

Safety Data Sheet 6163303

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Date of issue: 07/31/2017 Version: 1.0

SECTION 1: Identification	
1.1. Identification	
Product form	: Substance
Substance name	: Tris(trifluoromethanesulfonyl)methane
CAS No	: 60805-12-1
Product code	: 6163-3-03
Formula	: C4HF9O6S3
Synonyms	: Tris[(trifluoromethyl)sulfonyl]methane
Other means of identification	: MFCD16876755
1.2. Relevant identified uses of the subs	stance or mixture and uses advised against
Use of the substance/mixture	: Laboratory chemicals Manufacture of substances Scientific research and development
1.3. Details of the supplier of the safety	data sheet
SynQuest Laboratories, Inc. P.O. Box 309 Alachua, FL 32615 - United States of America T (386) 462-0788 - F (386) 462-7097 info@synquestlabs.com - www.synquestlabs.com 1.4. Emergency telephone number	<u>m</u>
Emergency number	: (844) 523-4086 (3E Company - Account 10069)
	. (044) 323-4000 (SE Company - Account 10003)
SECTION 2: Hazard(s) identification	
2.1. Classification of the substance or m	nixture
Classification (GHS-US)	
Skin Corr. 1BH314 - Causes severe skin burEye Dam. 1H318 - Causes serious eye darSTOT SE 3H335 - May cause respiratory i	mage
Full text of H-phrases: see section 16	
2.2. Label elements	
GHS-US labeling	
Hazard pictograms (GHS-US)	CHS05 CHS07
Signal word (GHS-US)	: Danger
Hazard statements (GHS-US)	 Banger H314 - Causes severe skin burns and eye damage H335 - May cause respiratory irritation
Precautionary statements (GHS-US)	 P260 - Do not breathe dust, mist, spray P264 - Wash skin thoroughly after handling P271 - Use only outdoors or in a well-ventilated area P280 - Wear protective gloves/protective clothing/eye protection/face protection 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 P304+P340 - If inhaled: Remove person to fresh air and keep comfortable for breathing P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

lenses, if present and easy to do. Continue rinsing P310 - Immediately call a POISON CENTER or doctor/ physician

P321 - Specific treatment (see supplemental first aid instructions on this label) P363 - Wash contaminated clothing before reuse

