SAFETY DATA SHEET



Revision Date 24-Jan-2023

Version 1

1. IDENTIFICATION OF THE	SUBSTANCE/PREPARATION AND OF	THE COMPANY/UNDERTAKING			
Product identifier					
Product Name	KC-635 HF				
Other means of identification					
Product Code	20565				
Recommended use of the chemica					
Recommended Use	Sanitizer and disinfectant				
Uses advised against	Follow the directions for use on the label when a	applying this product			
Details of the supplier of the safety					
Manufacturer Address					
Safe Foods Chemical Innovations					
1501 E. 8 th Street					
North Little Rock, AR 72114					
Emergency telephone number					
Company Phone Number	501-758-8500				
Emergency Telephone	Chemtrec 1-800-424-9300				
	2. HAZARDS IDENTIFICATION				
Classification	2. HALANDO IDLINII IOANON				
OSHA Regulatory Status					
	us by the 2012 OSHA Hazard Communication Star	odard (20 CER 1010 1200)			
Acute toxicity - Oral	as by the 2012 OSHA Hazard Communication Star	Category 4			
Skin corrosion/irritation		Category 2			
Serious eye damage/eye irritation		Category 2			
Label elements		Category			
	Emergency Overview				
Denser	Enlergency Overview				
Danger Hazard statements					
Harmful if swallowed					
Causes skin irritation					
Causes serious eye damage					
Appearance Aqueous solution	Physical state Liquid	Odor Benzaldehyde			
Precautionary Statements - Preven		Cuci Denzaldenyde			
Wash face, hands and any exposed s					
Do not eat, drink or smoke when usin					
Wear protective gloves/protective clot					
Precautionary Statements - Respon					
Specific treatment (see Section 4 on \$					
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.					
Immediately call a poison center or do					
	p and water. If skin irritation occurs: Get medical a	dvice/attention. Take off contaminated			
clothing and wash before reuse					
	er or doctor if you feel unwell. Rinse mouth				
Precautionary Statements - Dispos					
Dispose of contents/container to an a					
Hazards not otherwise classified (H					
Not Applicable					
Other Information					
 Very toxic to aquatic life with long la 	sting offocts				

