Revision: 03.02.2012

SECTION 1: Identification of the substance/mixture and of the company/undertaking

 1.1 Product identifier Trade name Stock number: CAS Number: EC number: 1.2 Relevant identified uses of the substance Identified use: 1.3 Details of the supplier of the safety data s Manufacturer/Supplier: 	SU24 Scientific research and development	
Informing department: 1.4 Emergency telephone number:	Fax: +49 (0) 721 84007 300 Email: tech@alfa.com www.alfa.com Product safety Tel + +049 (0) 7275 988687-0 Carechem 24: +44 (o) 1235 239 670 (Multi-language emergency number) Poison Information Center Mainz www.giftinfo.uni-mainz.de Telephone: +49(0)6131/19240	
SECTION 2: Hazards identification 2.1 Classification of the substance or mixture Classification according to Regulation (EC) No 1272/2008		
GHS06 skull and crossbones		
Acute Tox. 2 H300 Fatal if swallowed. Acute Tox. 1 H310 Fatal in contact with skin.		
GHS08 health hazard		
Muta. 2 H341 Suspected of causing gene Classification according to Directive 67/548/ T+; Very toxic R27: Very toxic in contact with skin.		
R25: Toxic if swallowed.		
Xn; Harmful R68: Possible risk of irreversible effects. Information concerning particular hazards for human and environment: Other hazards that do not result in classification	Not applicable No information known.	
2.2 Label elements Labelling according to Regulation (EC) No 1272/2008 Hazard pictograms Signal word Hazard statements	The substance is classified and labelled according to the CLP regulation. GHS06, GHS08 Danger H300 Fatal if swallowed. H310 Fatal in contact with skin. H341 Suspected of causing genetic defects. P260 Do not breathe dust/fume/gas/mist/vapours/spray.	
Precautionary statements	P280 Wear protective gloves / protective clothing. P302+P352 IF ON SKIN: Wash with plenty of soap and water. P309 IF exposed or if you feel unwell: P310 Immediately call a POISON CENTER or doctor/physician.	
2.3 Other hazards Results of PBT and vPvB assessment PBT: vPvB:	Not applicable. Not applicable.	
SECTION 3: Composition/information o		
3.1 Substances CAS# Designation:	624-76-0 2-lodoethanol	
Identification number(s): EC number: Impurities and stabilising additives:	210-861-6 Stabilised with: Copper (CAS# 7440-50-8)	
SECTION 4: First aid measures 4.1 Description of first aid measures General information	Instantly remove any clothing soiled by the product.	
After inhalation	In case of irregular breathing or respiratory arrest provide artificial respiration. Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.	
After skin contact	Seek immediate medical advice. Instantly wash with water and soap and rinse thoroughly. Seek immediate medical advice.	
After eye contact After swallowing 4.2 Most important symptoms and effects,	Rinse opened eye for several minutes under running water. Then consult doctor. Do not induce vomiting; instantly call for medical help.	
both acute and delayed 4.3 Indication of any immediate medical attention and special treatment needed	No further relevant information available. No further relevant information available.	
SECTION 5: Firefighting measures		
5.1 Extinguishing media Suitable extinguishing agents 5.2 Special hazards arising from the	CO2, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam.	
substance or mixture	If this product is involved in a fire, the following can be released: (Contd. on page 2) DE/E	