P403+P233 - Store in a well-ventilated place. Keep container tightly closed

P405 - Store locked up

P501 - Dispose of contents/container to an approved waste disposal plant

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

2.3. Other hazards 2.4. Unknown acute toxicity (GHS US) Not adpinal information analytic 2.4. Unknown acute toxicity (GHS US) Not applicable SECTION 3: Composition/Information on Ingredients 3.1. Substance Substance type Image: Substance type Image: Substance type Classification (GHS-US) Tragelification (GHS-US) Tragelification (GHS-US) Tragelification (GHS-US) Signame transmission (GHS-US) Signame tranission (GH	cording to Federal Register / Vol. 77, No. 58 / Monday, N	arch 26, 2012 / Rules and Regulations		
2.4. Unknown acute toxicity (GHS US) Not applicable Substance 3.1. Substance Substance Image: Composition (Composition (Comp				
Not applicable SECTION 4: Composition/Information on ingredients 31. Substance Substance type iMono-constituent Name Product identifier % Classification (GHS-US) Transmitter Mano-constituent % Classification (GHS-US) Transmitter Mano-constituent % Classification (GHS-US) Full text of H-phrases: see section 16 3 Substance 2. Mixture Not applicable SECTION 4: First ald measures First-aid measures general : In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). More the effected personnel away from the contaminated area. First-aid measures after inhalation : Remove person to fresh air and keep controllable for breathing. If not breathing, give artificial researces after inhalation First-aid measures after eye contact : Wesh with plenty of scap and water. Remove contaminated obting and shoes. Get immediate indical advice/attention. First-aid measures after inpesion : Do NOT induce voming. Never give anything by mouth can unconclosus person. Nine modula advice/attention. Symptoms/injuries : Do NOT induce voming. Never give anything by mouth can unconclosus person. Rine modula advice/attention. Symptoms/injuries : In case of first. Yeu and decayed Symptoms/injuries : In case of first. Yeu and decayed in the labeling (see				
Sectron 3: Composition/information on ingredients 3.1. Substance Substance type : Mone-constituent Tradit discomethanesulon/instance Product identifier % Classification (GHS-US) Fill text of H-phrases: see section 16 Star Core, 18, H314 Event Description of first ald measures First-aid measures general : In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). More the affected personnel away from the contrainisted area. First-aid measures after inhalation :: Remove person to thesh air and keep controlate to the trading, gev artificial respiration. Get immediate medical advice/attention. First-aid measures after skin contact :: Wash with pienty do sop and water. Remove controlate to the vale/weightention. First-aid measures after skin contact :: Wash with pienty do sop and water. Remove controlate to the vale/weightention. First-aid measures after skin contact :: Wash with pienty do sop and water. Remove contact lenses, if present and desy to do. Contrue rinsing. Get immediate medical advice/attention. First-aid measures after inhalation :: The most important known symptoms and effects are described in the labelling (see section 2.2) and/oi in section 11. Symptoms/injuries :: The most important known symptoms and effects are described in the labelling (see section 2.2) and/oi in section 11. Symptoms/injuries after inhalation				
3.1. Substance Substance type : Mono-constituent Name Product identifier % Classification (GHS-US) Trigit/Inscrementanesultons/Imetiane ICAS Not B0005-12-1 <= 100	Not applicable			
Substance type : Mono-constituent Name Product identifier % Classification (GHS-US) Tignifutioncentainesultarity/methane ICAS Noi 60805-12-1 % = 100 Skin Corn. 18, H314 Eye Dam. 1, H313 Fignifutioncentainesultarity/methane ICAS Noi 60805-12-1 % = 100 Skin Corn. 18, H314 Eye Dam. 1, H313 Z. Mixture ICAS Noi 60805-12-1 % = 100 Skin Corn. 18, H314 Eye Dam. 1, H313 Statuse Statuse ICAS Noi 60805-12-1 % = 100 Skin Corn. 18, H314 Statuse Statuse ICAS Noi 60805-12-1 % = 100 Skin Corn. 18, H314 Statuse Statuse ICAS Noi 60805-12-1 % = 100 Skin Corn. 18, H314 Statuse Statuse ICAS Noi 60805-12-1 % = 100 Skin Corn. 18, H314 Statuse Statuse ICAS Noi 60805-12-1 % = 100 Skin Corn. 18, H314 Statuse Statuse ICAS Noi 60805-12-1 Most Important Scatuse ICAS Noi 60805-12-1 Statuse ICAS Noi 60805-12-1 ICAS Noi 60805-12-1 ICAS Noi 60805-12-1 ICAS Noi 60805-12-1 Statuse </td <td>SECTION 3: Composition/informatior</td> <td>on ingredients</td> <td></td> <td></td>	SECTION 3: Composition/informatior	on ingredients		
Name Product identifier % Classification (GHS-US) Trightilizeromethanesulteryl/methane (CAS No) 68805-12-1 immonitation Sin Corr. 18, H31 4 Evel text of H-phrases: see section 16 3.2 Mixture Not applicable SECTION 4: First aid measures First-aid measures First-aid measures general : In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). More the affected personnel away from the contaminated area. First-aid measures after inhalation : Remove person to tresh air and keep comfortable for breshing. If not breshing, and keep comfortable for breshing. If not breshing and keep comfortable medical advice/attention. First-aid measures after eye contact : Immediate medical advice/attention. First-aid measures after ingestion : Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rise mound out whit were. Get immediate medical advice/attention. 42. Most important symptoms and effects, both acute and delayed Symptoms/injuries : The most specinal frees. 53.<	3.1. Substance			
Institutionomethanesutonyl/methane (243 No) 60805-12-1 <= 100	Substance type	Mono-constituent		
Main construction Even Construction Even Construction Even Construction Full text of H-phrases; see section 16 33.0 Misture Not applicable SECTION 4: First alid measures First-alid measures general : In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). Move the affected personnel away from the contaminated area. First-alid measures general : In case of accident or if you feel unwell, seek medical advice itemediately (show the label where possible). Move the affected personnel away from the contaminated area. First-alid measures after skin contact : Wash with penny of soag and water. Remove contaminated orea. First-aid measures after eve contact : Immediately flush eves throughly with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get immediate medical advice/attention. First-aid measures after inpestion : Do NOT indue versiming. Aver ray water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get immediate medical advice/attention. 4.2. Most important symptoms and effects, both acute and delayed Symptoms/injuries : The most important known symptoms and effects are described in the labeling (see section 2.2) and/or in section 11. Symptoms/injuries : Alcohol resistant foam. Carbon dioxide. Dry powder. Water spray. Use extinguishing media appropriate for surrounding fire.	Name	Product identifier	%	
