



**CHEMICAL ASSOCIATES**  
1270 South Cleveland-Massillon Road  
Building B  
Copley, OH 44321-1683

## **MATERIAL SAFETY DATA SHEET**

**EMERGENCY PHONE: 800- 347-2891**  
**MSDS REFERENCE: CA0105**

**CHEMTREC: 800-424-9300**

### **SECTION I - IDENTIFICATION**

**PRODUCT:** CA0105 HYDROGENATED TALLOW  
**SYNONYMS:** HYDROGENATED ANIMAL FAT  
**CHEMICAL:** SATURATED TRIGLYCERIDE  
**CAS NO:** 67701-27-3  
**SARA HAZARD:** NONE NOTED (SECTION 311/312)  
TITLE III SECTION 313 NOT LISTED

### **SECTION II - INGREDIENTS AND HAZARD CLASSIFICATION**

<b>COMPOSITION</b>	<b>%</b>	<b>PEL/TLV</b>	<b>HAZARD</b>
SATURATED TRIGLYCERIDE	99 +	NONE/NONE	NONE NOTED

### **SECTION III - HEALTH INFORMATION**

**INHALATION:** NOT APPLICABLE.  
**INGESTION:** HARMLESS. THE MATERIAL IS EDIBLE.  
**EYE CONTACT:** UNCTIOUS UNLESS HOT.  
**SKIN CONTACT:** HARMLESS UNLESS HOT.

### **SECTION IV - OCCUPATIONAL EXPOSURE LIMITS**

**PEL:** NONE ESTABLISHED  
**TLV:** NONE ESTABLISHED

### **SECTION V - EMERGENCY FIRST AID PROCEDURE**

**INGESTION:** PRODUCT IS USED AS A DIETARY FAT.  
**INHALATION:** NOT APPLICABLE EXCEPT AS A POSSIBLE DUST IRRITANT.

**EYE CONTACT:** IMMEDIATELY FLUSH EYES WITH REGULAR TAP WATER OR PHYSIOLOGICAL SALINE..

**SKIN CONTACT:** WASH AFFECTED AREA WITH WATER AND SOAP IF NEED IS FELT. HOT OIL CAN BURN SKIN. TREAT AS A BURN.

#### SECTION VI - PHYSICAL DATA

**BOILING POINT:** NOT APPLICABLE.  
**MELTING POINT:** 60 DEG C + OR -  
**VAPOR PRESSURE:** NEGLIBLE  
**SPECIFIC GRAVITY:** 0.85  
**SOLUBILITY:** COMPLETE IN OILS OR SOLVENTS FOR FATS  
**APPEARANCE AND COLOR:** WHITE SOLID THAT MELTS TO AN OILY LIQUID WITH A MILD CHARACTERISTIC ODOR.

#### SECTION VII - FIRE AND EXPLOSION HAZARDS

**FLASH POINT (TEST METHOD):** AM OIL CHEMIST SOCIETY Cc 9B-55  
> 600 DEG F  
**FLAMMABLE LIMITS IN AIR, % BY VOL. LOWER:** NOT APPLICABLE  
**FLAMMABLE LIMITS IN AIR, % BY VOL. UPPER:** NOT APPLICABLE  
**NFPA RATING: HEALTH: (0) FIRE: (1) REACTIVITY: (0)**  
**HMIS RATING: HEALTH: (0) FIRE: (1) REACTIVITY: (0)**

**SPECIAL FIRE FIGHTING PROCEDURES AND PRECAUTIONS:**

USE CARBON DIOXIDE, FIRE EXTINGUISHING POWDER OR FOAM. USE THE SAME PROCEDURES AS IN CASE OF FIRE IN MELTED FAT. APPLY AROUND BURNING AREA AND THEN DIRECTLY AT THE FLAME.

**UNUSUAL FIRE AND EXPLOSION HAZARDS:**

NONE

#### SECTION VIII - REACTIVITY

**STABILITY:** STABLE  
**HAZARDOUS POLYMERIZATION:** NONE  
**CONDITIONS AND MATERIALS TO AVOID:** NONE KNOWN. HOT OIL IN EXCESS OF 200 DEG F SHOULD NOT BE ADDED TO WATER.  
**HAZARDOUS DECOMPOSITION PRODUCTS:** NONE

#### SECTION IX - EMPLOYEE PROTECTION

**CONTROL MEASURES:**

**RESPIRATORY PROTECTION:**

NORMAL VENTILATION AT WORK PLACE.

**PROTECTIVE CLOTHING:**

NOT NEEDED UNLESS THERE IS A DANGER OF SPLASHING HOT OIL.

**EYE PROTECTION:**

NOT NEEDED UNLESS THERE IS A DANGER OF SPLASHING HOT OIL, THEN USE GOGGLES. CHEMICAL SAFETY GOGGLES MEETING THE SPECIFICATIONS OF ANSI STANDARD Z87.1 SHOULD BE WORN WHENEVER THERE IS THE POSSIBILITY OF SPLASHING OR OTHER CONTACT WITH THE EYES.

**SECTION X - ENVIRONMENTAL PROTECTION**

**ENVIRONMENTAL PRECAUTIONS:**

NONE NOTED.

**SPILL OR LEAK PRECAUTIONS:**

ABSORB SPILL IN A POROUS MATERIAL, OR WIPE IT UP. WASH THE CONTAMINATED AREA WITH WATER AND DETERGENT AS NEEDED. SLIPPING IS A HAZARD, ALLOW MATERIAL TO HARDEN THEN SHOVEL IT UP.

**WASTE DISPOSAL:**

SMALL QUANTITIES ARE DISPOSED OF LIKE DOMESTIC REFUSE. GREATER QUANTITIES MUST BE DISPOSED OF IN ACCORDANCE WITH LOCAL REGULATIONS.

**SECTION XI - REGULATORY CONTROLS**

**DEPARTMENT OF TRANSPORTATION:**

**DOT CLASSIFICATION:** NOT REGULATED

**DOT PROPER SHIPPING NAME:**

**OTHER DOT INFORMATION:**

**OTHER REGULATORY REQUIREMENTS:**

LISTED IN TSCA INVENTORY

**CERCLA HAZARDOUS MATERIALS:**

NONE NOTED

**SECTION XII - PRECAUTIONS: HANDLING, STORAGE AND USAGE**

CLEAN UP SPILLS TO AVOID SLIPPING. AVOID SPLASHING OF HOT FAT. DO NOT ADD HOT FAT ABOVE 200 DEG F TO WATER. AVOID OVERHEATING ABOVE 400 DEG F WITH AN OPEN FLAME. CAN STORE AT ROOM TEMPERATURE, BUT HOLD AT 165 DEG F TO PUMP.

The information presented herein is believed to be factual as it has been derived from the works and opinions of persons believed to be qualified experts; however, nothing contained in this information is to be taken as a warranty or representation for which Chemical Associates bears responsibility. The user should review any recommendations in the specific context of the intended use to determine whether they are appropriate.

**CHEMICAL ASSOCIATES**

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DATE: 09/16/10  
SUPERSEDES: 07/01/07