**SAFETY DATA SHEET** 

According to 1907/2006/EC, Article 31

Revision number: 1		
SECTION 1: Identification of the	e substance/mixture and of	the company/undertaking
1.1 Product identifiers		
Product name:	Heptanoic Acid	
Product code:	H0030	
1.2 Relevant identified uses of the s Identified uses:	ubstance or mixture and uses Reagents.	advised against
1.3 Details of the supplier of the safe	ety data sheet	
Supplier:		
TCI EUROPE N.V.		
Boerenveldseweg 6		
Haven 1063 B-2070 Zwijndrecht		
Telephone: +32(0)3 735 07	00	
E-mail: sales-eu@tcichemic	cals.com	
.4 Emergency telephone number:	+32(0)70 245 245	
SECTION 2: Hazards identificati	ion	
2.1 Classification of the substance of		
Skin corrosion/irritation		Category 1B
Serious eye damage/eye irritatio	on	
Serious eye damage/eye irritation Specific target organ toxicity - S 2.2 Label elements Pictograms or hazard symbols		Category 1 Respiratory tract irritation, Narcotic effects
Specific target organ toxicity - S 2.2 Label elements		Category 1
Specific target organ toxicity - S 2.2 Label elements Pictograms or hazard symbols	Single exposure [Category 3]	Category 1
Specific target organ toxicity - S 2.2 Label elements	Single exposure [Category 3]	Category 1 Respiratory tract irritation, Narcotic effects
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### SECTION 3: Composition/information on ingredients

3.1 Substances	
Components:	Heptanoic Acid
Percent:	>98.0%(T)
CAS RN:	111-14-8
EC-No:	203-838-7
Synonyms:	Enanthic Acid
Chemical Formula:	C7H14O2

#### SECTION 4: First aid measures 4.1 Description of first aid measures Inhalation: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or doctor/physician. Skin contact: Remove/Take off immediately all contaminated clothing. Gently wash with plenty of soap and water. Immediately call a POISON CENTER or doctor/physician. Eye contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.Immediately call a POISON CENTER or doctor/physician. Ingestion: Immediately call a POISON CENTER or doctor/physician. Rinse mouth. Do NOT induce vomiting. Protection of first-aiders: A rescuer should wear personal protective equipment, such as rubber gloves and air-tight goggles. 4.2 Most important symptoms and effects, both acute and delayed

No data available

# 4.3 Indication of any immediate medical attention and special treatment needed No data available

SECTION 5: Firefighting measures	
5.1 Extinguishing media Suitable extinguishing media: Unsuitable extinguishing media:	Dry chemical, foam, carbon dioxide. Water (It may scatter and spread fire.)
5.2 Special hazards arising from the substance or mixture	Carbon dioxide, Carbon monoxide
5.3 Advice for firefighters	Fire-extinguishing work is done from the windward and the suitable fire-extinguishing method according to the surrounding situation is used. Uninvolved persons should evacuate to a safe place. In case of fire in the surroundings: Remove movable containers if safe to do so. When extinguishing fire, be sure to wear personal protective equipment
SECTION 6: Accidental release mea	asures
6.1 Personal precautions, protective equipment and emergency procedures	Use personal protective equipment. Keep people away from and upwind of spill/leak. Ensure adequate ventilation. Entry to non-involved personnel should be controlled around the leakage area by roping off, etc
6.2 Environmental precautions	Prevent product from entering drains
6.3 Methods and materials for containment and cleaning up	Absorb spilled material in a suitable absorbent (e.g. rag, dry sand, earth, saw-dust). In case of large amount of spillage, contain a spill by bunding. Adhered or collected material should be promptly disposed of, in accordance with appropriate laws and regulations.
6.4 Reference to other sections	For disposal see section 13.
SECTION 7: Handling and storage	
7.1 Precautions for safe handling	Handling is performed in a well ventilated place. Wear suitable protective equipment. Prevent generation of vapour or mist. Wash hands and face thoroughly after handling. Use a closed system if possible. Use a ventilation, local exhaust if vapour or aerosol will be generated. Avoid contact with skin, eyes and clothing.
7.2 Conditions for safe storage, including any incompatibilities	Keep container tightly closed. Store in a cool, dark and well-ventilated place. Store locked up. Store away from incompatible materials such as oxidizing agents.
7.3 Specific end use(s)	No further relevant information available.

SECTION 8: Exposure controls/personal protection		
8.1 Control parameters No data available		
8.2 Exposure controls Install a closed system or local exhaust. Also install safety shower and eye bath.		
Respiratory protection:	Half or full facepiece respirator, self-contained breathing apparatus(SCBA), supplied air respirator, etc. Use respirators approved under appropriate government standards and follow local and national regulations.	
Hand protection: Impervious gloves.		
Eye protection:	Safety goggles. A face-shield, if the situation requires.	
Skin and body protection:	Impervious protective clothing. Protective boots, if the situation requires.	