3.2. Mixture Not applicable SECTION 4: First aid measures First-aid measures general : In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). Move the affected personnel away from the contaminated area. First-aid measures after inhalation : Remove person to fresh air and keep conflorable for breathing. If not breathing, give artificial respiration. Get immediate medical advice/attention. First-aid measures after skin contact : Wash with plenty of scap and water. Remove contaminated area. First-aid measures after skin contact : Wash with plenty of scap and water. Remove contaminated clothing and shoes. Get immediate medical advice/attention. First-aid measures after system : Do NOT induce vornting. Never give anything by mouth to an unconscious person. Rinse mouth out with water. Get immediate medical advice/attention. First-aid measures after inpestion : Do NOT induce vornting. Never give anything by mouth to an unconscious person. Rinse mouth out with water. Get immediate medical advice/attention. 4.2. Most important symptoms and effects. both acture and delayed : Symptoms/injuries : The most important known symptoms and effects are described in the labeling (see section 2.2) and/or in section 11. Symptoms/injuries : Action of any inmediate medical advice/attention. Statelet site proved attention and special treatment needed : Treat symptomaticall		(CAS No) 60805-12-1	<= 100	Eye Dam. 1, H318
Not applicable SECTION 4: First aid measures First-aid measures general in case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). Move the affected personnel away from the contaminated area. First-aid measures after inhalation First-aid measures after expected advice/attention. First-aid measures after ingestion Do NOT induce vomiting. Never give anything by mouth to an uncorscicus person. Rinse mouth out with water. Get immediate medical advice/attention. 4.2. Most important symptoms and effects, both acute and delayed Symptoms/injuries The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11. Symptoms/injuries after inhalation Material is destructive to tissue of the mucuous membranes and upper respiratory tract. Cough, shortness of breath, headache, nausea. 5.1. Extinguishing media Suitable extinguishing instructions Since S	Full text of H-phrases: see section 16		· · ·	·
SECTION 4: First aid measures 4.1. Description of first aid measures First-aid measures general : In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). Move the affected personnel away from the contaminated area. First-aid measures after inhalation :: Remove person to fresh air and keep comfortable for breathing. If not breathing, give artificial respiration. Get immediate medical advice/attention. First-aid measures after skin contact :: Wash with plenty of scap and water. Remove contaminated clothing and shoes. Get immediate medical advice/attention. First-aid measures after skin contact :: Wash with plenty of scap and water. Remove contaminated clothing and shoes. Get immediate medical advice/attention. First-aid measures after skin contact :: Wash with plenty of scap and water. Remove contaminated is advice/attention. First-aid measures after skin contact :: Wash with yets thorough with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get immediate medical advice/attention. First-aid measures after ingestion :: Do NOT induce worniting. Never give anything by mouth to an unconscious person. Rinse mouth out with water. Get immediate medical advice/attention. Symptoms/injuries :: The most important known symptoms and effects are described in the labeling (see section 2.2) and/or in section 11. Symptoms/injuries :: The most important known symptoms and effects are described in the labeling see sect	3.2. Mixture			
4.1. Description of first aid measures First-aid measures general : In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). Move the affected personnel away from the contaminated area. First-aid measures after inhalation : Remove person to tresh air and keep comfortable for breathing. If not breathing, give artificial respiration. Get immediate medical advice/attention. First-aid measures after skin contact : Wash with plenty of soap and water. Remove contaminated clothing and shoes. Get immediate medical advice/attention. First-aid measures after ingestion : Immediately flush eyes thoroughly with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue minsing. Cet immediate medical advice/attention. 4.2. Most important symptoms and effects, both acute and delayed Symptoms/injuries : The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11. Symptoms/injuries after inhalation : Material is destructive to tissue of the mucuous membranes and upper respiratory tract. Cough, shortness of breath, headache, nausea. 5.1. Exitinguishing media : Alcohol resistant foam. Carbon dioxide. Dry powder. Water spray. Use extinguishing media appropriate for surrounding fire. 5.2. Special hazards arising from the substance or mixture Fire facton of site and deorgency procedures. Firefighting instructions : In case of fire: Evacuate a				
First-aid measures general : In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). Move the affected personnel away from the contaminated area. First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing, give artificial respiration. Get immediate medical advice/attention. First-aid measures after eye contact : Wash with plenty of soag and water. Remove contaminated clothing and shoes. Get immediate medical advice/attention. First-aid measures after eye contact : Immediately flush eyes thoroughly with water for at least 15 minutes. Remove contaminated clothing and shoes. Get immediate medical advice/attention. 4.2. Most important symptoms and effects, both acute and delayed Symptoms/injuries : The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11. Symptoms/injuries after inhalation : Material is destructive to tissue of the mucuous membranes and upper respiratory tract. Cough, shortness of breath, headache, nausea. 4.3. Indication of any immediate medical attention and special treatment needed Treat symptomatically. : Alcohol resistant foam. Carbon dioxide. Dry powder. Water spray. Use extinguishing media apropriate for surrounding fire. 5.1. Extinguishing media : In case of fire: Evacuate area. 5.2. Special hazards arising from the substance or mixture Firefighting instructions	SECTION 4: First aid measures			
where possible). Move the affected personnal awy from the contaminated area. First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing. If not breathing, give artificial respiration. Get immediate medical advice/attention. First-aid measures after skin contact : Wash with plenty of soap and water. Remove contaminated clothing and shoes. Get immediate medical advice/attention. First-aid measures after eye contact : Immediately flush eyes thoroughly with water for at least 15 minutes. Remove contact lenses, if present and easy to 6. Continue finsing. Get immediate medical advice/attention. First-aid measures after ingestion : Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth out with water. Get immediate medical advice/attention. 42. Most important symptoms and effects, both acute and delayed Symptoms/injuries : The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11. Symptoms/injuries after inhalation : Material is destructive to tissue of the mucuous membranes and upper respiratory tract. Cough, shortness of breath, headache, nausea. 5.1. Extinguishing media : Alcohol resistant foam. Carbon dioxide. Dry powder. Water spray. Use extinguishing media appropriate for surrounding fre. 5.2. Special hazards arising from the substance or mixture Fireflying instructions : In case of fire: Evacuate area.	4.1. Description of first aid measures			
