Name of the Product	**Pseudomonas Isolation Agar Plate**
Code No.	**PM1406**

Section 1 : **Chemical Identification**

Code No.	:	PM1406
Name of the Product	:	Pseudomonas Isolation Agar Plate
Produced by	:	Central Drug House Pvt. Ltd.
Address	:	7/28 Vardaan House, Darya Ganj, New Delhi (INDIA)
Tel. No.	:	00 91 11 49404040

Section 2 Hazards Identification

2.1 Classification of the substance or mixture

CLP Classification-Regulation (EC) No. 1272/2008[EU-GHS/CLP]

This mixture does not meet the criteria for classification in accordance with Regulation No 1272/2008/EC.

2.2 Label elements

Labeling according to Regulation (EC) No.1272/2008

No required

2.3 Other Hazards

Results of PBT and vPvB assessment
Does not contain a PBT-/vPvB-substance in a concentration of ≥ 0,1%.
Endocrine disrupting properties
Does not contain an endocrine disruptor (EDC) in a concentration of ≥ 0,1%.

Section 3 Composition/Information On Ingredients

3.1 Substances

Not relevant (mixture)

3.2 Mixture

Description of the mixture

Name of substance	Identifier	Wt%	Classification acc. to GHS
Irgasan	CAS No 3380-34-5 EC No 222-182-2 Index No 604-070-00-9	< 1	Skin Irrit. 2 / H315 Eye Irrit. 2 / H319 Aquatic Acute 1 / H400 Aquatic Chronic 1 / H410

Name of substance	Specific Conc. Limits	M-Factors	ATE	Exposure route
Irgasan	-	M-factor (acute) = 100 M-factor (chronic) = 100	-	

For full text of abbreviations: see SECTION 16.

Section 4	**First - Aid Measures**
	4.1 Description of first aid measures ***General advice*** *Do not leave affected person unattended. Remove victim out of the danger area. Keep affected person warm, still and covered. Take off immediately all contaminated clothing. In all cases of doubt, or when symptoms persist, seek* medical advice. In case of unconsciousness place person in the recovery position. Never give anything by mouth. ***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 contactas*** Rinse immediately with plenty of water for at least 15 minutes. Consult a physician. ***If swallowed*** Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician. **4.2 Most important symptoms and effects, both acute and delayed** No data available. **4.3 Indication of immediate medical attention and special treatment needed** No data available
Section 5	**Fire Fighting Measures**
	5.1 Extinguishing media ***Suitable extinguishing media*** Water, Foam, ABC-powder ***Unsuitable extinguishing media*** Water jet **5.2 Special hazards arising from the substance or mixture** Carbon oxides. Magnesium oxides. Potassium oxides. **5.3 Advice for firefighters** In case of fire and/or explosion do not breathe fumes. Co-ordinate firefighting measures to the fire surroundings. Do not allow firefighting water to enter drains or water courses. Collect contaminated firefighting water separately. Fight fire with normal precautions from a reasonable distance. **5.4 Further information** No data available
Section 6	**Accidental Release Measures**
	6.1 Personal precautions, protective equipment and emergency procedures For non-emergency personnel Remove persons to safety. For emergency responders Wear breathing apparatus if exposed to vapours/dust/spray/gases. **6.2 Environmental precautions** Keep away from drains, surface and ground water. Retain contaminated washing water and dispose of it. **6.3 Methods and materials for containment and cleaning up** Advice on how to contain a spill Covering of drains, Take up mechanically Advice on how to clean up a spill Take up mechanically. Other information relating to spills and releases Place in appropriate containers for disposal. Ventilate affected area. **6.4 Reference to other sections** Personal protective equipment: see section 8. Incompatible materials: see section 10. Disposal considerations: see section 13.

Section 7	**Handling and Storage**

7.1 Precautions for safe handling

Recommendations

- Measures to prevent fire as well as aerosol and dust generation

Use local and general ventilation. Take precautionary measures against static discharge. Use only in well-ventilated areas. Ground/bond container and receiving equipment.

