Safety Data Sheet (SDS)

Revision / Review Date: 4/9/15

1. Chemical Product and Company Identification

Product Name:	Stearic Acid R
Distributed By:	HB Chemical 1665 Enterprise Parkway Twinsburg Oh 44087 Phone - 330-920-8023
MSDS Prepared By (w Suppliers Input):	HB Chemical
Chemical Name / Family:	Octadecenoic acid
CAS NO:	57-11-4
EC NO:	200-313-4
Molecular weight:	284.48 g/mol
Product Use:	Manufacture of substances
OSHA Status	Not Hazardous

For emergency health, safety, and environmental information, calls 330-920-8023
For emergency transportation information, in the United States: call CHEMTREC at 800-424-9300

2. Hazard(s) Identification

Classification of the substance or mixture:	Not a hazardous substance or mixture.
GHS Label elements including precautionary statements:	Not a hazardous substance or mixture.
Hazards not otherwise classified (HNOC) or not covered by GHS:	None.

3. Composition / Information on Ingredients

Synonyms	Octadecanoic Acid
Molecular weight:	284.48 g/mol
CAS No.	57-11-4
EC-NO	200-313-4

No components need to be disclosed according to the applicable regulations.

4. First Aid Measures

General advice:	Consult a physician. Show this Safety Data Sheet to the doctor in attendance.
Inhalation:	If breathing in move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
Eyes:	Flush eyes with water as a precaution.
Skin:	Wash off with soap and plenty of water. Consult a physician.
Ingestion:	Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.
Most important symptoms and effects, both Acute and delayed:	The most important known symptoms and effects are described in the labeling (section 2) and /or in section 11.
Indication of any immediate medical attention and special treatment needed.	No data available.

5. Fire-Fighting Measures

Suitable Extinguishing Media:	Use water spray, alcohol-resistant foams dry chemical or carbon dioxide.
Special Fire Fighting Procedures:	Wear self-contained breathing apparatus for firefighting if necessary.
Special hazards arising from the substance or mixture:	Carbon oxides.
Further information:	No data available.

6. Accidental Release Measures

Personal precautions, protective equipment and Emergency procedures:	Use personal protective equipment. Avoid dust formation. Avoid breathing vapours, mist or gas. Avoid breathing dust. For personal protection see section 8.
Environmental precautions:	Do not let product enter drains.
Methods and materials for containment and Cleaning up:	Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

7. Handling and Storage:

Precautions for safe handling:	Avoid formation of dust and aerosols. Further processing of solid materials my result in the formation of combustible dusts. The potential for combustible dust formation should be taken

	into consideration before additional processing occurs. Provide appropriate exhaust ventilation at places where dust is formed.
Conditions for safe Storage, including any incompatibilities:	Keep container tightly closed in a dry and well-ventilated place. Recommended storage temperature 2-8 C Storage class (TRGS 510): Non Combustible Solids
Specific end use:	Apart from the uses mentioned in section 1 no other specific uses are stipulated.

8. Exposure Controls / Personal Protection

Components with workplace control parameters:	Contains no substances with occupational exposure limit values.
Exposure Controls:	Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.
Respiratory Protection:	Respiratory protection is not required. Where protection from nuisance levels of dust are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).
Protective Gloves:	Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching gloves' s outer surface) to avoid skin contact with this products. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. Full Contact: Nitrile rubber Minimum layer thickness: 0.11 mm Break through time: 480 min Splash contact Nitrile rubber Minimum layer thickness: 0.11mm Break through time 480 min. If used in solution or mixed with other substances, and under conditions which differ from EN 374 contact the supplier of the CE approved gloves. This recommendation is advisory only and must be evaluated by and industrial hygienist and safety officer familiar with the specific situation of anticipated use by our customers. It should not be construed as offering an approval for any specific use scenario.
Eye Protection:	Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU).
Skin and Body Protection:	Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work- place. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at he the specific work placed.

Control of environmental exposures:	Do not let product enter drains.