3	. COMPOSITION/INFORMATION ON	INGREDIENTS	
Ch	emical Name	CAS No.	weight-%
	Water	7732-18-5	82-87
Alkyl (C14, 50%; C12, 40%; C16	-10%) Dimethyl Benzyl Ammonium Chloride	68424-85-1	4
	nethyl Ammonium Chloride	32426-11-2	3
	ade Secret 1	Proprietary	2-4
Dioctyl Dimet	thyl Ammonium Chloride	5538-94-3	1.5
	thyl Ammonium Chloride	7173-51-5	1.5
	Ethyl Alcohol	64-17-5	1-1.5
	ade Secret 2	Proprietary	0.5-1.5
	Glycerin	56-81-5	< 0.4
*The exact no	ercentage (concentration) of composition has b		
	4. FIRST AID MEASURE		
First aid measures		.0	
General advice	In case of emergency, call a poison control	center or doctor for treatr	nent advice. Have the
Jeneral advice	product container or label with you when ca		
	treatment.		
Eye contact	Hold eye open and rinse slowly and gently	with water for 15-20 minu	tes Remove contact
-ye contact	lenses, if present, after first 5 minutes, then		
Skin contact	Take off contaminated clothing. Rinse skin		f water for 15-20 minutes
nhalation	Move person to fresh air. If person is not br		
	artificial respiration, preferably by mouth-to-		Balance, then give
ngestion	Have person sip a glass of water if able to s		miting unless told to do so
	by a poison control center or doctor. Do not		
	Call a poison control center or doctor imme		
Most important symptoms and	effects, both acute and delayed		
Symptoms	See Section 11 for symptom information.		
	dical attention and special treatment neede	d	
Note to physicians	Probable mucosal damage may contraindic		ide.
	5. FIRE-FIGHTING MEASU		
Suitable extinguishing media	3. TIKE-I IGITTING MEASO		
	Carbon dioxide (CO2) Foam		
Dry chemical. Water spray (fog).			
Dry chemical. Water spray (fog). Unsuitable extinguishing m	edia No information available.		
Dry chemical. Water spray (fog). Unsuitable extinguishing m Specific hazards arising from tl	edia No information available.		
Dry chemical. Water spray (fog). Unsuitable extinguishing m Specific hazards arising from t No information available.	edia No information available. he chemical	han avides. Nitragen avid	les (NOX)
Dry chemical. Water spray (fog). Unsuitable extinguishing m Specific hazards arising from the No information available. Hazardous combustion pro	edia No information available. he chemical	bon oxides. Nitrogen oxic	les (NOx).
Dry chemical. Water spray (fog). Unsuitable extinguishing m Specific hazards arising from the No information available. Hazardous combustion pro Explosion data	edia No information available. he chemical ducts Toxic hydrogen chloride fumes. Car	bon oxides. Nitrogen oxic	les (NOx).
Dry chemical. Water spray (fog). Unsuitable extinguishing m Specific hazards arising from the No information available. Hazardous combustion pro Explosion data Sensitivity to Mechanical In	edia No information available. he chemical ducts Toxic hydrogen chloride fumes. Car npact None.	bon oxides. Nitrogen oxic	les (NOx).
Dry chemical. Water spray (fog). Unsuitable extinguishing m Specific hazards arising from th No information available. Hazardous combustion pro Explosion data Sensitivity to Mechanical In Sensitivity to Static Dischar	edia No information available. he chemical ducts Toxic hydrogen chloride fumes. Car npact None. rge None.	bon oxides. Nitrogen oxic	les (NOx).
Dry chemical. Water spray (fog). (Unsuitable extinguishing m Specific hazards arising from th No information available. Hazardous combustion pro <u>Explosion data</u> Sensitivity to Mechanical In Sensitivity to Static Dischar Protective equipment and prece	edia No information available. he chemical ducts Toxic hydrogen chloride fumes. Car npact None. rge None. autions for firefighters		
Dry chemical. Water spray (fog). (Unsuitable extinguishing m Specific hazards arising from th No information available. Hazardous combustion pro Explosion data Sensitivity to Mechanical In Sensitivity to Static Dischar Protective equipment and prece As in any fire, wear self-contained	edia No information available. he chemical ducts Toxic hydrogen chloride fumes. Car npact None. rge None. autions for firefighters breathing apparatus pressure-demand, MSH.	A/NIOSH (approved or ec	uivalent) and full
Dry chemical. Water spray (fog). (Unsuitable extinguishing m Specific hazards arising from th No information available. Hazardous combustion pro Explosion data Sensitivity to Mechanical In Sensitivity to Static Dischar Protective equipment and prece As in any fire, wear self-contained protective gear. Cool containers v	edia No information available. he chemical ducts Toxic hydrogen chloride fumes. Car hpact None. rge None. autions for firefighters I breathing apparatus pressure-demand, MSH. with flooding quantities of water until well after f	A/NIOSH (approved or ec ire is out. Non-combustib	uivalent) and full
Dry chemical. Water spray (fog). (Unsuitable extinguishing m Specific hazards arising from th No information available. Hazardous combustion pro Explosion data Sensitivity to Mechanical In Sensitivity to Static Dischar Protective equipment and preca As in any fire, wear self-contained protective gear. Cool containers v	edia No information available. he chemical ducts Toxic hydrogen chloride fumes. Car hpact None. rge None. autions for firefighters d breathing apparatus pressure-demand, MSH with flooding quantities of water until well after in heating to produce corrosive and/or toxic fur	A/NIOSH (approved or ec ire is out. Non-combustib nes.	uivalent) and full