- Specific notes/details

Dust deposits may accumulate on all deposition surfaces in a technical room. The product in the delivered form is not dust explosion capable; the enrichment of fine dust however leads to the danger of dust explosion.

Advice on general occupational hygiene

Wash hands after use. Do not eat, drink and smoke in work areas. Remove contaminated clothing and protective equipment before entering eating areas. Never keep food or drink in the vicinity of chemicals. Never place chemicals in containers that are normally used for food or drink. Keep away from food, drink and animal feedingstuffs.

7.2 Conditions for safe storage, including any incompatibilities

Managing of associated risks

- Explosive atmospheres

Removal of dust deposits.

Ventilation requirements

Use local and general ventilation.

- Specific designs for storage rooms or vessels
- Storage temperature Recommended storage temperature: 20 – 30 °C

7.3 Specific end use(s)

See section 16 for a general overview.

Section 8 Exposure Controls / Personal Protection

8.1 Control parameters

Occupational exposure limit values (Workplace Exposure Limits)

Coun-try	Name of agent	CAS No	Identi-fier	TWA [ppm]	TWA [mg/ms]	STEL [ppm]	STEL [mg/ms]	Ceiling-C [ppm]	Ceiling-C [mg/ms]	Nota-tion	Source
DE	dust		MAK		4					i	DFG
DE	dust		MAK		0,3		2,4			r	DFG
DE	dust		AGW		10		20			Y, i	TRGS 900
DE	dust		AGW		1,25		2,5			Y, r	TRGS 900

Notation

Ceiling-C ceiling value is a limit value above which exposure should not occur

i inhalable fraction

r respirable fraction

STEL short-term exposure limit: a limit value above which exposure should not occur and which is related to a 15-minute period

(unless otherwise specified)

TWA time-weighted average (long-term exposure limit): measured or calculated in relation to a reference period of 8 hours

time-weighted average (unless otherwise specified)

Y a risk of developmental toxicity does not need to be expected if the occupational exposure limit value and the biological

limit value (BGW) are adhered to

8.2 Exposure controls

Appropriate engineering controls

Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the products

Personal protective equipment

Hygiene measure

Immediately change contaminated clothing. Apply preventive skin protection. Wash hands and face after working with the product.

Eye/face protection

Tightly fitting saftey goggles; Faceshield (8-inch minimum). Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU).

Skin protection

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 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.

Body protection

Complete suit protecting against chemicals. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection

Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Environment exposure controls

Do not empty into drains.

Section 9 Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

Physical state	Solid
Colour	Sterile medium in 90mm disposable petri plates - Light yellow coloured medium
Odour	Characteristic
Melting/freezing point	Not determined

	Initial boiling point and boiling range — Not determined Flammability — Non-combustible Lower and upper explosion limit — Not determined Flash point — Not applicable Autoignition Temperature — N ot determined Decomposition temperature — Not relevant pH (value) — 6.8 – 7.2 Kinematic viscosity — Not relevant Solubility(ies) — Not determined Partition coefficient: n-octanol/water — No data available Vapour pressure — Not determined Density — Not determined Relative density — No data available Particle characteristics — No data available **9.2 Other safety information** Information with regard to physical hazard classes hazard classes acc. to GHS (physical hazards): not relevant Other safety characteristics there is no additional information
Section 10	**Stability and Reactivity**
	10.1 Reactivity Concerning incompatibility: see below "Conditions to avoid" and "Incompatible materials". **10.2 Chemical stability** The material is stable under normal ambient and anticipated storage and handling conditions of temperature and pressure. **10.3 Possibility of hazardous reactions** No known hazardous reactions. **10.4 Conditions to avoid** There are no specific conditions known which have to be avoided. Hints to prevent fire or explosion The product in the delivered form is not dust explosion capable; the enrichment of fine dust however leads to the danger of dust explosion. **10.5 Incompatible materials** No data available **10.6 Hazardous decomposition products** Reasonably anticipated hazardous decomposition products produced as a result of use, storage, spill and heating are not known. Hazardous combustion products: see section 5.
Section 11	**Toxicological Information**
	11.1 Information on toxicological effects Test data are not available for the complete mixture. Classification procedure The method for classification of the mixture is based on ingredients of the mixture (additivity formula). **Classification according to GHS (1272/2008/EC, CLP)** This mixture does not meet the criteria for classification in accordance with Regulation No 1272/2008/EC. ***Acute toxicity*** Shall not be classified as acutely toxic. ***Skin corrosion/irritation*** Shall not be classified as corrosive/irritant to skin. ***Serious eye damage/eye irritation*** Shall not be classified as seriously damaging to the eye or eye irritant.

