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MATERIAL SAFETY DATA SHEET

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT

Product Name: **STEKLEAN**
Product Description: Multi-Purpose Cleaner
Product Code: DIC-0015
Intended Use: Cleaning agent

COMPANY IDENTIFICATION

Supplier: **DEARBORN INTERNATIONAL CORP., LTD**
59 Moo 2 Poochaosamingprai Rd., Bangyaparak,
Phrapradang, Samutprakarn 10130 Thailand
Product Technical Information (662) 755-8026
Supplier General Contact (662) 755-8025

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENTS

1. Distillates (Petroleum), Hydrotreated Light	40%
2. Surfactant	11%
3. Emulsifier	3%
4. Solidifier	4%
5. Other	-

SECTION 3: HAZARDS IDENTIFICATION

POTENTIAL PHYSICAL / CHEMICAL EFFECTS

Low hazard. Material can form flammable mixtures or can burn only upon heating.

POTENTIAL HEALTH EFFECTS

If swallowed, may cause lung and stomach damage.
Repeated exposure may cause skin dryness or cracking.
It may be irritating to the eyes, nose, throat, and lungs.
Health studies have shown that potential human health risks may vary from person to person.

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SECTION 4:

FIRST AID MEASURES

GENERAL ADVICE

If you feel unwell, seek medical advice (show the label where possible). First aider needs to protect himself. Move out of dangerous area. Never give anything by mouth to an unconscious person. Take off contaminated clothing and shoes immediately.

INHALATION

If breathed in, move person into fresh air. In the case of inhalation of aerosol/mist consult a physician if necessary. Keep patient warm and at rest. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.

SKIN CONTACT

Wash off immediately with soap and plenty of water. Remove contaminated clothing. Launder contaminated clothing before reuse. If skin irritation persists, call a physician.

EYE CONTACT

Rinse thoroughly with plenty of water. If irritation occurs, get medical assistance.

INGESTION

If swallowed, seek immediate medical attention and show this container or label. DO NOT induce vomiting. If a person vomits when lying on his back, place him in the recovery position.

NOTE TO PHYSICIAN

If ingested, material may be aspirated into the lungs and cause chemical pneumonitis. Treat appropriately.

SECTION 5:

FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA

Suitable extinguishing media: Carbon dioxide (CO₂), Dry chemical, Water spray jet

Unsuitable extinguishing media: High volume water jet

FIRE FIGHTING

Specific hazards: Do not use a solid water stream as it may scatter and spread fire. Exposure to decomposition products may be a hazard to health.

Special protective equipment for fire-fighters: In the event of fire, wear self-contained breathing apparatus. Use personal protective equipment.

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Standard procedure for chemical fires: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. In the event of fire and/or explosion, do not breathe fumes. Use water spray to cool unopened containers. Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. If the temperature rises, there is danger of the vessels bursting due to the high vapor pressure.

SECTION 6:	ACCIDENTAL RELEASE MEASURES
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PROTECTIVE MEASURES

Remove all sources of ignition. Avoid contact with spilled material. Ensure adequate ventilation, especially in confined areas. Immediately evacuate occupants in surrounding areas if required due to toxicity or flammability of the material. Avoid inhalation of vapor or mist. Beware of vapors accumulating to form explosive concentrations.

SPILL MANAGEMENT

Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations. Clean contaminated surface thoroughly.

ENVIRONMENTAL PRECAUTIONS

Do not flush into surface water or sanitary sewer system. Prevent further leakage or spillage if safe to do so. If the product contaminates rivers and lakes or drains inform respective authorities.

SECTION 7:	HANDLING AND STORAGE
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HANDLING

Avoid contact with skin. Use proper bonding and/or grounding procedures. Prevent small spills and leakage to avoid slip hazard. Material can accumulate static charges which may cause an electrical spark (ignition source).

Loading/Unloading Temperature: Ambient

Transport Temperature: Ambient

Static Accumulator: This material is a static accumulator.

