

SAFETY DATA SHEET

Issue Date 24-Nov-2010

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Version 5

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Product identifier

Product name IP CLEAN LX

Other means of identification

Product Code CS62181000

Recommended use of the chemical and restrictions on use

Recommended Use No information available

Details of the supplier of the safety data sheet

Manufacturer

Idemitsu Kosan Co.,Ltd.
28th Floor, JP Tower, 7-2,
Marunouchi 2-Chome,Chiyoda-ku, 100-7028, Japan
Telephone:+81-3-3213-3621
Fax: +81-3-5221-9582

Emergency telephone number

Emergency Telephone 001866 928 0789 (toll free)
+1 215 207 0061 (geographic)

SECTION 2: Hazards identification

Classification

skin corrosion/irritation	Category 2
Aspiration toxicity	Category 1
Flammable liquids	Category 3

Label elements

Emergency Overview

SIGNAL WORD

Danger

Hazard statements

Causes skin irritation
May be fatal if swallowed and enters airways
Flammable liquid and vapor



Appearance Colorless transparent liquid

Physical state liquid

Odor Hydrocarbon.

Precautionary Statements - Prevention

Wash face, hands and any exposed skin thoroughly after handling
 Wear protective gloves/protective clothing/eye protection/face protection
 Keep away from heat/sparks/open flames/hot surfaces. — No smoking
 Keep container tightly closed
 Ground/bond container and receiving equipment
 Use explosion-proof electrical/ventilating/lighting/equipment
 Use only non-sparking tools
 Take precautionary measures against static discharge

Skin

If skin irritation occurs: Get medical advice/attention
 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
 Wash contaminated clothing before reuse

INGESTION

IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician
 Do NOT induce vomiting

Fire

In case of fire: Use CO2, dry chemical, or foam for extinction

Precautionary Statements - Storage

Store locked up
 Store in a well-ventilated place. Keep cool

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

Hazards not otherwise classified (HNOC)

• Not Applicable

Other Information

100% of the mixture consists of ingredient(s) of unknown toxicity

SECTION 3: Composition/information on ingredients

chemical name	CAS No	weight-%
HEPTANE, 2,2,4,6,6-PENTAMETHYL-	13475-82-6	>80

SECTION 4: First aid measures**first aid measures****General advice**

Immediate medical attention is required. In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

Eye contact

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep eye wide open while rinsing. Do not rub affected area. Immediate medical attention is required.

Skin Contact

Wash off immediately with plenty of water.

INHALATION	Move to fresh air in case of accidental inhalation of vapors or decomposition products. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
INGESTION	Call a physician immediately. Never give anything by mouth to an unconscious person. Do NOT induce vomiting.
Self-protection of the first aider	Remove all sources of ignition.
<u>Most important symptoms and effects, both acute and delayed</u>	
Symptoms	No information available.
<u>Indication of any immediate medical attention and special treatment needed</u>	
Note to physicians	No information available.

SECTION 5: FIRE FIGHTING MEASURES

Suitable Extinguishing Media

Water spray (fog). Dry chemical. Alcohol resistant foam. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable Extinguishing Media Do not use a solid water stream as it may scatter and spread fire.

Specific hazards arising from the chemical

Flammable. Thermal decomposition can lead to release of irritating and toxic gases and vapors.

Explosion Data

Sensitivity to Mechanical Impact none.

Sensitivity to Static Discharge none.

Protective equipment and precautions for firefighters

Wear self-contained breathing apparatus and protective suit. Use personal protective equipment as required.

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

Personal precautions Remove all sources of ignition. Evacuate personnel to safe areas. Ensure adequate ventilation, especially in confined areas. Use personal protective equipment as required.

For emergency responders Use personal protection recommended in Section 8.

Environmental precautions

Environmental precautions Prevent product from entering drains. Prevent further leakage or spillage if safe to do so. Do not flush into surface water or sanitary sewer system.

Methods and material for containment and cleaning up

Methods for containment Prevent further leakage or spillage if safe to do so. Cover powder spill with plastic sheet or tarp to minimize spreading. Dike far ahead of liquid spill for later disposal.

Methods for cleaning up Dam up. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Pick up and transfer to properly labeled containers. Soak up with inert absorbent material.

SECTION 7: Handling and storage

Precautions for safe handling

Advice on safe handling

Ensure adequate ventilation, especially in confined areas. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity). Take precautionary measures against static discharges. Use spark-proof tools and explosion-proof equipment. All equipment used when handling the product must be grounded.

Conditions for safe storage, including any incompatibilities

Storage Conditions

Keep tightly closed in a dry and cool place. Keep in properly labeled containers. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity).

Incompatible materials

None known based on information supplied.

SECTION 8: Exposure controls/personal protection

Control parameters

Exposure Guidelines

This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Appropriate engineering controls

Engineering Controls

Ensure adequate ventilation, especially in confined areas.

Individual protection measures, such as personal protective equipment

Eye/face protection

No special technical protective measures are necessary.

Skin and body protection

Suitable protective clothing.

Respiratory protection

No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required. In case of inadequate ventilation wear respiratory protection.

General Hygiene Considerations

When using do not eat, drink or smoke. Regular cleaning of equipment, work area and clothing is recommended.