Dry chemical. Water spray (fog). (Unsuitable extinguishing m Specific hazards arising from the No information available. Hazardous combustion prove Explosion data Sensitivity to Mechanical In Sensitivity to Mechanical In Sensitivity to Static Dischar Protective equipment and precess As in any fire, wear self-containers wear the formation of the second protective gear. Cool containers wear the second seco	edia No information available. he chemical ducts Toxic hydrogen chloride fumes. Car npact None. rge None. autions for firefighters d breathing apparatus pressure-demand, MSH. with flooding quantities of water until well after to n heating to produce corrosive and/or toxic fur 6. ACCIDENTAL RELEASE ME	A/NIOSH (approved or ec ire is out. Non-combustib nes.	uivalent) and full
Dry chemical. Water spray (fog). (Unsuitable extinguishing m Specific hazards arising from th No information available. Hazardous combustion pro Explosion data Sensitivity to Mechanical In Sensitivity to Static Dischar Protective equipment and preca As in any fire, wear self-containers protective gear. Cool containers v not burn but may decompose upo Personal precautions, protective	edia No information available. he chemical ducts Toxic hydrogen chloride fumes. Car npact None. rge None. autions for firefighters d breathing apparatus pressure-demand, MSH. with flooding quantities of water until well after to in heating to produce corrosive and/or toxic fur 6. ACCIDENTAL RELEASE ME re equipment and emergency procedures	A/NIOSH (approved or ec ire is out. Non-combustib nes. ASURES	uivalent) and full le, substance itself does
Dry chemical. Water spray (fog). (Unsuitable extinguishing m Specific hazards arising from th No information available. Hazardous combustion pro Explosion data Sensitivity to Mechanical In Sensitivity to Static Dischar Protective equipment and preca As in any fire, wear self-containers protective gear. Cool containers v not burn but may decompose upo Personal precautions, protective	edia No information available. he chemical ducts Toxic hydrogen chloride fumes. Car npact None. rge None. autions for firefighters d breathing apparatus pressure-demand, MSH. with flooding quantities of water until well after to in heating to produce corrosive and/or toxic fur 6. ACCIDENTAL RELEASE ME re equipment and emergency procedures Use personal protection recommended in S	A/NIOSH (approved or ec ire is out. Non-combustib nes. ASURES	uivalent) and full le, substance itself does
Dry chemical. Water spray (fog). (Unsuitable extinguishing m Specific hazards arising from th No information available. Hazardous combustion pro Explosion data Sensitivity to Mechanical Im Sensitivity to Static Dischar Protective equipment and preca As in any fire, wear self-contained protective gear. Cool containers w not burn but may decompose upo Personal precautions, protective Personal precautions	edia No information available. he chemical ducts Toxic hydrogen chloride fumes. Car hpact None. rge None. autions for firefighters d breathing apparatus pressure-demand, MSH. with flooding quantities of water until well after for heating to produce corrosive and/or toxic fur 6. ACCIDENTAL RELEASE ME re equipment and emergency procedures Use personal protection recommended in S confined areas.	A/NIOSH (approved or eq ire is out. Non-combustib nes. ASURES ection 8. Ensure adequat	uivalent) and full le, substance itself does
Dry chemical. Water spray (fog). (Unsuitable extinguishing m Specific hazards arising from th No information available. Hazardous combustion pro Explosion data Sensitivity to Mechanical In Sensitivity to Static Dischar Protective equipment and preca As in any fire, wear self-contained protective gear. Cool containers w not burn but may decompose upo Personal precautions, protective Personal precautions	edia No information available. he chemical ducts Toxic hydrogen chloride fumes. Car npact None. rge None. autions for firefighters d breathing apparatus pressure-demand, MSH. with flooding quantities of water until well after to in heating to produce corrosive and/or toxic fur 6. ACCIDENTAL RELEASE ME re equipment and emergency procedures Use personal protection recommended in S	A/NIOSH (approved or eq ire is out. Non-combustib nes. ASURES ection 8. Ensure adequat	uivalent) and full le, substance itself does
Dry chemical. Water spray (fog). (Unsuitable extinguishing m Specific hazards arising from th No information available. Hazardous combustion pro Explosion data Sensitivity to Mechanical In Sensitivity to Static Dischar Protective equipment and preca As in any fire, wear self-contained protective gear. Cool containers w not burn but may decompose upo Personal precautions, protective Personal precautions	edia No information available. he chemical ducts Toxic hydrogen chloride fumes. Car hpact None. rge None. autions for firefighters d breathing apparatus pressure-demand, MSH. with flooding quantities of water until well after to an heating to produce corrosive and/or toxic fur 6. ACCIDENTAL RELEASE ME re equipment and emergency procedures Use personal protection recommended in S confined areas. Isolate area. Keep unnecessary personnel at the following person personnel at the following personnel at the following person person person personnel at the following person per	A/NIOSH (approved or eq ire is out. Non-combustib nes. ASURES ection 8. Ensure adequat away.	uivalent) and full le, substance itself does e ventilation, especially in
Dry chemical. Water spray (fog). (Unsuitable extinguishing m Specific hazards arising from th No information available. Hazardous combustion pro Explosion data Sensitivity to Mechanical In Sensitivity to Static Dischar Protective equipment and preca As in any fire, wear self-contained protective gear. Cool containers w not burn but may decompose upo Personal precautions, protective Personal precautions	edia No information available. he chemical ducts Toxic hydrogen chloride fumes. Car hpact None. rge None. autions for firefighters d breathing apparatus pressure-demand, MSH. with flooding quantities of water until well after to on heating to produce corrosive and/or toxic fur 6. ACCIDENTAL RELEASE ME re equipment and emergency procedures Use personal protection recommended in S confined areas. Isolate area. Keep unnecessary personnel a Prevent entry into waterways, sewers, base	A/NIOSH (approved or eq ire is out. Non-combustib nes. ASURES ection 8. Ensure adequat away.	uivalent) and full le, substance itself does e ventilation, especially in