SECTION 9.	Physical	and chemical	I properties

0.1 Information on basic physical and chemical properties		
Physical state (20°C):	Liquid	
Form:	Clear	
Colour:	Colorless - Almost colorless	
Odour:	Unpleasant	
pH:	No data available	
Melting point/freezing point:	-8°C	
Boiling point/range:	223°C	
Flash point:	120°C	
Evaporation rate(Butyl Acetate=1):	No data available	
Flammability(solid, gas):	No data available	
Flammability or explosive limits:		
Lower:	1.1%	
Upper:	10.1%	
Vapour pressure:	0.004kPa/27°C	
Vapour density:	No data available	
Relative density:	0.92	
Solubility(ies):		
[Water]	Very slightly soluble (2.82g/L, 25°C)	
[Other solvents]		
Soluble:	Ether, Acetone, Chloroform, Ethanol, Dimethylformamide(DMF), Hexane, Dimethyl sulfoxide(DMSO)	
Partition coefficient:	2.42	
n-octanol/water:		
Autoignition temperature:	380°C	
Decomposition temperature:	No data available	
Dynamic Viscosity:	No data available	
Kinematic viscosity:	3.4mm²/s (30°C)	
9.2 Other safety information	No data available	

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					-

10.1 Reactivity	No data available

10.2 Chemical stability	Stable under proper conditions.

10.3 Possibility of hazardous reactions No special reactivity has been reported.

10.4 Conditions to avoid No data available

**10.5 Incompatible materials** Oxidizing agents, Bases

10.6 Hazardous decomposition products Carbon dioxide, Carbon monoxide

## SECTION 11: Toxicological information 11.1 Information on toxicological effects

11.1 Information on toxicological effect	ts	
Acute Toxicity:	orl-rat LD50:7 g/kg	
	ivn-mus LD50:1200 mg/kg	
	skn-rbt LD50:>2000 mg/kg	
	ihl-rat LC50:>4600 mg/m³/4H	
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:		
IARC =	No data available	
NTP =	No data available	
Reproductive toxicity:	No data available	
STOT-single exposure:	No data available	
STOT-repeated exposure:	No data available	
Aspiration hazard:	No data available	
RTECS Number:	MJ1575000	

SECTION 12: Ecological information	tion	
12.1 Toxicity		
Fish:	96h LC50:75 mg/L (Oryzias latipes)	
Crustacea:	48h EC50:72 mg/L (Daphnia magna)	
Algae:	72h EC50:52 mg/L (Selenastrum capricornutum)	
12.2 Persistence and degradability	No data available	
12.3 Bioaccumulative potential	41	
12.4 Mobility in soil		
Log Pow:	2.42	
Soil adsorption (Koc):	490	
Henry's Law (PaM <sup>3</sup> /mol):	3.4 x 10 <sup>-2</sup>	
12.5 Results of PBT and vPvB assess	sment	
PBT:	Not applicable	
vPvB:	Not applicable	
12.6 Other adverse effects	No data available	

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Recycle to process, if possible. Consult your local regional authorities. You may be able to burn in a chemical incinerator equipped with an afterburner and scrubber system. Observe all federal, state and local regulations when disposing of the substance.

SECTION 14: Transport information	on	
14.1 UN number	3265	
14.2 UN proper shipping name		
ADR/RID	Corrosive liquid, acidic, or	ganic, n.o.s
IMDG/IMO	Corrosive liquid, acidic, or	ganic, n.o.s
ICAO/IATA	Corrosive liquid, acidic, or	ganic, n.o.s
14.3 Transport hazard class(es)		
ADR/RID	8: Corrosive	
IMDG/IMO	8: Corrosive	
ICAO/IATA	8: Corrosive	
14.4 Packaging group		
ADR/RID	11	
IMDG/IMO		
ICAO/IATA	I	
14.5 Environmental hazards		
Marine pollutant	-	
14.6 Special precautions for user	No data available	
SECTION 15: Regulatory informat	ion	
15.1 Safety, health and environmental		cific for the substance or mixture
Water Hazard Classes (WGK) :		Class 1 - Low hazard to waters
Substance of Very High Concern ( REACH Regulations (EC) No.1907		Not listed
15.2 Chemical safety assessment		A chemical safety assessment has not been carried out.
SECTION 16: Other information		
Prepared by:	TCI EUROPE N.V.	
Issue date:	10/24/2019	

This SDS was prepared sincerely on the basis of the information we could obtained, however, any warranty shall not be given regarding the data contained and the assessment of hazards and toxicity. Prior to use, please investigate not only the hazards and toxicity information but also the laws and regulations of the organization, area and country where the products are to be used, which shall be given the first priority. The products are supposed to be used promptly after purchase in consideration of safety. Some new information or amendments may be added afterwards. If the products are to be used far behind the expected time of use or you have any questions, please feel free to contact us. The stated cautions are for normal handling only. In case of special handling, sufficient care should be taken, in addition to the safety measures suitable for the situation. All chemical products should be treated with the recognition of shorage. The products must be handled only by those who are familiar with specialized knowledge and have experience or under the guidance of those specialists throughout use from opening to storage and disposal. Safe usage conditions shall be set up on each user's own responsibility.

### End of Safety Data Sheet