**SAFETY DATA SHEET** 

According to 1907/2006/EC, Article 31

	vision number: 2	Revision date: 04/11/2019
SECTION 1: Identification of the	substance/mixture an	d of the company/undertaking
.1 Product identifiers		
Product name:	Hexylamine	
Product code:	H0134	
.2 Relevant identified uses of the su Identified uses:	bstance or mixture and Reagents.	uses advised against
.3 Details of the supplier of the safe Supplier:	ty data sheet	
TCI EUROPE N.V.		
Boerenveldseweg 6		
Haven 1063		
B-2070 Zwijndrecht		
Telephone: +32(0)3 735 07 0		
E-mail: sales-eu@tcichemica	lls.com	
4 Emergency telephone number:	+32(0)70 245 245	
ECTION 2: Hazards identification		
1 Classification of the substance of	mixture	
Flammable liquids		Category 3
Acute toxicity (Oral)		Category 4
Acute toxicity (Dermal)		Category 3
Skin corrosion/irritation		Category 1A
Serious eye damage/eye irritation		
	า	Category 1
Long-term aquatic hazard 2 Label elements	1	Category 1 Category 3
Long-term aquatic hazard		
Long-term aquatic hazard 2 Label elements Pictograms or hazard symbols		
Long-term aquatic hazard 2 Label elements Pictograms or hazard symbols	Danger	Category 3
Long-term aquatic hazard 2 Label elements Pictograms or hazard symbols	Danger H226-Flammable liqu	Category 3 id and vapour.
Long-term aquatic hazard 2 Label elements Pictograms or hazard symbols	Danger H226-Flammable liqu H302-Harmful if swall	Category 3 id and vapour. owed.
Long-term aquatic hazard 2 Label elements Pictograms or hazard symbols	Danger H226-Flammable liqu H302-Harmful if swall H311-Toxic in contac	Category 3 id and vapour. owed. t with skin.
Long-term aquatic hazard 2 Label elements Pictograms or hazard symbols	Danger H226-Flammable liqu H302-Harmful if swall H311-Toxic in contac H314-Causes severe	Category 3 id and vapour. owed.
Long-term aquatic hazard 2 Label elements Pictograms or hazard symbols	Danger H226-Flammable liqu H302-Harmful if swall H311-Toxic in contac H314-Causes severe H412-Harmful to aqua P260-Do not breathe	id and vapour. owed. t with skin. skin burns and eye damage. atic life with long lasting effects. dusts or mists.
Long-term aquatic hazard 2 Label elements Pictograms or hazard symbols Signal word Hazard statements	Danger H226-Flammable liqu H302-Harmful if swall H311-Toxic in contac H314-Causes severe H412-Harmful to aqua P260-Do not breathe	id and vapour. owed. t with skin. skin burns and eye damage. atic life with long lasting effects. dusts or mists.
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Long-term aquatic hazard 2 Label elements Pictograms or hazard symbols Signal word Hazard statements Precautionary statements 3 Other hazards	Danger H226-Flammable liqu H302-Harmful if swall H311-Toxic in contac H314-Causes severe H412-Harmful to aqua P260-Do not breathe P301+P330+P331+P POISON CENTER or P303+P361+P353+P Rinse skin with water clothing before reuse P304+P340+P310-IF Immediately call a PC P305+P351+P338+P lenses, if present and P370+P378-In case of	id and vapour. owed. t with skin. skin burns and eye damage. atic life with long lasting effects. dusts or mists. 310-IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Immediately call a doctor. 310+P363-IF ON SKIN (or hair): Take off immediately all contaminated clothing. or shower. Immediately call a POISON CENTER or doctor. Wash contaminated INHALED: Remove person to fresh air and keep comfortable for breathing. DISON CENTER or doctor. 310-IF IN EYES: Rinse cautiously with water for several minutes. Remove conta easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor.
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## SECTION 3: Composition/information on ingredients

3.1 Substances	
Components:	Hexylamine
Percent:	>99.0%(GC)(T)
CAS RN:	111-26-2
EC-No:	203-851-8
Synonyms:	1-Aminohexane, Hexan-1-amine
Chemical Formula:	C6H15N