Dry chemical. Water spray (fog). (Unsuitable extinguishing m Specific hazards arising from th No information available. Hazardous combustion pro Explosion data Sensitivity to Mechanical In Sensitivity to Static Dischar Protective equipment and preca As in any fire, wear self-contained protective gear. Cool containers w not burn but may decompose upo Personal precautions, protective Personal precautions For emergency responders Environmental precautions	edia No information available. he chemical ducts Toxic hydrogen chloride fumes. Car hpact None. rge None. autions for firefighters d breathing apparatus pressure-demand, MSH. with flooding quantities of water until well after to on heating to produce corrosive and/or toxic fur 6. ACCIDENTAL RELEASE ME re equipment and emergency procedures Use personal protection recommended in S confined areas. Isolate area. Keep unnecessary personnel additional ecological information.	A/NIOSH (approved or eq ire is out. Non-combustib nes. ASURES ection 8. Ensure adequat away.	uivalent) and full le, substance itself does e ventilation, especially in
Dry chemical. Water spray (fog). (Unsuitable extinguishing m Specific hazards arising from th No information available. Hazardous combustion pro Explosion data Sensitivity to Mechanical In Sensitivity to Static Dischar Protective equipment and preca As in any fire, wear self-contained protective gear. Cool containers w not burn but may decompose upo Personal precautions, protective Personal precautions For emergency responders Environmental precautions Environmental precautions	edia No information available. he chemical ducts Toxic hydrogen chloride fumes. Car hpact None. rge None. autions for firefighters d breathing apparatus pressure-demand, MSH. with flooding quantities of water until well after to an heating to produce corrosive and/or toxic fur 6. ACCIDENTAL RELEASE ME re equipment and emergency procedures Use personal protection recommended in S confined areas. Isolate area. Keep unnecessary personnel additional ecological information. inment and cleaning up	A/NIOSH (approved or eq ire is out. Non-combustib nes. ASURES ection 8. Ensure adequat away. ments or confined areas.	uivalent) and full le, substance itself does e ventilation, especially in
Dry chemical. Water spray (fog). (Unsuitable extinguishing m Specific hazards arising from th No information available. Hazardous combustion pro Explosion data Sensitivity to Mechanical In Sensitivity to Static Dischar Protective equipment and preca As in any fire, wear self-contained protective gear. Cool containers v not burn but may decompose upo Personal precautions, protective Personal precautions For emergency responders Environmental precautions Environmental precautions Methods and material for conta Methods for containment	edia No information available. he chemical ducts Toxic hydrogen chloride fumes. Car hpact None. rge None. autions for firefighters d breathing apparatus pressure-demand, MSH. with flooding quantities of water until well after to on heating to produce corrosive and/or toxic fur 6. ACCIDENTAL RELEASE ME ve equipment and emergency procedures Use personal protection recommended in S confined areas. Isolate area. Keep unnecessary personnel additional ecological information. imment and cleaning up Prevent further leakage or spillage if safe to	A/NIOSH (approved or eq ire is out. Non-combustib nes. ASURES ection 8. Ensure adequat away. ments or confined areas. do so.	uivalent) and full le, substance itself does e ventilation, especially in See Section 12 for
Dry chemical. Water spray (fog). (Unsuitable extinguishing m Specific hazards arising from th No information available. Hazardous combustion pro- Explosion data Sensitivity to Mechanical In Sensitivity to Static Dischar Protective equipment and preca As in any fire, wear self-contained protective gear. Cool containers v not burn but may decompose upo Personal precautions, protective Personal precautions For emergency responders Environmental precautions Environmental precautions Methods and material for conta Methods for containment	edia No information available. he chemical ducts Toxic hydrogen chloride fumes. Can hpact None. rge None. autions for firefighters d breathing apparatus pressure-demand, MSH. with flooding quantities of water until well after to on heating to produce corrosive and/or toxic fur 6. ACCIDENTAL RELEASE ME re equipment and emergency procedures Use personal protection recommended in S confined areas. Isolate area. Keep unnecessary personnel additional ecological information. imment and cleaning up Prevent further leakage or spillage if safe to Isolate spill or leak area immediately. Stay of the spill or leak area immediately.	A/NIOSH (approved or equivalent of the solution of the solutio	uivalent) and full le, substance itself does e ventilation, especially in See Section 12 for ralk through spilled