Dust explosion class: not applicable

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STORAGE

Requirements for storage areas and containers: Store in original container. Keep container closed in a dry, cool and well-ventilated area. Handle containers with care. Keep away from direct sun exposure and temperatures over 50°C. Protect from frost, heat and sunlight. Storage containers should be grounded and bonded.

Storage Temperature: Ambient

Storage Pressure: Ambient

Suitable Containers/Packing: Cartons; Drums

Suitable Materials and Coatings: Polyethylene

Advice on common storage: Incompatible with oxidizing agents. Keep away from food, drink and animal feeding stuffs. Do not store together with oxidizing and self-igniting products.

SECTION 8:

EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING MEASURES

Provide sufficient air exchange and/or exhaust in work rooms.

PERSONAL PROTECTION

Personal protective equipment selections vary based on potential exposure conditions such as applications, handling practices, concentration and ventilation. Information on the selection of protective equipment for use with this material, as provided below, is based upon intended, normal usage.

Respiratory protection: If engineering measures do not maintain sufficient ventilation to protect worker health, an approved respirator may be appropriate. Respirator selection, use, and maintenance must be in accordance with regulatory requirements, if applicable. Types of respirators to be considered for this material include:

Respirator with filter type A

Hand protection: Choose gloves to protect hands against chemicals depending on the concentration and quantity of the hazardous substance and specific to place of work. For special applications, we recommend clarifying the resistance to chemicals of the aforementioned protective gloves with the glove manufacturer.

Eye protection: If contact is likely, safety glasses with side shields are recommended.

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Skin and body protection: Flame retardant antistatic protective clothing can be used. Choose body protection according to the amount and concentration of the dangerous substance at the workplace.

Specific hygiene measures: Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Discard contaminated clothing and footwear that cannot be cleaned. Practice good housekeeping.

SECTION 9:	PHYSICAL AND CHEMICAL PROPERTIES
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GENERAL INFORMATION

Form:	Cream
Color:	White
Odor:	Mild Petroleum/Solvent
Odor Threshold:	N/D

SAFETY DATA

Flash point:	N/A
Autoignition temperature:	251°C [Approximate]
pH:	N/A
Boiling point / range:	200°C - 250°C
Water solubility:	Negligible

OTHER INFORMATION

Freezing point:	N/D
Melting point:	N/D

SECTION 10:	STABILITY AND REACTIVITY
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STABILITY: Material is stable under normal conditions.

CONDITIONS TO AVOID: Heat, sparks, open flames and other ignition sources.

MATERIALS TO AVOID: Strong oxidizing agents.

HAZARDOUS DECOMPOSITION PRODUCTS: Material does not decompose at ambient temperatures.

HAZARDOUS POLYMERIZATION: Will not occur.



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SECTION 11:	TOXICOLOGICAL INFORMATION
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<u>Route of Exposure</u>	<u>Conclusion / Remarks</u>
Inhalation	
Toxicity: Data available	Minimally Toxic. Based on test data for structurally similar materials
Irritation: Data available	Negligible hazard at ambient/normal handling temperatures. Based on test data for structurally similar materials.
Ingestion	
Toxicity: LD50 > 15000 mg/kg	Minimally Toxic. Based on test data for structurally similar materials.
Skin	
Toxicity: LD50 > 3160 mg/kg	Minimally Toxic. Based on test data for structurally similar materials.
Irritation: Data available	Mildly irritating to skin with prolonged exposure. Based on test data for structurally similar materials.
Eye	
Irritation: Data available	May cause mild, short-lasting discomfort to eyes. Based on test data for structurally similar materials.

SECTION 12:	ECOLOGICAL INFORMATION
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The information given is based on data available for the material, the components of the material and similar materials.

ECOTOXICITY

Material – Not expected to be harmful to aquatic organisms.

Material – Not expected to demonstrate chronic toxicity to aquatic organisms.

PERSISTENCE AND DEGRADABILITY

Biodegradation:

Material – Expected to be readily biodegradable.