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

Physical state	liquid	Odor	Hydrocarbon.
Appearance	Colorless transparent liquid	Odor Threshold	No information available
Color	colorless		

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	No information available	
melting point	No information available	
Initial boiling point and boiling range	166 - 202 °C / 331 - 396 °F	
flash point	48 °C / 118 °F	Tag Closed Cup
Flammability Limits in Air		
Upper flammability limits	No information available	
Lower flammability limit	No information available	
Vapor Pressure	No information available	
vapor density	No information available	
relative density	0.754	
Water solubility	No information available	
Solubility(ies)	Insoluble in water soluble in organic solvent	
Partition coefficient	No information available	
Autoignition temperature		
Decomposition temperature	No information available	
Other Information		
Pour point	<-70 °C	
Molecular weight	No information available	
Density	No information available	
Dynamic viscosity	1.23 mPa s @ 40°C	

SECTION 10: Stability and reactivity

Reactivity

No data available

Chemical stability

Stable under normal conditions.

Possibility of Hazardous Reactions

None under normal processing.

Conditions to avoid

Heat, flames and sparks.

Incompatible materials

None known based on information supplied.

Hazardous Decomposition Products

Thermal decomposition can lead to release of irritating and toxic gases and vapors.

SECTION 11: Toxicological information

Information on likely routes of exposure

Product Information No data available

Acute toxicity

Inhalation LC50 No data available	Acute toxicity - Dermal No data available	Acute toxicity (LD50) -Oral- >2000mg/kg
INHALATION	No data available.	
Eye contact	No data available.	
Skin Contact	No data available.	
INGESTION	No data available.	

Information on toxicological effects

Symptoms No information available.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

skin corrosion/irritation	Irritating to skin.
Sensitization	No information available.
Germ cell mutagenicity	No information available.
Carcinogenicity	No information available.
Reproductive toxicity	No information available.
STOT - single exposure	No information available.
STOT - repeated exposure	No information available.
Aspiration hazard	No information available.

Test data of toxical information

Corrosion/Irritation -Dermal-	moderate
Corrosion/Irritation -Eye-	none
Dermal Sensitization	none
testing method	LLNA method
animal	Mouse
mutagenicity	AMES test - negative

Numerical measures of toxicity - Product Information

Unknown Acute toxicity 100% of the mixture consists of ingredient(s) of unknown toxicity

SECTION 12: Ecological information

Ecotoxicity

100% of the mixture consists of components(s) of unknown hazards to the aquatic environment

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility

No information available.

Other adverse effects

No information available

SECTION 13: Disposal considerations

Waste treatment methods

Disposal of wastes	Improper disposal or reuse of this container may be dangerous and illegal.
Contaminated packaging	Do not reuse container.
US EPA Waste Number	D001

SECTION 14: Transport information

DOT

UN/ID no	UN3295
Proper shipping name	Hydrocarbons, liquid, n.o.s
Description	UN3295 Hydrocarbons, liquid, n.o.s , 3, III
Hazard Class	3
Packing Group	III
Special Provisions	144, B1, IB3, T4, TP1, TP29
Emergency Response Guide Number	128

TDG

UN/ID no	UN3295
Proper shipping name	Hydrocarbons, liquid, n.o.s
Description	UN3295 Hydrocarbons, liquid, n.o.s , 3, III
Hazard Class	3
Packing Group	III

IATA

UN/ID no	UN3295
Proper shipping name	Hydrocarbons, liquid, n.o.s
Description	UN3295 Hydrocarbons, liquid, n.o.s , 3, III
Hazard Class	3
Packing Group	III
Special Provisions	A224, A3
ERG Code	3L

IMDG

UN/ID no	UN3295
Proper shipping name	Hydrocarbons, liquid, n.o.s
Description	UN3295 Hydrocarbons, liquid, n.o.s , 3, III, (48°C c.c.)
Hazard Class	3
Packing Group	III
Special Provisions	223
Em S No	F-E, S-D

ADR

UN/ID no	UN3295
Proper shipping name	Hydrocarbons, liquid, n.o.s
Description	UN3295 Hydrocarbons, liquid, n.o.s , 3, III, (D/E)
Hazard Class	3
Packing Group	III

Classification code	F1
Tunnel restriction code	(D/E)

IBC

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not regulated
Proper shipping name	IP CLEAN LX
Ship type	2
CATEGORY	Y

SECTION 15: Regulatory information

US Federal Regulations**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

SARA 311/312 Hazard Categories

Acute health hazard	Yes
Chronic Health Hazard	No
Fire hazard	Yes
Sudden release of pressure hazard	No
Reactive Hazard	No

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

US State Regulations**California Proposition 65**

This product does not contain any Proposition 65 chemicals

U.S. State Right-to-Know Regulations**U.S. EPA Label Information**

EPA Pesticide Registration Number Not Applicable

International Inventories

China (IECSC)

SECTION 16: Other information

Revision date 11-Nov-2014

Revision Note

No information available

Disclaimer

The information contained in this document is created based on the materials, data, and information that are available to us at this time of writing. However, we assume no warranty regarding composition, physical and chemical properties, and hazards of product and its ingredients. Precautionary statements are only applicable when this product is used under normal conditions. Please note that it is the responsibility of user to determine and take appropriate safety measures when the product is not used for the purpose specified in this document.

End of Safety Data Sheet