Dry chemical. Water spray (fog). (Unsuitable extinguishing m Specific hazards arising from the No information available. Hazardous combustion prove Explosion data Sensitivity to Mechanical In Sensitivity to Mechanical In Sensitivity to Static Dischar Protective equipment and precess As in any fire, wear self-contained protective gear. Cool containers wear not burn but may decompose upon	edia No information available. he chemical ducts Toxic hydrogen chloride fumes. Can hpact None. rge None. autions for firefighters d breathing apparatus pressure-demand, MSH. with flooding quantities of water until well after to on heating to produce corrosive and/or toxic fur 6. ACCIDENTAL RELEASE ME re equipment and emergency procedures Use personal protection recommended in S confined areas. Isolate area. Keep unnecessary personnel additional ecological information. imment and cleaning up Prevent further leakage or spillage if safe to Isolate spill or leak area immediately. Stay or material. Small spills may be mopped up, fill	A/NIOSH (approved or equivalent terms) ASURES ection 8. Ensure adequate away. ments or confined areas. do so. upwind. Do not touch or wushed away with water or	uivalent) and full le, substance itself does e ventilation, especially in See Section 12 for ralk through spilled absorbed on some
Dry chemical. Water spray (fog). (Unsuitable extinguishing m Specific hazards arising from th No information available. Hazardous combustion pro Explosion data Sensitivity to Mechanical In Sensitivity to Static Dischar Protective equipment and preca As in any fire, wear self-contained protective gear. Cool containers v not burn but may decompose upo Personal precautions, protective Personal precautions For emergency responders Environmental precautions Environmental precautions Methods and material for conta Methods for containment	edia No information available. he chemical ducts Toxic hydrogen chloride fumes. Can npact None. rge None. autions for firefighters d breathing apparatus pressure-demand, MSH. with flooding quantities of water until well after to on heating to produce corrosive and/or toxic fur 6. ACCIDENTAL RELEASE ME re equipment and emergency procedures Use personal protection recommended in S confined areas. Isolate area. Keep unnecessary personnel additional ecological information. imment and cleaning up Prevent further leakage or spillage if safe to Isolate spill or leak area immediately. Stay or material. Small spills may be mopped up, flia absorbent material and incinerated. Large set	A/NIOSH (approved or ec ire is out. Non-combustib nes. ASURES ection 8. Ensure adequat away. ments or confined areas. do so. upwind. Do not touch or w ushed away with water or pills should be contained	uivalent) and full le, substance itself does e ventilation, especially in See Section 12 for ralk through spilled absorbed on some the material then moved
Dry chemical. Water spray (fog). (Unsuitable extinguishing m Specific hazards arising from th No information available. Hazardous combustion pro Explosion data Sensitivity to Mechanical In Sensitivity to Static Dischar Protective equipment and preca As in any fire, wear self-contained protective gear. Cool containers v not burn but may decompose upo Personal precautions, protective Personal precautions For emergency responders Environmental precautions Environmental precautions Methods and material for conta Methods for containment	edia No information available. he chemical ducts Toxic hydrogen chloride fumes. Car npact None. rge None. autions for firefighters d breathing apparatus pressure-demand, MSH. with flooding quantities of water until well after to on heating to produce corrosive and/or toxic fur 6. ACCIDENTAL RELEASE ME re equipment and emergency procedures Use personal protection recommended in S confined areas. Isolate area. Keep unnecessary personnel additional ecological information. imment and cleaning up Prevent further leakage or spillage if safe to Isolate spill or leak area immediately. Stay or material. Small spills may be mopped up, flia absorbent material and incinerated. Large spinto containers and disposed of by approver	A/NIOSH (approved or ec ire is out. Non-combustib nes. ASURES ection 8. Ensure adequat away. ments or confined areas. do so. upwind. Do not touch or w ushed away with water or pills should be contained d methods for hazardous	uivalent) and full le, substance itself does e ventilation, especially in See Section 12 for ralk through spilled absorbed on some the material then moved
Dry chemical. Water spray (fog). (Unsuitable extinguishing m Specific hazards arising from th No information available. Hazardous combustion pro Explosion data Sensitivity to Mechanical In Sensitivity to Static Dischar Protective equipment and preca As in any fire, wear self-contained protective gear. Cool containers v not burn but may decompose upo Personal precautions, protective Personal precautions For emergency responders Environmental precautions Environmental precautions Methods and material for conta Methods for containment	edia No information available. he chemical ducts Toxic hydrogen chloride fumes. Can npact None. rge None. autions for firefighters d breathing apparatus pressure-demand, MSH. with flooding quantities of water until well after to on heating to produce corrosive and/or toxic fur 6. ACCIDENTAL RELEASE ME re equipment and emergency procedures Use personal protection recommended in S confined areas. Isolate area. Keep unnecessary personnel additional ecological information. imment and cleaning up Prevent further leakage or spillage if safe to Isolate spill or leak area immediately. Stay or material. Small spills may be mopped up, flia absorbent material and incinerated. Large set	A/NIOSH (approved or ec ire is out. Non-combustib nes. ASURES ection 8. Ensure adequat away. ments or confined areas. do so. upwind. Do not touch or w ushed away with water or pills should be contained d methods for hazardous	uivalent) and full le, substance itself does e ventilation, especially in See Section 12 for ralk through spilled absorbed on some the material then moved