Respiratory or skin sensitisation
Shall not be classified as a respiratory or skin sensitiser.
Germ cell mutagenicity
Shall not be classified as germ cell mutagenic.
Carcinogenicity
Shall not be classified as carcinogenic.
Reproductive toxicity
Shall not be classified as a reproductive toxicant.
Specific target organ toxicity- single exposure
Shall not be classified as a specific target organ toxicant (single exposure).
Specific target organ toxicity- repeated exposure
Shall not be classified as a specific target organ toxicant (repeated exposure).
Aspiration hazard
Shall not be classified as presenting an aspiration hazard.

11.2 Information on other hazards
There is no additional information.

Section 12 Ecological Information

12.1 Toxicity

Acc. to 1272/2008/EC: Shall not be classified as hazardous to the aquatic environment.

Verordnung über Anlagen zum Umgang mit wassergefährdenden Stoffen (Ordinance on facilities for handling substances hazardous to water) (AwSV): WGK 1, slightly hazardous to water (Germany)

Biodegradation

The relevant substances of the mixture are readily biodegradable.

12.2 Persistence and degradability
No data available

12.3 Bioaccumulative potential
No data available

12.4 Mobility in soil
No data available

12.5 PBT and vPvB assessment
According to the results of its assessment, this substance is not a PBT or a vPvB. Does not contain a PBT-/vPvB-substance in a concentration of ≥ 0,1%.

12.6 Endocrine disrupting properties
Does not contain an endocrine disruptor (EDC) in a concentration of ≥ 0,1%.

12.7 Other adverse effects
No data available

Section 13 Disposal Considerations

13.1 Waste treatments methods

Sewage disposal-relevant information

Do not empty into drains. Avoid release to the environment. Refer to special instructions/safety data sheets.

Waste treatment of containers/packagings

Use appropriate container to avoid environmental contamination. Completely emptied packages can be recycled.

Remarks

Please consider the relevant national or regional provisions. Waste shall be separated into the categories that can be handled separately by the local or national waste management facilities.

Section 14	**Transport Information**

14.1 UN-No

ADNR: ADR: IATA_C: IATA_P: IMDG: RID:

14.2 UN proper shipping name

ADNR	:	Not dangerous good
ADR	:	Not dangerous good
IATA_C	:	Not dangerous good
IATA_P	:	Not dangerous good
IMDG	:	Not dangerous good
RID	:	Not dangerous good

14.3 Transport hazard class (es)

ADNR: ADR: IATA_C: IATA_P: IMDG: RID:

14.4 Packaging group

ADNR: ADR : IATA_C : IATA_P : IMDG: RID:

14.5 Environmental hazards

ADNR : No ADR : No IMDG : Marine pollutant No IATA_C : No IATA_P : No RID : No

14.6 Special precautions for use

No data available

Section 15	**Regulatory Information**

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

15.1 Safety health and environment regulations/legislation specific for the substance or mixture

Relevant provisions of the European Union (EU)

Restrictions according to REACH, Annex XVII

Dangerous substances with restrictions (REACH, Annex XVII)

