TCI EUROPE N.V. SAFETY DATA SHEET According to 1907/2006/EC, Article 31 Revision number: 1

SECTION 1: Identification of the s	substance/mixture and of the	company/undertaking
.1 Product identifiers		
Product name:	3,3-Dimethyl-1-butene	
Product code:	D1163	
.2 Relevant identified uses of the sul Identified uses:	ostance or mixture and uses advis Reagents.	sed against
.3 Details of the supplier of the safet	y data sheet	
Supplier: TCI EUROPE N.V.		
Boerenveldseweg 6		
Haven 1063		
B-2070 Zwijndrecht		
Telephone: +32(0)3 735 07 0	0	
E-mail: sales-eu@tcichemica	ls.com	
4 Emergency telephone number:	+32(0)70 245 245	
ECTION 2: Hazards identificatio	n	
1 Classification of the substance or		
Flammable liquids		ategory 2
Skin corrosion/irritation		ategory 2
Serious eye damage/eye irritation	i Ca	ategory 2
	Ca	ategory 1
	Ca	ategory 1
2 Label elements Pictograms or hazard symbols		ategory 1
2 Label elements Pictograms or hazard symbols	Danger	
2 Label elements Pictograms or hazard symbols		
2 Label elements Pictograms or hazard symbols	Danger H225-Highly flammable liquid ar H315-Causes skin irritation. H319-Causes serious eye irritat	nd vapour.
2 Label elements Pictograms or hazard symbols Signal word Hazard statements	Danger H225-Highly flammable liquid ar H315-Causes skin irritation. H319-Causes serious eye irritat H304-May be fatal if swallowed	nd vapour. ion. and enters airways.
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2 Label elements Pictograms or hazard symbols Signal word Hazard statements	Danger H225-Highly flammable liquid ar H315-Causes skin irritation. H319-Causes serious eye irritat H304-May be fatal if swallowed P210-Keep away from heat/spa P280-Wear protective gloves, et	nd vapour. ion. and enters airways. rks/open flames/hot surfaces No smoking. ye protection.
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Revision date: 10/02/2018

### SECTION 3: Composition/information on ingredients

3.1 Substances	
Components:	3,3-Dimethyl-1-butene
Percent:	>96.0%(GC)
CAS RN:	558-37-2
EC-No:	209-195-9
Synonyms:	Neohexene
Chemical Formula:	C6H12

# SECTION 4: First aid measures 4.1 Description of first aid measures Inhalation: Skin contact: Eye contact: Ingestion: 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	This substance may polimerize explosively when heated or involved in a fire. Container may explode when heated. Combat fire from a sheltered position. 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: 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 a covered 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. Heat-sensitive, 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: Phy	sical and	chemical	nronerties
	SICALATICE	. nenncar	UDDELLES

9.1 Information on basic physical and chemical properties		
Physical state (20°C):	Liquid	
Form:	Clear	
Colour:	Colorless - Almost colorless	
Odour:	No data available	
pH:	No data available	
Melting point/freezing point:	No data available	
Boiling point/range:	41°C	
Flash point:	-28°C	
Evaporation rate(Butyl Acetate=1):	No data available	
Flammability(solid, gas):	No data available	
Flammability or explosive limits:		
Lower:	1.2%	
Upper:	No data available	
Vapour pressure:	100.7kPa/37.7°C	
Vapour density:	>1	
Relative density:	0.65	
Solubility(ies):		
[Water]	Insoluble	
[Other solvents]		
Soluble:	Ether, Chloroform, Ethanol, Carbon tetrachloride	
Partition coefficient:	No data available	
n-octanol/water:		
Autoignition temperature:	No data available	
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 reactivity		
10.1 Reactivity	No data available	
10.2 Chemical stability	Polymerization may occur under the influences of heat, light or on contact with polymerization initiators such as peroxides etc.	
10.3 Possibility of hazardous reactions	No special reactivity has been reported.	

10.6 Hazardous decomposition products Carbon dioxide, Carbon monoxide

Oxidizing agents

10.4 Conditions to avoid

10.5 Incompatible materials

Heat, Spark, Open flame, Static discharge, Light

# SECTION 11: Toxicological information

11.1 Information on toxicological effects	
Acute Toxicity:	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:	
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

# SECTION 12: Ecological information

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:	No data available
Soil adsorption (Koc):	No data available
Henry's Law (PaM <sup>3</sup> /mol):	No data available
12.5 Results of PBT and vPvB assessme	ent
PBT:	Not applicable
vPvB:	Not applicable

#### 12.6 Other adverse effects

## 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 but exert extra care in igniting as this material is highly flammable. Observe all federal, state and local regulations when disposing of the substance

No data available

SECTION 14: Transport information		
14.1 UN number	3295	
14.2 UN proper shipping name		
ADR/RID	Hydrocarbons, liquid, n.o.s	
IMDG/IMO	Hydrocarbons, liquid, n.o.s	
ΙCAO/ΙΑΤΑ	Hydrocarbons, liquid, n.o.s	
14.3 Transport hazard class(es)		
ADR/RID	3: Flammable liquid	
IMDG/IMO	3: Flammable liquid	
ICAO/IATA	3: Flammable liquid	
14.4 Packaging group		
ADR/RID	ll	
IMDG/IMO	II	
ICAO/IATA	II	
14.5 Environmental hazards		
Marine pollutant	-	
14.6 Special precautions for user	No data available	

## SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture Substance of Very High Concern (SVHC) according to the Not listed REACH Regulations (EC) No.1907/2006

#### 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:	10/02/2018

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 "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