9. Physical and Chemical Properties

Physical Form:	Solid
Odor:	No data available.
PH:	No data available.
Melting point/freezing point:	Melting point/ range: 67 -72C (153 -162 F) –lit
Initial boing point and boiling range:	361 C (682 F) - lit
Flash point:	113 C (235 F) – closed cup
Evaporation Rate:	No data available.
Flammability (solid, gas):	No data available.
Upper/Lower flammability or explosive limits:	No data available.
Vapour pressure:	1hPa (1 mmHg) at 173.7 C (344.7 F)
Vapour density.:	No data available.
Relative density :	0.845 g/cm3
Water solubility:	No data available.
Partition co efficient: n-octanol/water:	No data available.
Auto-ignition temperature:	No data available.
Decomposition temperature:	No data available.
Viscosity:	12 mm2/s at 70 C (158 F) -
Explosive properties:	No data available.
Oxidizing properties:	No data available.
Other safety information:	No data available.

10. Stability and Reactivity

Stability:	Stable under recommended storage conditions.
Reactivity:	No data available.
Incompatibility (Materials to Avoid):	Bases, Oxidizing agents, Reducing agents.
Conditions to Avoid:	No data available.
Possibility of hazardous reactions:	No data available.
Hazardous decomposition products:	Other decomposition products: No data available.

11. Toxicological Information

Acute Toxicity:	LD50 Oral –Rat >2,000 mg/kg Inhalation : No data available. LD50 Dermal – Rabbit -> 5,000 mg/kg No data available.
Skin corrosion/irritation:	Skin- Rabbit Results No skin irritation (Patch test 24 HRS)

Serious eye damage/eye irritation:	Eyes-Rabbit Result: No eye irritation.
Respiratory or skin sensitization:	No data available.
Germ cell mutagenicity:	No data available.
Carcinogenicity:	Carcinogenicity Mouse-Implant Tumorigenic: Equivocal tumorigenic agent by RTECS criteria. Kidney, Urete, Bladder: Tumors. IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC. ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH. NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP. OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.
Reproductive toxicity:	No data available.
Specific target organ toxicity single exposure:	No data available.
Specific target organ toxicity- repeated exposure:	No data available.
Aspiration hazard:	No data available.
Additional information:	To the best of our knowledge, the chemical, physical and toxicological properties have not been thoroughly investigated.

12. Ecological Information

Toxicity:	No data available.
Persistence and degradability:	No data available.
Bioaccumulative potential:	No data available.
Mobility in soil:	No data available.
Results of PBT and vPvB assessment:	PBT/vPvB assessment not available as chemical safety assessment not required/not conducted.
Other adverse effects:	No data available

13. Disposal Considerations

Product:	Offer surplus and non-recyclable solution to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material.

14. Transport Information

D.O.T. Shipping Name	Not dangerous goods.
Air - ICAO (international Civil Aviation Organization)	Not dangerous goods.
Sea - IMDG (International Maritime Dangerous Goods)	Not dangerous goods.

15. Regulatory Information

SARA 302 Components: No chemicals in this material are subject to the reporting requirements of SARA Title III Section 302.

SARA 313 Components: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313

Massachusetts Right to know Components:
No components are subject to the Massachusetts Right to Know Act.

Pennsylvania Right to know components:
Stearic Acid CAS No. 57-11-4

New Jersey Right to know Components:
Stearic Acid CAS No. 57-11-4

California Prop 65 Components:
This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

16. Other Information

HMIS Rating

Health Hazard:	1
Chronic Health Hazard:	
Flammability:	1
Physical Hazard	0

NFPA Rating

Health hazard:	0
Fire Hazard:	1
Reactive Hazard:	0

The above information has been compiled from what we believe to be credible sources. To our knowledge the information is accurate and reliable, however, it is not guaranteed. Any recommendations issued by HB Chemical personnel or literature is derived from experience and by no means should be taken as fact or construed as a recommendation to violate of any law, regulation or patent. It is the users responsibility to determine the suitability of any HB supplied material in their application. The individual conditions of each customer are well outside of our control and we cannot be held liable for its functionality and use. Please contact our office should you need specific information beyond what is supplied above. As with all Chemical usage safety precautions beyond the stated are highly recommended.