First-aid measures after skin contact : Wash with plenty of soap and water. Remove contaminated clothing and shoes. Get immediate medical advice/attention. First-aid measures after skin contact : Wash with plenty of soap and water. Remove contaminated clothing and shoes. Get immediate medical advice/attention. First-aid measures after eye contact : Immediately flush eyes thoroughly with water for at least 15 minutes. Remove contact lenses, if present and easy to 60. Continue rinsing. Get immediate medical advice/attention. First-aid measures after ingestion : Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth out with water. Get immediate medical advice/attention. 4.2. Most important symptoms and effects, both acute and delayed Symptoms/injuries : The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11. Symptoms/injuries after inhalation : Material is destructive to tissue of the mucuous membranes and upper respiratory tract. Cough, shortness of breath, headache, nausea. 4.3. Indication of any immediate medical attention and special treatment needed Treat symptomatically. : Settinguishing media : Alcohol resistant foam. Carbon dioxide. Dry powder. Water spray. Use extinguishing media appropriate for surrounding fire. 5.1. Extinguishing media : Alcohol resistant foam. Carbon dioxide. Dry powder. Water spray. Use extinguishing media appropriate for surrounding fire.	First-aid measures general	where possible). Move the affected pers	onnel away from the	contaminated area.
medical advice/attention. First-aid measures after eye contact : Immediately flush eyes thoroughly with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get immediate medical advice/attention. First-aid measures after ingestion : Do NOT induce voniting. Never give anything by mouth to an unconscious person. Rinse mouth out with water. Get immediate medical advice/attention. 4.2. Most important symptoms and effects, both acute and delayed Symptoms/injuries : The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11. Symptoms/injuries after inhalation : Material is destructive to tissue of the mucuous membranes and upper respiratory tract. Cough, shortness of breath, headache, nausea. 4.3. Indication of any immediate medical attention and special treatment needed Treat symptomatically. SECTION 5: Firefighting measures 5.1. Extinguishing media Suitable extinguishing media : Alcohol resistant foam. Carbon dioxide. Dry powder. Water spray. Use extinguishing media appropriate for surrounding fire. 5.2. Special hazards arising from the substance or mixture Fire hazard : In case of fire: Evacuate area. Protection during firefighting : Water gas tight chemically protective clothing in combination with self contained breathing apparatus. For further information refer to section 8: "Exposure controls/personal	First-aid measures after inhalation			ng. If not breathing, give artificial
First-aid measures after ingestion present and easy to do. Continue rinsing. Get immediate medical advice/attention. First-aid measures after ingestion : Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth out with water. Get immediate medical advice/attention. 4.2. Most important symptoms and effects, both acute and delayed Symptoms/injuries : The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11. Symptoms/injuries after inhalation : Material is destructive to tissue of the mucuous membranes and upper respiratory tract. Cough, shortness of breath, headache, nausea. 4.3. Indication of any immediate medical attention and special treatment needed Treat symptomatically. SECTION 5: Firefighting measures 5.1. Extinguishing media Suitable extinguishing media : Alcohol resistant foam. Carbon dioxide. Dry powder. Water spray. Use extinguishing media appropriate for surrounding fire. 5.2. Special hazards arising from the substance or mixture Firefighting instructions : In case of fire: Evacuate area. Protection during firefighting : Wear gas tight chemically protective clothing in combination with self contained breathing appraratus. For further information refer to section 8: "Exposure controls/personal protection". SECTION 6: Accidental release measures : In case of fire: Evacuate area. <	First-aid measures after skin contact		move contaminated of	clothing and shoes. Get immediate
A2. Most important symptoms and effects, both acute and delayed Symptoms/injuries : The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11. Symptoms/injuries after inhalation : Material is destructive to tissue of the mucuous membranes and upper respiratory tract. Cough, shortness of breath, headache, nausea. 4.3. Indication of any immediate medical attention and special treatment needed Treat symptomatically. SECTION 5: Firefighting measures 5.1. Extinguishing media Suitable extinguishing media : Alcohol resistant foam. Carbon dioxide. Dry powder. Water spray. Use extinguishing media appropriate for surrounding fire. 5.2. Special hazards arising from the substance or mixture Fire hazard : In crase of fire: Evacuate area. Protection during firefighting : Wear gas tight chemically protective clothing in combination with self contained breathing apparatus. For further information refer to section 8: "Exposure controls/personal protection". SECTION 6: Accidential release measures : Evacuate anee. 6.1. Per sonal precautions, protective equipment and emergency procedures General measures : Evacuate unnecessary personnel. Ensure adequate air ventilation. Do not breathe dust. 6.1.1. For ono-emergency personnel : Only qualified personnel equipped with suit	First-aid measures after eye contact	present and easy to do. Continue rinsing	g. Get immediate med	dical advice/attention.
Symptoms/injuries : The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11. Symptoms/injuries after inhalation : Material is destructive to tissue of the mucuous membranes and upper respiratory tract. Cough, shortness of breath, headache, nausea. 4.3. Indication of any immediate medical attention and special treatment needed Treat symptomatically. SECTION 5: Firefighting measures 5.1. Extinguishing media Suitable extinguishing media : Alcohol resistant foam. Carbon dioxide. Dry powder. Water spray. Use extinguishing media appropriate for surrounding fire. 5.2. Special hazards arising from the substance or mixture Fire hazard : Thermal decomposition generates: Carbon oxides. Hydrogen fluoride. Sulfur oxides. 5.3. Advice for firefighters Firedighting instructions : In case of fire: Evacuate area. Protection during firefighting : Wear gas tight chemically protective clothing in combination with self contained breathing apparatus. For further information refer to section 8: "Exposure controls/personal protection". SECTION 6: Accidental release measures : Evacuate unnecessary personnel. Ensure adequate air ventilation. Do not breathe dust. 6.1. For non-mergency personnel : Only qualified personnel equipped with suitable protective equipment may intervene. 6.1.1.	First-aid measures after ingestion			
