OTTO CHEMIE PVT LTD

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-----ISO 9001: 2015-----

MATERIAL SAFETY DATA SHEET

1.Identification 1.1GHS Product ider Lawesson's reagent Code L 1288	
Substances and mixtu	on the substance or mixture irres, which in contact with water, emit flammable gases, Category 2 its, including precautionary statements
Signal word	Danger
()	H261 In contact with water releases flammable gas
Precautionary	S VM
statement(s)	
Prevention	P223 Do not allow contact with water.
	P231+P232 Handle and store contents under inert gas/ Protect from moisture.
	P280 Wear protective gloves/protective clothing/eye
	protection/face protection.
Response	P302+P335+P334 IF ON SKIN: Brush off loose
	particles from skin. Immerse in cool water [or wrap in
	wet bandages].
	P370+P378 In case of fire: Use to extinguish.
Storage	P402+P404 Store in a dry place. Store in a closed
Discust	container.
Disposal	P501 Dispose of contents/container to
	ich do not result in classification
none	

3.Composition/information on ingredients

3.1Substances

	Common names and synonyms	-	EC number	Concentration
Lawesson's Reagent	Lawesson's Reagent	19172-47- 5	none	100%

4.First-aid measures

4.1Description of necessary first-aid measures

General advice

Consult a physician. Show this safety data sheet to the doctor in attendance.

If inhaled

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician. In case of skin contact

Wash off with soap and plenty of water. Consult a physician.

In case of eye contact

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

If swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician. 4.2Most important symptoms/effects, acute and delayed

no data available

4.3Indication of immediate medical attention and special treatment needed, if necessary no data available

5.Fire-fighting measures 5.1Extinguishing media Suitable extinguishing media Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide. 5.2Specific hazards arising from the chemical no data available 5.3Special protective actions for fire-fighters Wear self-contained breathing apparatus for firefighting if necessary.

6.Accidental release measures

6.1Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure adequate ventilation.

Evacuate personnel to safe areas. Avoid breathing dust. For personal protection see section 8.

6.2Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided. 6.3Methods and materials for containment and cleaning up

Pick up and arrange disposal. Sweep up and shovel. Keep in suitable, closed containers for disposal.

7.Handling and storage

7.1Precautions for safe handling

Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Avoid exposure - obtain special instructions before use. Provide appropriate exhaust ventilation at places where dust is formed. For precautions see section 2.2. **7.2Conditions for safe storage, including any incompatibilities** Store in cool place. Keep container tightly closed in a dry and well-ventilated place.

8.Exposure controls/personal protection

8.1Control parameters

Occupational Exposure limit values

no data available

Biological limit values

no data available

8.2Appropriate engineering controls

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday. 8.3Individual protection measures, such as personal protective equipment (PPE)

Eye/face protection

Safety glasses with side-shields conforming to EN166. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection

Wear impervious clothing. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace. Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique(without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

Respiratory protection

Wear dust mask when handling large quantities. Thermal hazards

no data available

9.Physical and chemical properties

9.Physical and chem	ical properties
Physical state	light yellow to beige powder
Colour	no data available
Odour	no data available
Melting point/	228-231\u00baC
freezing point	
Boiling point or	525.8\u00baC at 760mmHg
initial boiling point	
and boiling range	
Flammability	no data available
Lower and upper	no data available
explosion limit /	
flammability limit	
Flash point	no data available
Auto-ignition	no data available
temperature	
Decomposition	no data available
temperature	
pH	no data available
Kinematic viscosity	no data available

Solubility no data available Partition coefficient no data available n-octanol/water (log value) 1.28E-10mmHg at 25\u00b0C Vapour pressure Density and/or 1.48g/cm3 relative density Relative vapour no data available density Particle no data available characteristics

10.Stability and reactivity
10.1Reactivity
no data available
10.2Chemical stability
Stable under recommended storage conditions.
10.3Possibility of hazardous reactions no data available
10.4Conditions to avoid no data available
10.5Incompatible materials no data available
10.6Hazardous decomposition products no data available

11.Toxicological information Acute toxicity Oral: no data available Inhalation: no data available Dermal: 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 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

12.Ecological information 12.1Toxicity

Toxicity to fish: no data available Toxicity to daphnia and other aquatic invertebrates: no data available Toxicity to algae: no data available Toxicity to microorganisms: no data available **12.2Persistence and degradability** no data available **12.3Bioaccumulative potential** no data available **12.4Mobility in soil** no data available **12.5Other adverse effects** no data available

13.Disposal considerations 13.1Disposal methods

Product

The material can be disposed of by removal to a licensed chemical destruction plant or by controlled incineration with flue gas scrubbing. Do not contaminate water, foodstuffs, feed or seed by storage or disposal. Do not discharge to sewer systems.

Contaminated packaging

Containers can be triply rinsed (or equivalent) and offered for recycling or reconditioning. Alternatively, the packaging can be punctured to make it unusable for other purposes and then be disposed of in a sanitary landfill. Controlled incineration with flue gas scrubbing is possible for combustible packaging materials.

14.Transport info	rmation		
14.1UN Number			
ADR/RID: UN3278		IATA: UN3	278
14.2UN Proper Sh			
	OPHOSPHORUS COMPOUN		
	HOSPHORUS COMPOUND,		
	IOSPHORUS COMPOUND, L	LIQUID, TOXIC,	N.O.S.
14.3Transport haz	()		
ADR/RID: 4.3	IMDG: 4.3	IATA: 4.3	
14.4Packing grou			
ADR/RID: III	IMDG: III	IATA: III	
14.5Environmenta		1.4 7 4	
ADR/RID: no	IMDG: no	IATA: no	
14.6Special preca	utions for user		
no data available			0
14.7 I ransport in t no data available	oulk according to Annex II o	of MARPOL 73/7	8 and the l
	rmation		/
15.Regulatory info		ions specific fo	r the produ
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Section 16: Other Information

This safety data sheet should be used in conjunction with technical sheets. It does not replace them. The information given is based on our knowledge of this product, at the time of publication. It is given in good faith. The attention of the user is drawn to the possible risks incurred by using the product for any other purpose other than that for which it was intended. This does not in any way excuse the user from knowing and applying all the regulations governing his activity. It is the sole responsibility of the user to take all precautions required in handling the product. The aim of the mandatory regulations mentioned is to help the user to fulfill his obligations regarding the use of hazardous products.