Advice on safe handling	Use personal protection rec	commended in Section 8. Avoid conta	ct with skin, eves or clothing.				
5	Use only in well-ventilated areas. Avoid breathing vapors or mists. Wash thoroughly after						
	handling. Handle in accordance with good industrial hygiene and safety practice.						
Conditions for safe storage, in			5.				
Storage Conditions		ed in a dry, cool and well-ventilated p	lace. Keep from freezing.				
-	Keep/store only in original of						
Incompatible materials	Strong oxidizing agents. Re	educing agent.					
8.	EXPOSURE CONTROL	S/PERSONAL PROTECTION					
Control parameters							
Exposure Guidelines							
Chemical Name	ACGIH TLV	OSHA PEL NIOSH IDLH					
Ethyl Alcohol	STEL: 1000 ppm	TWA: 1000 ppm	IDLH: 3300 ppm				
64-17-5		TWA: 1900 mg/m ³	TWA: 1000 ppm				
			TWA: 1900 mg/m ³				
Glycerin	-	TWA: 15 mg/m ³ mist, total particulate	-				
56-81-5		TWA: 5 mg/m ³ mist, respirable fraction					
Appropriate engineering contr							
Engineering Controls	Showers, eyewash stations						
Individual protection measures							
Eye/face protection	Splash proof chemical gog						
Skin and body protection		[™] gloves or rubber gloves. Apron rec	ommended. Wear suitable				
	protective clothing. Rubber		16 15 15				
Respiratory protection	No protective equipment is	needed under normal use conditions	. If exposure limits are				
		perienced NIOSH/MSHA approved re	spiratory protection should be				
	worn.						
General Hygiene Consideration		exposed skin thoroughly after handlin					
	-	euse. Do not eat, drink or smoke whe	en using this product.				
	9. PHYSICAL AND C	HEMICAL PROPERTIES					
Information on basic physical	and chemical properties						
Physical state	Liquid						
Appearance	Aqueous solution	Odor	Benzaldehyde				
Color	Clear, Blue	Odor threshold	No information available				
Property	<u>Values</u>	<u>Remarks • Method</u>	_				
рН	7	±2.5 @ 21°C					
Melting point/freezing point	-5 °C / 23 °F						
Boiling point / boiling range	No information available	9					
Flash point	Not flammable						
Evaporation rate	No information available	9					
Flammability (solid, gas)	No information available	9					
Flammability Limit in Air							
Upper flammability limit:	No information available)					
Lower flammability limit:	No information available	•					
Vapor pressure	No information available						
Vapor density	No information available						
Specific Gravity	0.995 g/cc						
Water solubility	Soluble in water						
Solubility in other solvents	No information available						
Partition coefficient	No information available						
Autoignition temperature	No information available	•					
Decomposition temperature	No information available	•					
Kinematic viscosity	No information available	•					
Dynamic viscosity	No information available	•					
Explosive properties	No information available						
			No information available				
Oxidizing properties							
VOC Content (%)							