2.2) and/or in section 11. Symptoms/injuries after inhalation : Material is destructive to tissue of the mucuous membranes and upper respiratory tract. Cough, shortness of breath, headache, nausea. 4.3. Indication of any immediate medical attention and special treatment needed Treat symptomatically. SECTION 5: Firefighting measures 5.1. Extinguishing media Suitable extinguishing media : Alcohol resistant foam. Carbon dioxide. Dry powder. Water spray. Use extinguishing media appropriate for surrounding fire. 5.2. Special hazards arising from the substance or mixture Fire hazard : Thermal decomposition generates: Carbon oxides. Hydrogen fluoride. Sulfur oxides. 5.3. Advice for firefighters Firefighting instructions : In case of fire: Evacuate area. Protection during firefighting : Wear gas tight chemically protective clothing in combination with self contained breathing apparatus. For further information refer to section 8: "Exposure controls/personal protection". SECTION 6: Accidental release measures : Evacuate unnecessary personnel. Ensure adequate air ventilation. Do not breathe dust. 6.1. For non-emergency personnel : Only qualified personnel equipped with suitable protective equipment may intervene. 6.1.1. For mengency responders : Only qualified personnel equipped with suitable protective equipment. For	4.2. Most important symptoms and effect	, both acute and delayed		
4.3. Indication of any immediate medical attention and special treatment needed Treat symptomatically. SECTION 5: Firefighting measures 5.1. Extinguishing media Suitable extinguishing media : Alcohol resistant foam. Carbon dioxide. Dry powder. Water spray. Use extinguishing media appropriate for surrounding fire. 5.2. Special hazards arising from the substance or mixture Fire hazard : Thermal decomposition generates: Carbon oxides. Hydrogen fluoride. Sulfur oxides. 5.3. Advice for firefighters Firefighting instructions : In case of fire: Evacuate area. Protection during firefighting : Wear gas tight chemically protective clothing in combination with self contained breathing apparatus. For further information refer to section 8: "Exposure controls/personal protection". SECTION 6: Accidental release measures : Evacuate unnecessary personnel. Ensure adequate air ventilation. Do not breathe dust. 6.1. Personal precautions, protective equipment and emergency procedures General measures : Evacuate unnecessary personnel. Ensure adequate air ventilation. Do not breathe dust. 6.1.1. For non-emergency personnel Emergency procedures : Only qualified personnel equipped with suitable protective equipment may intervene. 6.1.2. For emergency responders	Symptoms/injuries		nd effects are describ	ed in the labelling (see section
Treat symptomatically. SECTION 5: Firefighting measures 5.1. Extinguishing media Suitable extinguishing media : Alcohol resistant foam. Carbon dioxide. Dry powder. Water spray. Use extinguishing media appropriate for surrounding fire. 5.2. Special hazards arising from the substance or mixture Fire hazard : Thermal decomposition generates: Carbon oxides. Hydrogen fluoride. Sulfur oxides. 5.3. Advice for firefighters Firefighting instructions : In case of fire: Evacuate area. Protection during firefighting : Wear gas tight chemically protective clothing in combination with self contained breathing apparatus. For further information refer to section 8: "Exposure controls/personal protection". SECTION 6: Accidental release measures : Evacuate unnecessary personnel. Ensure adequate air ventilation. Do not breathe dust. 6.1.1. For non-emergency personnel : Only qualified personnel equipped with suitable protective equipment may intervene. 6.1.2. For emergency responders : Only qualified personnel equipped with suitable protective equipment. For further information	Symptoms/injuries after inhalation			and upper respiratory tract. Cough,
SECTION 5: Firefighting measures 5.1. Extinguishing media Suitable extinguishing media : Alcohol resistant foam. Carbon dioxide. Dry powder. Water spray. Use extinguishing media appropriate for surrounding fire. 5.2. Special hazards arising from the substance or mixture Fire hazard : Thermal decomposition generates: Carbon oxides. Hydrogen fluoride. Sulfur oxides. 5.3. Advice for firefighters Firefighting instructions : In case of fire: Evacuate area. Protection during firefighting : Wear gas tight chemically protective clothing in combination with self contained breathing apparatus. For further information refer to section 8: "Exposure controls/personal protection". SECTION 6: Accidental release measures : Evacuate unnecessary personnel. Ensure adequate air ventilation. Do not breathe dust. 6.1. Personal precautions, protective equipment and emergency procedures General measures : Conly qualified personnel equipped with suitable protective equipment may intervene. 6.1.1. For emergency responders Protective equipment : Do not attempt to take action without suitable protective equipment. For further information	4.3. Indication of any immediate medical	ttention and special treatment needed		
5.1. Extinguishing media Alcohol resistant foam. Carbon dioxide. Dry powder. Water spray. Use extinguishing media appropriate for surrounding fire. 5.2. Special hazards arising from the substance or mixture Fire hazard : Thermal decomposition generates: Carbon oxides. Hydrogen fluoride. Sulfur oxides. 5.3. Advice for firefighters Firefighting instructions : In case of fire: Evacuate area. Protection during firefighting : Wear gas tight chemically protective clothing in combination with self contained breathing apparatus. For further information refer to section 8: "Exposure controls/personal protection". SECTION 6: Accidental release measures 6.1. 6.1. Personal precautions, protective equipment and emergency procedures General measures : Evacuate unnecessary personnel. Ensure adequate air ventilation. Do not breathe dust. 6.1.1. For non-emergency personnel Emergency procedures : Only qualified personnel equipped with suitable protective equipment may intervene. 6.1.2. For emergency responders Protective equipment : Do not attempt to take action without suitable protective equipment. For further information	Treat symptomatically.			
5.1. Extinguishing media Alcohol resistant foam. Carbon dioxide. Dry powder. Water spray. Use extinguishing media appropriate for surrounding fire. 5.2. Special hazards arising from the substance or mixture Fire hazard : Thermal decomposition generates: Carbon oxides. Hydrogen fluoride. Sulfur oxides. 5.3. Advice for firefighters Firefighting instructions : In case of fire: Evacuate area. Protection during firefighting : Wear gas tight chemically protective clothing in combination with self contained breathing apparatus. For further information refer to section 8: "Exposure controls/personal protection". SECTION 6: Accidental release measures 6.1. General measures : Evacuate unnecessary personnel. Ensure adequate air ventilation. Do not breathe dust. 6.1.1. For non-emergency personnel Emergency procedures : Only qualified personnel equipped with suitable protective equipment may intervene. 6.1.2. For emergency responders Protective equipment : Do not attempt to take action without suitable protective equipment. For further information	SECTION 5: Firefighting measures			
