC50 fish 1	121 mg/l (96 h, Lepomis macrochirus, Literature study, Soft water)
LC50 fish 2	> 100 mg/l 96 hr Pimephales promelas
LC50 other aquatic organisms 2	157 - 2070 96 hr Lepomis macrochirus
LOEC (chronic)	50 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
NOEC (chronic)	25 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
NOEC chronic fish	>= 25.7 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio) Duration: '35 d'

12.2. Persistence and degradability

TETRA SODIUM EDTA (64-02-8)	
Persistence and degradability	Not readily biodegradable in water.
Biochemical oxygen demand (BOD)	< 0.002 g O ₂ /g substance
Chemical oxygen demand (COD)	0.54 - 0.58 g O ₂ /g substance

12.3. Bioaccumulative potential

TETRA SODIUM EDTA (64-02-8)	
Log Pow	-2.6
Bioaccumulative potential	Not bioaccumulative.

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Disposal methods

Disposal must be done according to official regulations.

SECTION 14: Transport information

Department of Transportation (DOT)

In accordance with DOT

Not regulated

Transportation of Dangerous Goods

Not applicable

Transport by sea

Not applicable

Air transport

Not applicable

SECTION 15: Regulatory information

15.1. US Federal regulations

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory

FIFRA Labelling			
1839-220-72026			
This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label.			
Caution			
Keep out of reach of children.			
ſ			

15.2. International regulations

15.3. US State regulations

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm

SECTION 16: Other information

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Revision date	:	12/30/2019
---------------	---	------------

Full text of H-phrases

Full text of H-phrases:	
H314	Causes severe skin burns and eye damage
H318	Causes serious eye damage
Hazard Rating	
Health	: 1 Slight Hazard - Irritation or minor reversible injury possible
Flammability	: 0 Minimal Hazard - Materials that will not burn
Physical	: 0 Minimal Hazard - Materials that are normally stable, even under fire conditions, and will NOT react with water, polymerize, decompose, condense, or self-react. Non-Explosives.
Personal protection	: B
	B - Safety glasses, Gloves

SDS US (GHS HazCom 2012)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.