



	30	alety Dat	a Sheet			Godavari
Supersedes: NA		Revision	1.0	Revision date	e: 15/12/2023	Biorefineries Ltd
SECTION 1: Identification	on					
1.1 Identification						
Product form	:	Substance	e			
Substance name	:	Somfroth)			
CAS No	:	5870-82-6	5			
EC/ List No	:	Not availa	ble/none			
Formula	:	$C_{10}H_{22}O_3$				
Molecular weight	:	190.28 g/i	nol			
Synonyms	:	1,1,3 Trie	hoxybutane, 3-eth	noxybutyraldehyd	le, diethyl acetal	
1.2 Relevant identified use	es of the substance or	mixture and	d uses advised a	gainst		
Use of the substance/mixtu	re :	Laborator	y chemicals, Manu	Ifacture of substa	ances	
Relevant identified uses	:	Mining ch	emicals, solvent, c	hemical interme	diate	
Uses advised against:	:	Not know	ı			
1.3 Details of the supplier	of the safety data she	et				
45/47 Somaiya bhavan Mahatma Gandhi Road Fort Mumbai -400001, INDI Email: alka@somaiya.com T 0091 22 61702100 www.somaiya.com						
1.4 Emergency telephone	Number					
Emergency number	:		(91-08350) 260046 /47 /48 0091 22 61702100 (Monday – Friday - 09.30 hrs to 18.00 hrs)			
SECTION 2: Hazard(s) i	dentification					
GHS classification						
2.1 Classification of the se	ubstance or mixture					
This substance is not hazar	dous.					
2.2 GHS labeling						
Hazard pictograms (GHS)	:	None				
Signal word (GHS)		None None				
Supplemental Hazard info 2.3 Other hazards		none				
This substance/mixture cor persistent and very bioaccu				ent, bioaccumul	ative and toxic	(PBT), or very
2.4 Unknown acute toxicit	, <i>,</i>		-			
Not applicable.						
SECTION 3: Composition	on/Information on in	gredients				
3.1 Substance						
Name	Product Identifier		Concentration %		GHS Classifica	ation
Somfroth [®]	CAS No. 5870-82-6		≥95			

Full text of hazard classes and H-statements : None

3.2 Mixture

Not applicable.





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SECTION 4: First aid measures					
4.1 Description of first aid measures					
General information	:	Remove contaminated, soaked clothing immediately and dispose of safely.			
Inhalation	:	Keep at rest. Aerate with fresh air. When symptoms persist or in all cases of doubt seek medical advice.			
Skin contact	:	Wash off immediately with plenty of water. When symptoms persist or in all cases of doubt seek medical advice.			
Eye contact	:	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses. Medical attention is required.			
Ingestion	:	Call a physician immediately. Do not induce vomiting without medical advice.			
4.2 Most important symptoms and effects	s, both a	acute and delayed			
None					
4.3 Indication of any immediate medical a	attentio	n and special treatment ne	eeded		
Treat sympathetically.					
SECTION 5: Firefighting measures					
5.1 Extinguishing media					
Suitable extinguishing media	:	Water spray, foam, dry chemical, carbon dioxide (CO2)			
Unsuitable extinguishing media	:	Do not use a solid water stream as it may scatter and spread fire.			
5.2 Special hazards arising from the substance or mixture					
Hazardous combustion products	:	Under conditions giving produced may consist of: carbon dioxide (CO ₂)	g incomplete combustion, hazardous gases carbon monoxide (CO)		
5.3 Advice for firefighters					
Firefighting instructions	:	Fire fighter protection should include a self-contained breathing apparatus (NIOSH-approved or EN 133) and full fire fighting turn out gear.			
5.4 Additional information					
	:		with water spray. Dike and collect water used to ans cause environmental damage. Keep people		
SECTION 6: Accidental release meas	ures				

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Avoid contact with skin and eyes. Avoid breathing vapours or mists. Keep people away from and upwind of spill/leak. Ensure adequate ventilation, especially in confined areas. Keep away from heat and sources of ignition.