# 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 victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or doctor/physician. Eye contact: Remove/Take off immediately all contaminated clothing. Gently wash with plenty of soap and water. Ingestion: 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. 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	Take care as it may decompose upon combustion or in high temperatures to generate poisonous fume. Carbon dioxide, Carbon monoxide, Nitrogen oxides (NOx)	
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: Keep containers cool by spraying with water. Eliminate all ignition sources 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 extra personal protective equipment (self-contained breathing apparatus). 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 dry sand or inert absorbent before recovering it into an airtight container. 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. Remove all sources of ignition. Fire-extinguishing devices should be prepared in case of a fire. Use spark-proof tools and explosion-proof equipment.	
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. Keep away from heat/sparks/open flame/hot surfacesNo smoking. Take measures to prevent the build up of electrostatic charge. Use explosion-proof equipment. 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 under inert gas. Store locked up. Store away from incompatible materials such as oxidizing agents. Air-sensitive	
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:	Dhucical	and	homical	Inconartia
ISECTION 9:	Physical	and c	nemical	properties

9.1 Information on basic physical and cl	nemical properties		
Physical state (20°C):	Liquid		
Form:	Clear		
Colour:	Colorless - Slightly pale yellow		
Odour:	No data available		
pH:	11.6 (10g/L H₂O soln. 20°C)		
Melting point/freezing point:	-19°C		
Boiling point/range:	130°C		
Flash point:	27°C		
Evaporation rate(Butyl Acetate=1):	No data available		
Flammability(solid, gas):	No data available		
Flammability or explosive limits:			
Lower:	2.1%		
Upper:	9.3%		
Vapour pressure:	0.87kPa/20°C		
Vapour density:	3.5		
Relative density:	0.77		
Solubility(ies):			
[Water]	Slightly soluble (1.2g/100mL)		
[Other solvents]			
Soluble:	Ether, Ethanol		
Partition coefficient:	1.52/2.34		
n-octanol/water:			
Autoignition temperature:	270°C		
Decomposition temperature:	No data available		
Dynamic Viscosity:	No data available		
Kinematic viscosity:	No data available		
9.2 Other safety information	No data available		
SECTION 10: Stability and reactivit	y		
10.1 Reactivity	No data available		

ion neutriny	
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	Spark, Open flame, Static discharge
10.5 Incompatible materials	Oxidizing agents, Acids
	- Carbon diavida, Carbon manavida, Nitragan avidas (NOv)

10.6 Hazardous decomposition products Carbon dioxide, Carbon monoxide, Nitrogen oxides (NOx)

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

1.1 Information on toxicological effects		
Acute Toxicity:	ihl-rat LCLo:500 ppm/4H	
	orl-rat LD50:670 mg/kg	
	skn-rbt LD50:420 uL/kg	
Skin corrosion/irritation:	skn-rbt 500 mg open SEV	
	skn-rbt 10 mg/24H open SEV	
Serious eye damage/irritation:	eye-rbt 750 ug/24H SEV	
	eye-rbt 5 mg MOD	
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:	MQ4540000	

SECTION 12: Ecological information	n	
12.1 Toxicity		
Fish:	No data available	
Crustacea:	No data available	
Algae:	No data available	
12.2 Persistence and degradability	No data available	
12.3 Bioaccumulative potential	No data available	
12.4 Mobility in soil		
Log Pow:	1.52/2.34	
Soil adsorption (Koc):	No data available	
Henry's Law (PaM <sup>3</sup> /mol):	No data available	
12.5 Results of PBT and vPvB assess	ent	
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 informat	ion		
14.1 UN number	2734		
14.2 UN proper shipping name			
ADR/RID	Amines, liquid, corrosive,		
IMDG/IMO Amines, liquid, corrosive, flammable, n.o.s			
ICAO/IATA	Amines, liquid, corrosive, flammable, n.o.s		
14.3 Transport hazard class(es)			
ADR/RID	8: Corrosive		
Subsidiary risk:	3: Flammable liquid.		
IMDG/IMO	8: Corrosive		
Subsidiary risk:	3: Flammable liquid.		
ICAO/IATA	8: Corrosive		
Subsidiary risk:	3: Flammable liquid.		
14.4 Packaging group			
ADR/RID	I		
IMDG/IMO	I		
ΙCAO/ΙΑΤΑ	I		
14.5 Environmental hazards			
Marine pollutant	-		
14.6 Special precautions for user	No data available		
SECTION 15: Regulatory informa	tion		
15.1 Safety, health and environmenta			
Water Hazard Classes (WGK) :		Class 1 - Low hazard to waters	
Substance of Very High Concern REACH Regulations (EC) No.190		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:	04/11/2019		
This SDS was prepared sincerely on the	e basis of the information we c	could obtained, however, any warranty shall not be given regarding the data	
		lease investigate not only the hazards and toxicity information but also the	
		products are to be used, which shall be given the first priority.	

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 "having unknown hazards and toxicity", which differ greatly depending on the conditions and handling when in use and/or the conditions and duration of storage. 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