appropriate for surrounding fire. 5.2. Special hazards arising from the substance or mixture Fire hazard : Thermal decomposition generates: Carbon oxides. Hydrogen fluoride. Sulfur oxides. 5.3. Advice for firefighters Firefighting instructions : In case of fire: Evacuate area. Protection during firefighting : Wear gas tight chemically protective clothing in combination with self contained breathing apparatus. For further information refer to section 8: "Exposure controls/personal protection". SECTION 6: Accidental release measures 6.1. 6.1. Personal precautions, protective equipment and emergency procedures General measures : Evacuate unnecessary personnel. Ensure adequate air ventilation. Do not breathe dust. 6.1.1. For non-emergency personnel Emergency procedures : Only qualified personnel equipped with suitable protective equipment may intervene. 6.1.2. For emergency responders Protective equipment : Do not attempt to take action without suitable protective equipment. For further information				
Fire hazard : Thermal decomposition generates: Carbon oxides. Hydrogen fluoride. Sulfur oxides. 5.3. Advice for firefighters Firefighting instructions : In case of fire: Evacuate area. Protection during firefighting : Wear gas tight chemically protective clothing in combination with self contained breathing apparatus. For further information refer to section 8: "Exposure controls/personal protectior". SECTION 6: Accidental release measures 6.1. 6.1. Personal precautions, protective equipment and emergency procedures General measures : Evacuate unnecessary personnel. Ensure adequate air ventilation. Do not breathe dust. 6.1.1. For non-emergency personnel Emergency procedures : Only qualified personnel equipped with suitable protective equipment may intervene. 6.1.2. For emergency responders Protective equipment : Do not attempt to take action without suitable protective equipment. For further information			Dry powder. Water s	pray. Use extinguishing media
5.3. Advice for firefighters Firefighting instructions : In case of fire: Evacuate area. Protection during firefighting : Wear gas tight chemically protective clothing in combination with self contained breathing apparatus. For further information refer to section 8: "Exposure controls/personal protection". SECTION 6: Accidental release measures 6.1. Personal precautions, protective equipment and emergency procedures General measures : Evacuate unnecessary personnel. Ensure adequate air ventilation. Do not breathe dust. 6.1.1. For non-emergency personnel : Only qualified personnel equipped with suitable protective equipment may intervene. 6.1.2. For emergency responders : Do not attempt to take action without suitable protective equipment. For further information	5.2. Special hazards arising from the sub	tance or mixture		
Firefighting instructions : In case of fire: Evacuate area. Protection during firefighting : Wear gas tight chemically protective clothing in combination with self contained breathing apparatus. For further information refer to section 8: "Exposure controls/personal protection". SECTION 6: Accidental release measures 6.1. Personal precautions, protective equipment and emergency procedures General measures : Evacuate unnecessary personnel. Ensure adequate air ventilation. Do not breathe dust. 6.1.1. For non-emergency personnel : Only qualified personnel equipped with suitable protective equipment may intervene. 6.1.2. For emergency responders : Do not attempt to take action without suitable protective equipment. For further information			oon oxides. Hydrogen	fluoride. Sulfur oxides.
Firefighting instructions : In case of fire: Evacuate area. Protection during firefighting : Wear gas tight chemically protective clothing in combination with self contained breathing apparatus. For further information refer to section 8: "Exposure controls/personal protection". SECTION 6: Accidental release measures 6.1. Personal precautions, protective equipment and emergency procedures General measures : Evacuate unnecessary personnel. Ensure adequate air ventilation. Do not breathe dust. 6.1.1. For non-emergency personnel : Only qualified personnel equipped with suitable protective equipment may intervene. 6.1.2. For emergency responders : Do not attempt to take action without suitable protective equipment. For further information	5.3. Advice for firefighters		-	
Protection during firefighting : Wear gas tight chemically protective clothing in combination with self contained breathing apparatus. For further information refer to section 8: "Exposure controls/personal protection". SECTION 6: Accidental release measures 6.1. 6.1. Personal precautions, protective equipment and emergency procedures General measures : Evacuate unnecessary personnel. Ensure adequate air ventilation. Do not breathe dust. 6.1.1. For non-emergency personnel Emergency procedures : Only qualified personnel equipped with suitable protective equipment may intervene. 6.1.2. For emergency responders Protective equipment : Do not attempt to take action without suitable protective equipment. For further information	Ŭ	In case of fire: Evacuate area.		
6.1. Personal precautions, protective equipment and emergency procedures General measures : Evacuate unnecessary personnel. Ensure adequate air ventilation. Do not breathe dust. 6.1.1. For non-emergency personnel Emergency procedures : Only qualified personnel equipped with suitable protective equipment may intervene. 6.1.2. For emergency responders Protective equipment : Do not attempt to take action without suitable protective equipment. For further information		a b b b c	0	5
General measures : Evacuate unnecessary personnel. Ensure adequate air ventilation. Do not breathe dust. 6.1.1. For non-emergency personnel : Only qualified personnel equipped with suitable protective equipment may intervene. 6.1.2. For emergency responders : Do not attempt to take action without suitable protective equipment. For further information	SECTION 6: Accidental release meas	ires		
6.1.1. For non-emergency personnel Emergency procedures : Only qualified personnel equipped with suitable protective equipment may intervene. 6.1.2. For emergency responders : Do not attempt to take action without suitable protective equipment. For further information	6.1. Personal precautions, protective equ	pment and emergency procedures		
Emergency procedures : Only qualified personnel equipped with suitable protective equipment may intervene. 6.1.2. For emergency responders : Do not attempt to take action without suitable protective equipment. For further information	General measures	Evacuate unnecessary personnel. Ensu	re adequate air ventil	ation. Do not breathe dust.
6.1.2. For emergency responders Protective equipment : Do not attempt to take action without suitable protective equipment. For further information	6.1.1. For non-emergency personnel			uinment mey intervene
Protective equipment : Do not attempt to take action without suitable protective equipment. For further information	0 11	Only qualified personnel equipped with a	suitable protective og	
	0 11	Only qualified personnel equipped with s	suitable protective eq	upment may intervene.