10. STABILITY AND REACTIVITY

Reactivity No data available Chemical stability Stable under recommended storage conditions. Possibility of Hazardous Reactions None under normal processing.

Conditions to avoid					
None known.					
Incompatible materials Strong oxidizing agents. R	Poducing agent				
Hazardous Decomposition					
	umes. Carbon oxides. Nitro	aen ovides (NOv	0		
		•	,		
		ICOLOGICAL	INFORMATION		
Information on likely rou	ites of exposure				
Product Information Inhalation	Inhalation of	venere in high ee	noontration movies	an irritation of rooping	stary austam Vanara
innalation			e, throat, and lungs.	se initation of respira	atory system. Vapors
Eye contact			es. Corrosive to the e	wee and may cause	severe damade
Lyecontact	including blin			yes and may cause	severe damage
Skin Contact			vere skin irritation an	d possible burns	
Ingestion			use burning pain in m		en severe swelling
ingeotion			paralysis affecting th		
		when swallowed.		,, -	
Chemical Name			Oral LD50	Dermal LD50	Inhalation LC50
Alkyl (C14, 50%; C12, 40%; 0 68424-85-1	C16-10%) Dimethyl Benzyl An	nmonium Chloride	= 426 mg/kg(Rat)	-	-
Octyl Decyl Dimethyl Ammon 32426-11-2	ium Chloride		= 238 mg/kg	= 3342 mg/kg	-
Trade Secret 1			= 4900 mg/kg (Rat)	-	-
Dioctyl Dimethyl Ammonium 5538-94-3			= 238 mg/kg	= 3342 mg/kg	-
Didecyl Dimethyl Ammonium 7173-51-5	Chloride		= 84 mg/kg(Rat)	= > 1000 mg/kg (Rat)	-
Ethyl Alcohol 64-17-5			= 7060 mg/kg(Rat)	-	= 124.7 mg/L (Rat) 4 h
Trade Secret 2			= 3 g/kg (Rat)	> 10 g/kg (Rabbit)	> 42 g/m³ (Rat) 1 h
Glycerin 56-81-5			= 12600 mg/kg(Rat)	> 10 g/kg(Rabbit)	> 570 mg/m³ (Rat) 1 h
Information on toxicolog	riaal offecto				
Symptoms	No informatio	n available			
	effects as well as chronic		hort and long-term	exposure	
Sensitization	No informatio		torit und torig torini		
Germ cell mutagenicity	No informatio	on available.			
Carcinogenicity	Ethanol has b	been shown to be	e carcinogenic in long	g-term studies only w	hen consumed as
	alcoholic bev				
Chemical Name	ACGIH	IARC		NTP	OSHA
Ethyl Alcohol 64-17-5	A3	-	ĸ	Known	Х
N	ference of Governmental Ind	lustrial Hygienists	;)		
NTP (National Toxicolo	gy Program)				
Known - Known Carcinog	gen				
	afety and Health Administra	tion of the US Dep	partment of Labor)		
X - Present Reproductive toxicity	No informatic	n availabla			
Reproductive toxicity STOT - single exposure	No informatic No informatic				
STOT - single exposure STOT - repeated exposu					
Aspiration hazard					
	toxicity - Product Inform				
Unknown Acute Toxicity			s of ingredient(s) of ι	unknown toxicitv	
	e calculated based on cha			;	
Oral LD50	855.00 mg/ł				
Dermal LD50	33,125.00 n				
Mist	9,976.00 mg				
			NFORMATION		
Ecotoxicity	12.20				
Very toxic to aquatic life w		unite assessioned at the	- 4 - 4		
0.005% of the mixture con	isists of components(s) of i	unknown hozorda		onmont	
	aquatic plants	Fis	•		ustacea

