TCI EUROPE N.V.

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SAFETY DATA SHEET

According to 1907/2006/EC, Article 31

Revis	sion number: 1	Revision date: 10/02/2018
	bstance/mixture and of the company/undertaking	
1.1 Product identifiers		
Product name:	5-Bromoisatin	
Product code:	B1566	
1.2 Relevant identified uses of the subs Identified uses:	tance or mixture and uses advised against Reagents.	
1.3 Details of the supplier of the safety of Supplier:	data sheet	
TCI EUROPE N.V. Boerenveldseweg 6		
Haven 1063		
B-2070 Zwijndrecht		
Telephone: +32(0)3 735 07 00 E-mail: sales-eu@tcichemicals.	com	
1.4 Emergency telephone number:	+32(0)70 245 245	
SECTION 2: Hazards identification		
2.1 Classification of the substance or m		
Skin corrosion/irritation	Category 2	
Serious eye damage/eye irritation	Category 1	
2.2 Label elements Pictograms or hazard symbols Signal word Hazard statements	Danger H315-Causes skin irritation.	
Precautionary statements	H318-Causes serious eye damage. P264-Wash hands and face thoroughly after handling. P280-Wear protective gloves, face protection. P302+P352+P332+P313+P362+P364-IF ON SKIN: Wash with pl Get medical advice or attention. Take off contaminated clothing a P305+P351+P338+P310-IF IN EYES: Rinse cautiously with wate lenses, if present and easy to do. Continue rinsing. Immediately of	nd wash it before reuse. r for several minutes. Remove contact
2.3 Other hazards	inneed, in present and easy to do. Continue mising. Initiediately t	
Results of PBT and vPvB assessmen		
PBT:	Not applicable	
vPvB:	Not applicable	
SECTION 3: Composition/informati	on on ingredients	
3.1 Substances		
Components:	5-Bromoisatin	
Percent:	>97.0%(HPLC)(T)	
CAS RN:	87-48-9	
EC-No:	201-747-7	
Synonyms:	5-Bromo-2,3-indolinedione, 5-Bromoindole-2,3-dione	
Chemical Formula:	C8H4BrNO2	

5-Bromoisatin

SECTION 4: First aid measures	
4.1 Description of first aid measure	15
Inhalation:	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention if you feel unwell.
Skin contact:	Remove/Take off immediately all contaminated clothing. Gently wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention.
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:	Get medical advice/attention if you feel unwell. 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), Hydrogen bromide	
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 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 and dark place. Store away from incompatible materials such as oxidizing agents.	
7.3 Specific end use(s)	No further relevant information available.	
SECTION 8: Exposure controls/pers	sonal protection	
8.1 Control parameters	No data available	
8.2 Exposure controls	Install a closed system or local exhaust as possible so that workers should not be exposed directly. Also install safety shower and eye bath.	
Respiratory protection: Hand protection: Eye protection: Skin and body protection:	Dust respirator. Follow local and national regulations. Protective gloves. Safety glasses. A face-shield, if the situation requires. Protective clothing. Protective boots, if the situation requires.	

	SECTION 9: Physical and chemical properties		
9.1 Information on basic physical and cl			
Physical state (20°C):	Solid		
Form:	Crystal - Powder		
Colour:	Pale yellow - Yellow red		
Odour:	No data available		
pH:	No data available		
Melting point/freezing point:	253°C (dec.)		
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]			
Soluble:	Dimethylformamide(DMF)		
Partition coefficient:	1.69		
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	
No data available	
Stable under proper conditions.	
No special reactivity has been reported.	
No data available	
Oxidizing agents	

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

SECTION 11: Toxicological information 1

1.1 Information on toxicological effects	
Acute Toxicity:	ipr-mus LD50:437 mg/kg ipr-rat LD50:680 mg/kg orl-mus LD50:3430 mg/kg
Skin corrosion/irritation:	No data available
Serious eye damage/irritation:	eye-rbt 5 mg/24H SEV
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:	NL7875000

SECTION 12: Ecological informat 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:	1.69
Soil adsorption (Koc):	No data available
Henry's Law (PaM ³ /mol):	No data available
12.5 Results of PBT and vPvB assess	
PBT:	Not applicable
vPvB:	Not applicable
12.6 Other adverse effects	No data available
13.1 Waste treatment methods Recycle to process, if possible. Con and burn in a chemical incinerator e	sult your local regional authorities. You may be able to dissolve or mix material with a combustible solven quipped with an afterburner and scrubber system. Observe all federal, state and local regulations when
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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
 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:	10/02/2018

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