Avoid release to the environment. Notify authorities if product enters sewers or public waters.

Safety Data Sheet

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

6.3. Methods and material for com	tainment and cleaning up
For containment	: Stop leak if safe to do so.
Methods for cleaning up	: Sweep or shovel spills into appropriate container for disposal. Minimize generation of dust.
Other information	: For disposal of solid materials or residues refer to section 13 : "Disposal considerations".
6.4. Reference to other sections	
No additional information available	
SECTION 7: Handling and stora	ge
7.1. Precautions for safe handling	
Precautions for safe handling	Do not handle until all safety precautions have been read and understood. Ensure good ventilation of the work station. Do not breathe dust, mist, spray. Wear personal protective equipment. Avoid contact with skin and eyes.
Hygiene measures	: Handle in accordance with good industrial hygiene and safety procedures. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.
7.2. Conditions for safe storage, in	ncluding any incompatibilities
Technical measures	: Comply with applicable regulations.
Storage conditions	: Keep container closed when not in use. Hygroscopic. Moisture sensitive. Keep contents under inert gas.
Incompatible materials	: Refer to Section 10 on Incompatible Materials.
Storage area	: Store in dry, cool, well-ventilated area.

SECTION 8: Exposure controls/personal protection

8.1. **Control parameters**

No additional information available

8.2. Exposure controls	
Appropriate engineering controls	: Ensure good ventilation of the work station. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.
Hand protection	: Protective gloves. 29 CFR 1910.138: Hand Protection.
Eye protection	: Chemical goggles or safety glasses. Face shield. 29 CFR 1910.133: Eye and Face Protection.
Skin and body protection	: Wear suitable protective clothing.
Respiratory protection	: In case of inadequate ventilation wear respiratory protection. 29 CFR 1910.134: Respiratory Protection.
Other information	: Safety shoes. 29 CFR 1910.136: Foot Protection.

SECTION 9: Physical and chemica	l properties		
9.1. Information on basic physical and	d chemical properties		
Physical state	: Solid		
Color	: No data available		
Odor	: No data available		
Odor threshold	: No data available		
рН	: No data available		
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		
Explosion limits	: No data available		
Explosive properties	: No data available		
Oxidizing properties	: No data available		
Vapor pressure	: No data available		
Relative density	: No data available		
Relative vapor density at 20 °C	: No data available		
Molecular mass	: 412.23 g/mol		
07/31/2017	EN (English US)	SDS ID: 6163303	3/7

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

Solubility	: No data available
Log Pow	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available

9.2. **Other information**

No additional information available

SECT	ION 10: Stability and reactivity
10.1.	Reactivity
	itional information available
10.2.	Chemical stability
The pro	duct is stable at normal handling and storage conditions.
10.3.	Possibility of hazardous reactions
No add	itional information available
10.4.	Conditions to avoid
Keep av	way from heat, sparks and flame.
10.5.	Incompatible materials
Strong	acids. Strong oxidizing agents. Water.
10.6.	Hazardous decomposition products
	normal conditions of storage and use, hazardous decomposition products should not be produced. Hazardous decomposition products in case of e Section 5.
SECT	ION 11: Toxicological information

Information on toxicological effects 11.1.

Acute toxicity	: Not classified
Skin corrosion/irritation	: Causes severe skin burns and eye damage.
Serious eye damage/irritation	: Causes serious eye damage.
Respiratory or skin sensitization	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
Specific target organ toxicity (single exposure)	: May cause respiratory irritation.
Specific target organ toxicity (repeated exposure)	: Not classified
Aspiration hazard	: Not classified
Symptoms/injuries after inhalation	: Material is destructive to tissue of the mucuous membranes and upper respiratory tract. Cough, shortness of breath, headache, nausea.