6.2 Environmental precautions

Prevent further leakage or spillage. Do not discharge product into the aquatic environment without pre-treatment (biological treatment plant).

6.3 Methods and material for containment and cleaning up

Methods for containment

Stop the flow of material, if possible without risk. Dike spilled material, where this is possible.

Methods for cleaning up

Soak up with inert absorbent material. Keep in suitable, closed containers for disposal. If liquid has been spilt in large quantities clean up promptly by scoop or vacuum. Dispose of in accordance with local regulations.

6.4 Reference to other sections

For personal protection see section 8.





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SECTION 7: Handling and storage				
7.1 Precautions for safe handling				
	Avaid contact with alkin avec	and elething Week hands before breaks and		
Precautions for safe handling :	 Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product. Provide sufficient air exchange and/or exhaust in work rooms. Advice on protection against fire and explosion Keep away from sources of ignition - No smoking. Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapours). In case of fire, emergency cooling with water spray should be available. Ground and bond containers when transferring material. 			
7.2 Conditions for safe storage, including	ig any incompatibilities			
Keep containers tightly closed in a cool, we	ell-ventilated place. Handle and open o	container with care.		
7.3 Specific end uses				
No data available				
SECTION 8: Exposure controls/pers	onal protection			
8.1 Control parameters				
No exposure limit established				
8.2 Exposure controls				
	General or dilution ventilation i	s frequently insufficient as the sole means of		
8.2.1 Appropriate engineering controls		Local ventilation is usually preferred. Explosion- ans, switches, and grounded ducts) should be vstems.		
Personal protective equipment	Protective goggles. Gloves. Protective	-		
General Advice		filter <mark>.</mark> and clothing. Do not breathe vapours or spray ations and safety showers are close to the		
Hygiene measures:	When using, do not eat, drink	or smoke. Take off all contaminated clothing bre breaks and immediately after handling the		
Eye/face protection	Tightly fitting safety goggles. In a	addition to goggles, wear a face shield if there is to the face. Equipment should conform to EN		
Skin protection- Hand protection	Wear protective gloves. Recom material may be used, dependir permeation data is available.			
Environmental exposure controls	Break through time > 480 min Suitable material polyvinylchlorid Evaluation according to EN 374: Glove thickness approx 0,9 mm Break through time > 480 min If possible use in closed sys substance needs to be suck danger. Observe the exposure I not practicable, dispose of in	de / nitrile rubber		





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SECTION 9: Physical and chemical properties						
9.1 Information on basic physical and chemical properties						
Physical state	:	Liquid				
Appearance	:	No Data Available				
Colour	:	Yellow to brown				
Odour	:	No Data Available				
рН	:	Neutral in nature				
Melting point	:	No Data Available				
Freezing point	:	No Data Available				
Initial boiling point/boiling range	:	225.5 °C at 760 mm Hg				
Flash Point	:	79.6 °C – Closed cup				
Relative evaporation rate	:	No Data Available				
Relative density	:	0.891 g/cm ³				
Relative vapour density at 20°C	:	No Data Available				
Specific gravity/ density	:	2.70 g/cm3 at 20 °C				
Molecular mass	:	No Data Available				
Flammability(Solid, Gas)	:	No data available				
Upper/lower flammability or Explosive limit	:	No Data Available				
Solubility	:	No data available				
Vapor pressure	:	No Data Available				
Vapour density	:	No Data Available				
Evaporation Rate	:	No data available				
Partition coefficient n-octanol/water	:	No Data Available				
Auto-ignition temperature	:	No data available				
Decomposition temperature	:	No Data Available				
Viscosity	:	No Data Available				
Explosive Limits	:	No Data Available				
Oxidizing properties	:	No Data Available				
9.2 Other information						
Ignition temperature	:	Not applicable				
Bulk density	:	ca.1,400 - 1,600 kg/m3				
SECTION 10: Stability and reactivity						
10.1 Reactivity	:	The reactivity of the product the substance group as desc				
10.2 Chemical Stability	:	Stable under recommended	storage conditions	6		
10.3 Possibility of hazardous reactions	:	Presents no significant react Hazardous polymerisation do		self or in cont	act with water.	
10.4 Conditions to avoid	:	Avoid contact with heat, spa any source of ignition	arks, open flame,	and static dis	scharge. Avoid	
10.5 Incompatible materials	:	Strong oxidizing agents, acid	ds & alkalis			
10.6 Hazardous decomposition products	:	No decomposition if stored a	and applied as dire	ected		