Page 2/4

	according to 1907/2000/EC, Article 31	
Printing date 01.07.2013		Revision: 03.02.2012
Trade name 2-lodoethanol		
5.3 Advice for firefighters Protective equipment:	Carbon monoxide and carbon dioxide Hydrogen iodide (HJ) Wear self-contained breathing apparatus.	(Contd. of page 1)
· · · · · · · · · · · · · · · · · · ·	Wear full protective suit.	
SECTION 6: Accidental release measure	s	
6.1 Personal precautions, protective equipment and emergency procedures	Wear protective equipment. Keep unprotected persons away.	
6.2 Environmental precautions:	Ensure adequate ventilation Do not allow material to be released to the environment without proper governmental Do not allow product to reach sewage system or water bodies. Do not allow to enter the ground/soil.	permits.
6.3 Methods and material for containment and cleaning up:	-	awdust).
Prevention of secondary hazards: 6.4 Reference to other sections	Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, so Dispose of contaminated material as waste according to item 13. Keep away from ignition sources. See Section 7 for information on safe handling See section 8 for information on personal protection equipment. See Section 13 for information on disposal.	
SECTION 7: Handling and storage		
7.1 Precautions for safe handling	Keep containers tightly sealed. Ensure good ventilation/exhaustion at the workplace.	
Information about protection against		
explosions and fires: 7.2 Conditions for safe storage, including and	Keep ignition sources away - Do not smoke. / incompatibilities	
Storage Requirements to be met by storerooms and	•	
containers: Information about storage in one common	Refrigerate	
storage facility: Further information about storage	Store away from oxidizing agents. Store in the dark. Protect from heat.	
conditions:	Keep container tightly sealed. Protect from the effects of light. Store in a locked cabinet or with access restricted to technical experts or their assistan	nts.
7.3 Specific end use(s)	Refrigerate No further relevant information available.	
SECTION 8: Exposure controls/persona	l protection	
Additional information about design of technical systems:	Properly operating chemical fume hood designed for hazardous chemicals and having of at least 100 feet per minute.	an average face velocity
8.1 Control parameters Components with critical values that require monitoring at the workplace:	The product does not contain any relevant quantities of materials with critical values the workeless	nat have to be monitored
Additional information:	at the workplace. No data	
8.2 Exposure controls Personal protective equipment General protective and hygienic measures	The usual precautionary measures should be adhered to in handling the chemicals. Keep away from foodstuffs, beverages and food. Instantly remove any soiled and impregnated garments. Wash hands during breaks and at the end of the work. Store protective clothing separately. Avoid contact with the eyes and skin. Maintain an ergonomically appropriate working environment.	
Breathing equipment: Protection of hands:	Maintain an ergonomically appropriate working environment. Use breathing protection with high concentrations. Check protective gloves prior to each use for their proper condition. The selection of the suitable gloves does not only depend on the material, but also on	further marks of quality
Material of gloves Penetration time of glove material Eye protection: Body protection:	and varies from manufacturer to manufacturer. Impervious gloves Not determined Safety glasses Protective work clothing.	
SECTION 9: Physical and chemical prop	perties	
9.1 Information on basic physical and chemic General Information Appearance: Form:		
Colour: Smell: Odour threshold:	Coloriess to pale yellow Characteristic Not determined.	
pH-value:	Not determined.	
Change in condition Melting point/Melting range: Boiling point/Boiling range: Sublimation temperature / start:	Not determined 85 °C (25mm Hg) Not determined	
Flash point: Inflammability (solid, gaseous) Ignition temperature:	65 °C Not determined. Not determined	
Decomposition temperature: Self-inflammability:	Not determined Not determined.	
Danger of explosion: Critical values for explosion: Lower: Upper:	Product is not explosive. Not determined Not determined	
Steam pressure:	Not determined	(Contd. on page 3)
		DE/E

