**C**I TCI EUROPE N.V.

# SAFETY DATA SHEET

According to 1907/2006/EC, Article 31

Rev	vision number: 1	Revision date: 10/02/201
SECTION 1: Identification of the s	substance/mixture and of the company/undertaking	
.1 Product identifiers		
Product name:	4-(Dicyanomethylene)-2,6-dimethyl-4H-pyran	
Product code:	D2791	
.2 Relevant identified uses of the sub Identified uses:	ostance or mixture and uses advised against Reagents.	
.3 Details of the supplier of the safety	v data sheet	
Supplier:		
TCI EUROPE N.V.		
Boerenveldseweg 6		
Haven 1063		
B-2070 Zwijndrecht		
Telephone: +32(0)3 735 07 00	0	
E-mail: sales-eu@tcichemical		
.4 Emergency telephone number:	+32(0)70 245 245	
SECTION 2: Hazards identification		
.1 Classification of the substance or		
Acute toxicity (Oral)	Category 3	
Acute toxicity (Dermal)	Category 3	
Acute toxicity (Inhalation)	Category 3	
,	Category 3 Category 2	
Skin corrosion/irritation Serious eye damage/eye irritation	Category 2	
Skin corrosion/irritation Serious eye damage/eye irritation .2 Label elements	Category 2	
Skin corrosion/irritation Serious eye damage/eye irritation 2.2 Label elements Pictograms or hazard symbols	Category 2 Category 2	
Skin corrosion/irritation Serious eye damage/eye irritation 2 Label elements Pictograms or hazard symbols Signal word	Category 2 Category 2 Danger	or if inhaled
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SECTION 3: Composition/information on ingredients

3.1 Substances	
Components:	4-(Dicyanomethylene)-2,6-dimethyl-4H-pyran
Percent:	>98.0%(HPLC)(N)
CAS RN:	28286-88-6
Synonyms:	2-(2,6-Dimethyl-4H-pyran-4-ylidene)propanedinitrile
Chemical Formula:	C10H8N2O

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. Call a POISON CENTER or doctor/physician.
Skin contact:	Remove/Take off immediately all contaminated clothing. Gently wash with plenty of soap and water. 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. If eye irritation persists: Get medical advice/attention.
Ingestion:	Immediately call a POISON CENTER or doctor/physician. Rinse mouth.
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:	Dry chemical, foam, water spray, carbon dioxide.
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: 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. 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	Sweep dust to collect it into an airtight container, taking care not to disperse it. 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 dispersion of dust. Wash hands and face thoroughly after handling. Use a closed system if possible. Use a local exhaust if dust 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.

4-(Dicyanomethylene)-2,6-dimeth yl-4H-pyran

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:	Dust 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: Skin and body protection:	Safety goggles. A face-shield, if the situation requires. Impervious protective clothing. Protective boots, if the situation requires.	

Information on basic physical and cl	
Physical state (20°C):	Solid
Form:	Crystal - Powder
Colour:	Pale yellow - Greyish yellow red
Odour:	No data available
pH:	No data available
Melting point/freezing point:	193°C
Boiling point/range:	No data available
Flash point:	No data available
Evaporation rate(Butyl Acetate=1):	No data available
Flammability(solid, gas):	No data available
Flammability or explosive limits:	
Lower:	No data available
Upper:	No data available
Vapour pressure:	No data available.
Vapour density:	No data available
Relative density:	No data available
Solubility(ies):	
[Water]	No data available
[Other solvents]	
Slightly soluble:	Acetonitrile
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
Other safety information	No data available

SECTION	10. Stability	y and reactivity
SECTION	IU. Stability	y and reactivity

10.1 Reactivity No data a	ailable
10.2 Chemical stability Stable und	er proper conditions.
10.3 Possibility of hazardous reactions No specia	reactivity has been reported.
<b>10.4 Conditions to avoid</b> No data a	ailable
<b>10.5 Incompatible materials</b> Oxidizing	igents

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

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## 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 dissolve or mix material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber system. Observe all federal, state and local regulations when disposing of the substance.

No data available

SECTION 14: Transport information		
14.1 UN number	3439	
14.2 UN proper shipping name		
ADR/RID	Nitriles, solid, toxic, n.o.s	
IMDG/IMO	Nitriles, solid, toxic, n.o.s	
ICAO/IATA	Nitriles, solid, toxic, n.o.s	
14.3 Transport hazard class(es)		
ADR/RID	6.1: Toxic substance	
IMDG/IMO	6.1: Toxic substance	
ICAO/IATA	6.1: Toxic substance	
14.4 Packaging group		
ADR/RID	III	
IMDG/IMO	III	
ICAO/IATA	III	
14.5 Environmental hazards		
Marine pollutant	-	
14.6 Special precautions for user	No data available	

D2791	4-(Dicyanomethylene)-2,6-dimeth	Page 4 of s
	vI-4H-pvran	

#### 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