Name of substance	Name acc. to inventory	CAS No	Restriction	No
Irgasan	this product meets the criteria for classi- fication in accordance with Regulation No 1272/2008/EC		R3	3

Legend

R3 1. Shall not be used in:

- ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays,
- tricks and jokes,
- games for one or more participants, or any article intended to be used as such, even with ornamental aspects,

2. Articles not complying with paragraph 1 shall not be placed on the market.
3. Shall not be placed on the market if they contain a colouring agent, unless required for fiscal reasons, or perfume, or both, if they:
— can be used as fuel in decorative oil lamps for supply to the general public, and
— present an aspiration hazard and are labelled with H304.
4. Decorative oil lamps for supply to the general public shall not be placed on the market unless they conform to the European Standard on Decorative oil lamps (EN 14059) adopted by the European Committee for Standardisation (CEN).
5. Without prejudice to the implementation of other Union provisions relating to the classification, labelling and packaging of substances and mixtures, suppliers shall ensure, before the placing on the market, that the following requirements are met:
(a) lamp oils, labelled with H304, intended for supply to the general public are visibly, legibly and

indelibly marked as follows: "Keep lamps filled with this liquid out of the reach of children"; and, by 1 December 2010, "Just a sip of lamp oil – or even suck- ing the wick of lamps – may lead to life-threatening lung damage";
(b) grill lighter fluids, labelled with H304, intended for supply to the general public are legibly and indelibly marked by 1 December 2010 as follows: 'Just a sip of grill lighter fluid may lead to life threatening lung damage';
(c) lamps oils and grill lighters, labelled with H304, intended for supply to the general public are packaged in black opaque containers not exceeding 1 litre by 1 December 2010.';

List of substances subject to authorisation (REACH, Annex XIV) / SVHC - candidate list
none of the ingredients are listed

Directive on the restriction of the use of certain hazardous substances in electrical and electronic equipment (RoHS)

none of the ingredients are listed

Regulation concerning the establishment of a European Pollutant Release and Transfer Register (PRTR)

none of the ingredients are listed

Water Framework Directive (WFD)

Name of substance	CAS No	Listed in	Remarks
Irgasan		a)	3

Legend

A) Indicative list of the main pollutants

Regulation concerning the export and import of hazardous chemicals (PIC)

Chemicals subject to the international prior informed consent (PIC) procedure (the 'PIC procedure').

Name of substance	CAS No	Category / subcategory	Use limitation
Irgasan	3380-34-5	p(1) p(2)	bb
Irgasan	3380-34-5	p	b

Legend

b Use limitation: ban (for the sub-category or sub-categories concerned) according to Union legislation

p Category: p - pesticides

p(1) Sub-category: p(1) - pesticide in the group of plant protection products

p(2) Sub-category: p(2) - other pesticide including biocides

Regulation on persistent organic pollutants (POP)

None of the ingredients are listed.

National regulations (Germany)

Verordnung über Anlagen zum Umgang mit wassergefährdenden Stoffen (Ordinance on facilities for handling substances hazardous to water) (AwSV)

Wassergefährdungsklasse, WGK (water hazard class) 3 highly hazardous to water

Storage of hazardous substances in non-stationary containers (TRGS 510) (Germany)

Storage class (LGK) 13 (non-combustible solids)

Country	Inventory	Status
EU	REACH Reg.	all ingredients are listed
US	TSCA	all ingredients are listed (ACTIVE)

Legend

REACH Reg. REACH registered substances TSCA Toxic Substance Control Act

15.2 Chemical Safety Assessment

Chemical safety assessments for substances in this mixture were not carried out.

Section 16 **Other Information**

Further Information

The information contained in this data sheet represents the best information currently available to us. However, no warranty is made with respect to its completeness and we assume no liability resulting from its use. The information is offered solely for user's obligation to investigate and determine the suitability of the information for their particular purpose.