Packaging

SOMFROTH[®] Safety Data Sheet



	S	afety Data Sheet		Godavari
Supersedes: NA		Revision: 1.0	Revision date: 15/12/2023	Biorefineries Ltd
SECTION 11: Toxicological informati	on			
11.1 Information on toxicological effects				
Likely routes of exposure: Dermal contact	t, Eye c	ontact, Inhalation, Ingestion		
Acute oral toxicity LD50	:	No data available		
Acute dermal toxicity LD50	:	No data available		
Skin corrosion/irritation	:	No data available		
Serious eye damage/irritation	:	No data available		
Respiratory or skin sensitization	:	No data available		
Germ cell mutagenicity	:	No data available		
Carcinogenicity	:	No data available		
Teratogenicity	:	No data available		
Reproductive toxicity	:	No data available		
Aspiration hazard	:	No data available		
Signs and Symptoms of Exposure	:	No data available		
Synergistic effects	:	No data available		
11.2 Further information				
No data available.				
SECTION 12: Ecological information				
12.1 Toxicity				
Toxicity to Fish LC50	:	No data available.		
Toxicity to aquatic invertebrates EC50	:	No data available.		
12.2 Persistence and degradability				
No data available.				
12.3 Bio accumulative potential				
Not Data available.				
12.4 Mobility in soil				
No information available.				
12.5 Results of PBT and vPvB assessme	nt			
This substance is not considered to be pers (vPvB).	istent, b	bioaccumulating nor toxic (P	BT), nor very persistent nor verybio	o accumulatin
12.6 Other adverse effects				
No data available.				
SECTION 13: Disposal consideration	S			
13.1. Waste treatment methods Product disposal	:	Disposal required in com	npliance with all waste manageme	nt related stat
r roduct disposal	·	and local regulations. Th	he choice of the appropriate meth composition by the time of disposa	nod of dispos
Packaging	•		·	

Contaminated packaging should be disposed of as unused product.





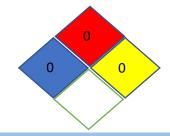
Supersedes: NA		Revision: 1.0	Revision date: 15/12/2023	Biorefineries Ltd	
SECTION 14 : Transport Information					
D.O.T. (49CFR)	:	Not restricted			
RID/ADR	:	Not restricted			
Marine transport (IMDG)	:	Not restricted			
Air transport ICAO/IATA	:	Not restricted			
SECTION 15: Regulatory information					
15.1 National regulations					
Not hazardous according to Directive 67/54 Caution: Substance not yet fully tested (EU					

SECTION 16: Other information

16.1 Hazard Statement

No data available.

16.2 NFPA Rating



16.3 Abbreviations and acronyms

PBT = Persistent Bioaccumulative and Toxic vPvB= Very Persistent and Very Bioaccumulative SCBA= Self Contained Breathing Apparatus NIOSH REL= National Institute for Occupational Safety and Health Recommended Exposure Limit UEL= Upper Explosive Limit LEL= Lower Explosive Limit IARC= International Agency for Research on Cancer EPA=Environmental Protection Agency TSCA= Toxic Substances Control Act NFPA= National Fire Protection Association TLV = Threshhold Limit Value ACGIH = American Conference of Governmental Industrial Hygienist REACH = Registration, Evaluation .Authorisation and Restriction of Chemicals CLP = Classification, Labelling and Packaging LD / LC = Lethal Doses / Lethal Concentration GHS = Globally Harmonised System ADR = Accord europeen relative au transport international de marchandises IMDG-Code = International Maritime Code for Dangerous Goods EmS = Emergency measures on Sea ICAO = International Civil Aviation Organization IATA/DGR= International Air Transport Association/Dangerous Goods Regulation

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16.4 Further information:

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