KC-635 HF

Revision Date 24-Jan-2023

Trade Secret 1	1.0-10.0: 72 h Desmodesmus subspicatus mg/L EC50 0.55: 96 h Desmodesmus		io rerio mg/L LC50 semi-static Brachydanio rerio mg/L LC50		
	subspicatus mg/L EC50				
Chemical Name	Algae/aquatic plants		Fish	Crustacea	
Ethyl Alcohol 64-17-5	-	13400-15100: 96 h Pime flow 12.0-16.0: 96 h Oncorhyr 100: 96 h Pimephales	9268-14221: 48 h Daphnia magna mg/L LC50 10800: 24 h Daphnia magna mg/L EC50 2: 48 h Daphnia magna mg/L EC50 Stati		
Trade Secret 2		5560-6080: 96 h Lepoi flow 12946: 96 h Lepomis m 6020-7070: 96 h Pimepha 7050: 96 h Pimephales pi 6420-6700: 96 h Pimepha 4747-7824: 96 h Oncol	mis macrochirus mg/L LC50 -through hacrochirus mg/L LC50 static les promelas mg/L LC50 static romelas mg/L LC50 semi-static les promelas mg/L LC50 static rhynchus mykiss mg/L LC50 -through	1000: 48 h Daphnia magna mg/L EC50 340.7-469.2: 48 h Daphnia magna mg/L EC50 Static	
Glycerin 56-81-5	-	51-57: 96 h Oncorhync	hus mykiss mL/L LC50 static	500: 24 h Daphnia magna mg/L EC50	
Persistence an No information a Bioaccumulatio					
	Chemical Name		Partit	tion coefficient	
	Ethyl Alcohol - 64-17-5	;		-0.32	
	Glycerin - 56-81-5			-1.76	
Mobility Soluble in water Other adverse (tion available			
		13. DISPOSAL CO	DNSIDERATIONS		
Waste treatmer	nt methods				
Disposal of wa		hould be in accordance	with applicable regional nat	tional and local laws and regulations.	
Contaminated			eral, state and local regulation		
Contaminateu	Chemical Name	In accordance with rede		izardous Waste Status	
	Ethyl Alcohol - 64-17-5		Toxic	Ignitable	
		14. TRANSPORT		igintable	
DOT					
DOT		1002			
UN/ID No.		1903	, ,		
Proper ship		· · · · ·	d, corrosive, n.o.s. (contains	quaternary ammonium compounds)	
Hazard Clas		8			
Packing Gr	oup	II			
Emergency	Response Guide Numbe	r 153			
<u> </u>	•	15. REGULATOR	Y INFORMATION		
International	Inventories				
TSCA		ation available			
DSL/NDSL	No informa	ation available			
EINECS/ELINC	S No informa	ation available			
Leaend:					
DSL/NDSL - Cana		st/Non-Domestic Substand		cal Substances	
<u>SARA 313</u>	Sydiations				
	Title III of the Superfund Am	endments and Reauth	prization Act of 1986 (SARA). This product does not contain any	
chemicals which				of Federal Regulations, Part 372	
Acute healt		Yes			
Chronic He	alth Hazard	No			
Fire hazard		No			
	ease of pressure hazard	No			
Reactive Ha	-				
		No			
CWA (Clean Wa This product doe					

CERCLA

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

US State Regulations

California Proposition 65

Ethyl alcohol is only a considered a Proposition 65 developmental hazard when it is ingested as an alcoholic beverage Warning! This product may contain trace amounts of: Dichloroacetic acid 79-43-6; Formaldehyde 500-00-0;

Chemical N	lame	California Proposition 65			
Ethyl Alcohol - 64-17-5		Carcinogen	Developmental		
S. State Right-to-Know Regulat	ions				
Chemical Name	New Jersey	Massachusetts	Pennsylvania		
Ethyl Alcohol	X	Х	X		
64-17-5					
Glycerin	Х	Х	Х		
56-81-5					

U.S. EPA Label Information

U.S. EFA Label I	nonnauon						
EPA Pesticide R	egistration Numbe	r	10324-159-6367	′9			
16. OTHER INFORMATION							
NFPA	Health hazards	3	Flammability	0	Instability 0		Physical and Chemical Properties Corrosive
HMIS	Health hazards	3	Flammability	0	Physical hazards	0	Personal protection C (safety glasses, gloves, synthetic apron)
Prepared By			Technical Depar	rtme	nt		
Issue Date			10-Apr-2014				
Revision Date			24-Jan-2023				
Version			1				
Revision Note							
Company name u	pdate.						
Disclaimer							

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The health hazards given on this SDS apply to this product in its concentrated form (as supplied) and may differ significantly at use dilution. The signs and symptoms of exposure apply only to negligence in handling or misuse of the concentrated product and not to the routine exposure of the diluted product under conditions of ordinary use.

End of Safety Data Sheet