SECTIO	DN 12: Ecological information
12.1.	Toxicity
No additio	onal information available
12.2.	Persistence and degradability
No additio	onal information available
12.3.	Bioaccumulative potential
No additio	onal information available
12.4.	Mobility in soil
No additio	onal information available

Safety Data Sheet

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

12.5. Other adverse effects

No additional information available

SECTION 13: Disposal consideration	IS
13.1. Waste treatment methods	
Waste treatment methods	: Remove to an authorized incinerator equipped with an afterburner and a flue gas scrubber.
Waste disposal recommendations	: Dispose of contents/container in accordance with licensed collector's sorting instructions.
Additional information	: Recycle the material as far as possible.
SECTION 14: Transport information	
Department of Transportation (DOT)	
In accordance with DOT	
Transport document description	: UN3263 Corrosive solid, basic, organic, n.o.s., 8, III
UN-No.(DOT)	: UN3263
Proper Shipping Name (DOT)	: Corrosive solid, basic, organic, n.o.s.
Transport hazard class(es) (DOT)	: 8 - Class 8 - Corrosive material 49 CFR 173.136
Hazard labels (DOT)	: 8 - Corrosive
Packing group (DOT)	: III - Minor Danger
DOT Packaging Non Bulk (49 CFR 173.xxx)	: 213
DOT Packaging Bulk (49 CFR 173.xxx)	: 240
DOT Symbols	: G - Identifies PSN requiring a technical name
DOT Special Provisions (49 CFR 172.102)	 IB8 - Authorized IBCs: Metal (11A, 11B, 11N, 21A, 21B, 21N, 31A, 31B and 31N); Rigid plastics (11H1, 11H2, 21H1, 21H2, 31H1 and 31H2); Composite (11HZ1, 11HZ2, 21HZ1, 21HZ2, 31HZ1 and 31HZ2); Fiberboard (11G); Wooden (11C, 11D and 11F); Flexible (13H1, 13H2, 13H3, 13H4, 13H5, 13L1, 13L2, 13L3, 13L4, 13M1 or 13M2). IP3 - Flexible IBCs must be sift-proof and water-resistant or must be fitted with a sift-proof and water-resistant liner. T1 - 1.5 178.274(d)(2) Normal 178.275(d)(2) TP33 - The portable tank instruction assigned for this substance applies for granular and powdered solids and for solids which are filled and discharged at temperatures above their melting point which are cooled and transported as a solid mass. Solid substances transported
	or offered for transport above their melting point are authorized for transportation in portable tanks conforming to the provisions of portable tank instruction T4 for solid substances of packing group III or T7 for solid substances of packing group II, unless a tank with more stringent requirements for minimum shell thickness, maximum allowable working pressure, pressure-relief devices or bottom outlets are assigned in which case the more stringent tank instruction and special provisions shall apply. Filling limits must be in accordance with portable tank special provision TP3. Solids meeting the definition of an elevated temperature material must be transported in accordance with the applicable requirements of this subchapter.
DOT Packaging Exceptions (49 CFR 173.xxx)	: 154
DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27)	: 25 kg
DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75)	: 100 kg

DOT Vessel Stowage Location

 DOT Vessel Stowage Other
 : 52 - Stow "separated from" acids

Other information : No supplementary information available.

TDG

No additional information available

: A - The material may be stowed "on deck" or "under deck" on a cargo vessel and on a

Safety Data Sheet

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

Transport by sea	
UN-No. (IMDG)	: 3263
Proper Shipping Name (IMDG)	: CORROSIVE SOLID, BASIC, ORGANIC, N.O.S.
Class (IMDG)	: 8 - Corrosive substances
Packing group (IMDG)	: III - substances presenting low danger
Air transport	
UN-No. (IATA)	: 3263
Proper Shipping Name (IATA)	: Corrosive solid, basic, organic, n.o.s.
Class (IATA)	: 8 - Corrosives
Packing group (IATA)	: III - Minor Danger

SECTION 15: Regulatory information

15.1. US Federal 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 except for:

		CAS No 60805-12-1	100%
--	--	-------------------	------

This product or mixture does not contain a toxic chemical or chemicals in excess of the applicable de minimis concentration as specified in 40 CFR §372.38(a) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

15.2. International regulations

CANADA

No additional information available

EU-Regulations

No additional information available

National regulations

Tris(trifluoromethanesulfonyl)methane (60805-12-1)

Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China) Listed on the TCSI (Taiwan Chemical Substance Inventory)

15.3. US State regulations

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

SECTION 16: Other information

Full text of H-phrases:

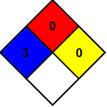
Eye Dam. 1	Serious eye damage/eye irritation Category 1
Skin Corr. 1B	Skin corrosion/irritation Category 1B
STOT SE 3	Specific target organ toxicity (single exposure) Category 3
H314	Causes severe skin burns and eye damage
H318	Causes serious eye damage
H335	May cause respiratory irritation

NFPA health hazard

NFPA fire hazard NFPA reactivity

 3 - Short exposure could cause serious temporary or residual injury even though prompt medical attention was given. 	
: 0 - Materials that will not burn.	
: 0 - Normally stable, even under fire exposure conditions.	

0 - Normally stable, even under fire exposure conditions, and are not reactive with water.



Safety Data Sheet

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

HMIS III Rating	
Health	: 3 Serious Hazard - Major injury likely unless prompt action is taken and medical treatment is given
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.

SDS US (GHS HazCom 2012)

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is offered solely for your consideration, investigation, and verification. It does not represent any guarantee of the properties of the product nor that the hazard precautions or procedures described are the only ones which exist. SynQuest shall not be held liable or any damage resulting from handling or from contact with the above product.