Hydrolysis:

Material – Transformation due to hydrolysis not expected to be significant.

Photolysis:

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Material – Transformation due to photolysis not expected to be significant.
Atmospheric Oxidation:
Material – Expected to degrade rapidly in air.

SECTION 13:	DISPOSAL CONSIDERATIONS
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Disposal recommendations based on material as supplied. Disposal must be in accordance with current applicable laws and regulations and material characteristics at time of disposal.

DISPOSAL RECOMMENDATIONS

Product is suitable for burning in an enclosed controlled burner for fuel value or disposal by supervised incineration at very high temperatures to prevent formation of undesirable combustion products.

Empty Container Warning PRECAUTIONARY LABEL TEXT: Empty containers may retain residue and can be dangerous. DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS, STATIC ELECTRICITY, OR OTHER SOURCES OF IGNITION; THEY MAY EXPLODE AND CAUSE INJURY OR DEATH. Do not attempt to refill or clean container since residue is difficult to remove. All containers should be disposed of in an environmentally safe manner and in accordance with governmental regulations.

SECTION 14:	TRANSPORT INFORMATION
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LAND: Not regulated for land transport

SEA: Not regulated for sea transport

AIR: Not regulated for air transport

SECTION 15:	REGULATORY INFORMATION
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Labeling according to EC Directives

1999/45/EC

R-phrases) : R20/21/22 Harmful by inhalation, in contact with skin and if swallowed.
: R36/38 Irritating to eyes and skin.

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Special labeling of certain mixtures : Keep away from sources of ignition – No smoking. Keep out of the reach of children

In accordance with Regulation (EC) No. 648/2004 on detergents : 15 - < 30%: aliphatic hydrocarbons
Other constituents: perfumes

SECTION 16:

OTHER INFORMATION

Full text of R-phrases referred to under sections 2 and 3

R11	Highly flammable
R12	Extremely flammable
R20/21/22	Harmful by inhalation, in contact with skin and if swallowed
R34	Causes burns
R36/38	Irritating to eyes and skin
R50	Very toxic to aquatic organisms

N/D = Not determined, N/A = Not applicable

PRECAUTIONARY LABEL TEXT:

Contains: DISTILLATES (PETROLEUM), HYDROTREATED LIGHT
CAUTION!

HEALTH HAZARDS

Repeated exposure may cause skin dryness or cracking. If swallowed, may be aspirated and cause lung damage.

PHYSICAL HAZARDS

Combustible. Material can accumulate static charges which may cause an incendiary electrical discharge.

PRECAUTIONS

Avoid contact with skin. Use proper bonding and/or grounding procedures.

FIRST AID

Inhalation: Remove from further exposure. For those providing assistance, avoid exposure to yourself or others. Use adequate respiratory protection. If respiratory irritation, dizziness, nausea, or unconsciousness occurs, seek immediate medical assistance. If breathing has stopped, assist ventilation with a mechanical device or use mouth-to-mouth resuscitation.

Eye: Flush thoroughly with water. If irritation occurs, get medical assistance.



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Oral: Seek immediate medical attention. Do not induce vomiting.

Skin: Wash contact areas with soap and water. Remove contaminated clothing. Launder contaminated clothing before reuse.

FIRE FIGHTING MEDIA

Use water fog, foam, dry chemical or carbon dioxide (CO₂) to extinguish flames.

SPILL/LEAK

Land Spill: Eliminate all ignition sources (no smoking, flares, sparks or flames in immediate area). Stop leak if you can do it without risk. Prevent entry into waterways, sewer, basements or confined areas. A vapor suppressing foam may be used to reduce vapors. Absorb or cover with dry earth, sand or other non-combustible material and transfer to containers. Recover by pumping or with suitable absorbent.

Water Spill: Stop leak if you can do it without risk. Confine the spill immediately with booms. Warn other shipping. Remove from the surface by skimming or with suitable absorbents. Report spills as required to appropriate authorities. Seek the advice of a specialist before using dispersants.

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