

Material Safety Data Sheet

DS-SUN PC50



1. COMPANY IDENTIFICATION

Manufacturer/Supplier Identification:	Doosan Corporation, Glonet 10, Suji-ro 112beon-gil, Suji-gu, Yongin-si, Gyeonggi-Do 16858, Korea
Contact Information:	TEL. +82-31-270-1932 FAX. +82-31-270-1910

2. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient:	Phosphatidylcholine from fat free sunflower lecithin
Trade Name:	DS-SUN PC50
Phosphatidylcholine CAS Number:	97281-49-7
Phosphatidylcholine EINECS Number:	306-550-5

3. HAZARD IDENTIFICATION

Potential Acute Health Effects:	Hazardous in case of inhalation. Slightly hazardous in case of skin contact (irritant), of eye contact (irritant), of ingestion.
Potential Chronic Health Effects	
- Carcinogenic Effects:	Not available
- Mutagenic Effects:	Not available
- Teratogenic Effects:	Not available
- Development Toxicity:	Not available

4. FIRST AID MEASURES

Eye Contact:	Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. WARM water MUST be used. Get medical attention if irritation occurs.
Ingestion:	Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately.
Inhalation:	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.
Skin Contact:	Not available. Wash with soap and water

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5. FIRE FIGHTING MEASURES

Fire:	Not considered to be a fire hazard
Explosion:	Not considered to be an explosion hazard
Fire Extinguishing Media:	Use any means suitable for extinguishing surrounding fire

6. ACCIDENTAL RELEASE MEASURES

Small Spills:	Use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.
Large Spills:	Use a shovel to put the material into a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system.

7. HANDLING AND STORAGE

Information for safe handling:	No particular protection required
Protection against fire and explosion:	Do not expose to direct strong heat or open fire
Requirements for storeroom and container:	No particular protection required
Durthier information to storage conditions:	Keep in a tightly closed container, stored at under 5 °C, dry area. Protect against physical damage.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Occupational Exposure Limits:	No occupational exposure limits are known
Respiratory Protection:	No particular protection required
Hand Protection:	No particular protection required
Eye Protection:	Wear protecting glasses
Body Protection:	No particular protection required

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9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Agglomerates
Color:	Yellowish brown
Odor:	Characteristic
Solubility in water:	Partially dispersable
pH Value:	7±2 (10g/L)

10. STABILITY AND REACTIVITY

Substances to be avoided:	Strong oxidizing reagents
Hazardous decomposition products:	No decomposition if used according to specifications
Further information	Hygroscopic

11. TOXICOLOGICAL INFORMATION

It is generally not considered toxic. In general, no toxicological information has not been reported yet..

12. ECOLOGICAL INFORMATION

Biologically degradable. Material is not known to cause significant adverse environmental impact.

13. DISPOSAL CONSIDERATIONS

Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste disposal facility. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements.

14. TRANSPORT INFORMATION

This product is not classified as dangerous as goods according to ADR, RID, IMDG or IATA.

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15. PHYSICAL AND CHEMICAL PROPERTIES

Federal and State Regulations:

No products were found.

Other Regulations:

EINECS: This product is on the European Inventory of Existing Commercial Chemical Substances.

Other Classifications

- WHMIS (Canada):

Not controlled under WHMIS (Canada).

- DSCL (EEC):

This product is not classified according to the EU regulations. Not applicable.

- HMIS (U.S.A.):

Health Hazard: 2

Fire Hazard: 1

Reactivity: 0

Personal Protection: E

- National Fire Protection Association (U.S.A.):

Health: 1

Flammability: 1

Reactivity: 0

Specific hazard:

Protective Equipment:

Gloves. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Safety glasses.

16. OTHER INFORMATION

This information is based on knowledge available until present. More detailed information on the physical and chemical properties can be requested from the supplier. To the best of our knowledge, the information contained herein is accurate and complete. However nothing herein contained shall be construed to imply any warranty or guarantee.

revised on June 14th 2017