Safety data sheet according to 1907/2006/EC, Article 31

Page 3/4

Revision: 03.02.2012

Printing date 01.07.2013	Revision: 03.02.2012
Trade name 2-lodoethanol	
	(Contd. of page 2)
Density at 20 °C Relative density Vapour density Evaporation rate Solubility i Micability with	2,202 g/cm ³ Not determined. Not determined. Not determined.
Solubility in / Miscibility with Water: Partition coefficient (n-octanol/water): Viscosity:	Not determined Not determined.
dynamic: kinematic: 9.2 Other information	Not determined. Not determined.
9.2 Other Information	No further relevant information available.
SECTION 10: Stability and reactivity	
10.1 Reactivity 10.2 Chemical stability Thermal decomposition / conditions to be	No information known. Stable under recommended storage conditions.
avoided: 10.3 Possibility of hazardous reactions 10.5 Incompatible materials:	No decomposition if used and stored according to specifications. No dangerous reactions known Oxidizing agents
10.6 Hazardous decomposition products:	Heat Light Carbon monoxide and carbon dioxide Hydrogen iodide (HI)
Additional information:	Avoid loss of stabilizer.
SECTION 11: Toxicological information	
11.1 Information on toxicological effects Acute toxicity:	Danger by skin resorption.
Acute toxicity.	Fatal in contact with skin. The Registry of Toxic Effects of Chemical Substances (RTECS) contains acute toxicity data for components in this product.
LD/LC50 values that are relevant for classific	
Oral LD50 50 mg/kg (rat) Dermal LD50 22 mg/kg (guinea pig)	
Skin irritation or corrosion:	May cause irritation
Eye irritation or corrosion: Sensitization:	Maý cause irritation No sensitizing effect known.
Germ cell mutagenicity:	No sensitizing effect known. Suspected of causing genetic defects. The Registry of Toxic Effects of Chemical Substances (RTECS) contains mutation data for components in this product.
Carcinogenicity:	No classification data on carcinogenic properties of this material is available from the EPA, IARC, NTP, OSHA or ACGIH.
Reproductive toxicity: Specific target organ system toxicity - repeated exposure:	No effects known. No effects known.
Specific target organ system toxicity - single exposure:	
Aspiration hazard: Additional toxicological information:	No effects known. To the best of our knowledge the acute and chronic toxicity of this substance is not fully known.
SECTION 12: Ecological information	
12.1 Toxicity	
Aquatic toxicity: 12.2 Persistence and degradability 12.3 Bioaccumulative potential	No further relevant information available. No further relevant information available. No further relevant information available.
12.3 Bioaccumulative potential 12.4 Mobility in soil Additional ecological information:	No further relevant information available.
General notes:	Do not allow product to reach ground water, water bodies or sewage system. Do not allow material to be released to the environment without proper governmental permits. Water hazard class 2 (Self-assessment): hazardous for water. Danger to drinking water if even small quantities leak into soil. Avoid transfer into the environment.
12.5 Results of PBT and vPvB assessment PBT:	Not applicable.
vPvB: 12.6 Other adverse effects	Not applicable. No further relevant information available.
SECTION 13: Disposal considerations	
13.1 Waste treatment methods Recommendation	Hand over to disposers of hazardous waste. Must be specially treated under adherence to official regulations.
Uncleaned packagings:	Consult state, local or national regulations for proper disposal.
Recommendation:	Disposal must be made according to official regulations.
SECTION 14: Transport information	
ADR, IMDG, IATA 14.2 UN proper shipping name	
ADR INTERNET	2810 TOXIC LIQUID, ORGANIC, N.O.S. (2-lodoethanol) TOXIC LIQUID, ORGANIC, N.O.S. (2-lodoethanol)
14.3 Transport hazard class(es)	
ADR	
Class	6 1 (T1) Tovic substances
Class	6.1 (T1) Toxic substances. (Contd. on page 4)
۱	DĚ/E

DE/E

Revision: 03.02.2012

Trade name 2-lodoethanol			
	(Contd. of page 3)		
Label IMDG, IATA	6.1		
\checkmark			
Class Label	6.1 Toxic substances. 6.1		
Packing group ADR, IMDG, IATA			
14.5 Environmental hazards:	Not applicable.		
14.6 Special precautions for user Kemler Number:	Warning: Toxic substances. 66		
14.7 Transport in bulk according to Annex I Code	I of MARPOL73/78 and the IBC Not applicable.		
Transport/Additional information:			
ADR Excepted quantities (EQ): Limited quantities (LQ)	E5 0		
Transport category	1 C/E		
UN "Model Regulation":	UN2810, TOXIC LIQUID, ORGANIC, N.O.S. (2-Iodoethanol), 6.1, I		
Australian Inventory of Chemical Substances Standard for the Uniform Scheduling of Drugs and Poisons National regulations Information about limitation of use: Water hazard class: Other regulations, limitations and prohibitin ELINCS (European List of Notified Chemica Substances) Substances of very high concern (SVHC) according to REACH, Article 57 REACH - Pre-registered substances 15.2 Chemical safety assessment:	ations/legislation specific for the substance or mixture Substance is not listed. Substance is not listed. Employment restrictions concerning young persons must be observed. For use only by technically qualified individuals. Water hazard class 2 (Self-assessment): hazardous for water. re regulations Substance is not listed. Substance is not listed. Substance is listed. A Chemical Safety Assessment has not been carried out.		
SECTION 16: Other information Employers should use this information only as this information to ensure proper use and prote not in conformance with this Material Safety D Department issuing data specification shee Abbreviations and acronyms:	a supplement to other information gathered by them, and should make independent judgement of suitability of ect the health and safety of employees. This information is furnished without warranty, and any use of the product ata Sheet, or in combination with any other product or process, is the responsibility of the user. At: Health, Safety and Environmental Department. RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail) ICAO: International Civil Aviation Organization ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road) IMDG: International Air Transport des marchandises dods IATA: International Air Transport Association GHS: Globally Harmonized System of Classification and Labelling of Chemicals EINECS: European Inventory of Existing Commercial Chemical Substances CAS: Chemical Abstracts Service (division of the American Chemical Society) LC50: Lethal concernation, 50 percent		