

33115-1006

Revision Date: 1/1/2019



MATERIAL SAFETY DATA SHEET

Product Name: **Claruss CSM Optimus 3.0 - Microcrystalline Wax**

Supplier: Claruss Specialty Products, LLC
 140 E. Main Street, Suite 310 Rock Hill, SC 29730
 803-366-2440 Phone
 803-366-2520 Fax

SECTION 1 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

TRADE NAME CSM Optimus 3.0

Synonyms PETROLEUM HYDROCARBON WAXES

**NFPA 704M®
 Rating**

Health: 0 Fire: 1 Reactivity: 0 Special:
 { 0= Insignificant 1= Slight 2= Moderate 3= High 4= Extreme }

SECTION 02 COMPOSITION AND INFORMATION ON INGREDIENTS

**Chemical
 Ingredients**

NON-HAZARDOUS **MICROCRYSTALLINE WAX** - (64742-42-3) – 100% HYDROCARBON WAXES (PETROLEUM), CLAY-TREATED. (SEE SECTION 15 FOR FURTHER INFORMATION)

SECTION 03 HAZARD IDENTIFICATION

Eye Contact THIS PRODUCT IS MINIMALLY IRRITATING TO THE EYES UPON DIRECT CONTACT. BASED ON TESTING OF SIMILAR PRODUCTS AND/OR COMPONENTS.

Skin Contact THIS PRODUCT IS MINIMALLY IRRITATING TO THE SKIN UPON DIRECT CONTACT. BASED ON TESTING OF SIMILAR PRODUCTS AND/OR COMPONENTS.

Inhalation AVOID INHALATION OF FUMES. CAUTION SHOULD BE TAKEN TO PREVENT GENERATION OF FUMES. PARAFFIN WAX FUMES, IF GENERATED ARE CONSIDERED HAZARDOUS ACCORDING TO THE OSHA HAZARD COMMUNICATION STANDARD. THIS PRODUCT HAS A LOW VAPOR PRESSURE AND IS NOT EXPECTED TO PRESENT AN INHALATION HAZARD AT AMBIENT CONDITIONS. CAUTION SHOULD BE TAKEN TO PREVENT AEROSOLIZATION OR MISTING OF THIS PRODUCT. THE THRESHOLD LIMIT VALUE (TLV) FOR THIS PRODUCT AS PARAFFIN WAX FUMES IS 2 MG/M3. EXPOSURE TO VAPORS GENERATED UNDER UNUSUAL CONDITIONS MAY BE MILDLY IRRITATING TO THE NOSE AND THROAT. *SEE HEALTH DATA SECTION BELOW.*

Revision Date: 1/1/2019

Ingestion DO NOT INGEST. THIS PRODUCT HAS LAXATIVE PROPERTIES AND MAY RESULT IN ABDOMINAL CRAMPS AND DIARRHEA.

Health Data PETROLEUM WAXES ARE MIXTURES OF HIGH MOLECULAR WEIGHT (C20-C70), SOLID HYDROCARBONS. THEY ARE COMPRISED MOSTLY OF N-ALKANES, BUT SOME ISO AND CYCLOALKANES ARE ALSO PRESENT. PHYSIOLOGICALLY PETROLEUM WAXES ARE INERT AND ARE CONSIDERED NONTOXIC. WORKING WITH MOLTEN WAX IS REPORTED TO BE UNCOMFORTABLE AND NAUSEATING. USE OF WAX SPRAY HAS BEEN REPORTED TO BE OBJECTIONABLE BECAUSE OF ITS PHYSICAL PROPERTIES AND NOT DUE TO ITS TOXICITY. BASED ON THIS DATA THE ACGIH THRESHOLD LIMIT VALUE (TLV) FOR PETROLEUM WAX FUMES IS RECOMMENDED TO PREVENT IRRITATION OF THE RESPIRATORY TRACT AND OTHER UNPLEASANT EFFECTS. PETROLEUM WAXES STUDIED WERE NOT FOUND TO BE CARCINOGENIC IN MOUSE SKIN PAINTING OR IN RAT LIFETIME FEEDING STUDIES. THIS PRODUCT IS NOT CARCINOGENIC ACCORDING TO THE OSHA HAZARD COMMUNICATION STANDARD.

SECTION 04 FIRST AID INFORMATION

Eye Contact IMMEDIATELY FLUSH EYES WITH LARGE AMOUNTS OF WATER AND CONTINUE FLUSHING UNTIL IRRITATION SUBSIDES. IF MATERIAL IS HOT, TREAT FOR THERMAL BURNS AND TAKE VICTIM TO HOSPITAL IMMEDIATELY.

Skin Contact REMOVE CONTAMINATED CLOTHING. IF MATERIAL IS HOT, SUBMERGE INJURED AREA IN COLD WATER. IF VICTIM IS SEVERELY BURNED, REMOVE TO A HOSPITAL IMMEDIATELY.

Inhalation THIS MATERIAL HAS A LOW VAPOR PRESSURE AND IS NOT EXPECTED TO PRESENT AN INHALATION EXPOSURE AT AMBIENT CONDITIONS. IF FUMES ARE GENERATED WHEN THE MATERIAL IS HEATED OR HANDLED, REMOVE VICTIM FROM EXPOSURE.

Ingestion DO NOT INDUCE VOMITING.

SECTION 05 FIREFIGHTING MEASURES

Flash Point	>350F (>176 C)	Test Method	ASTM D92 (C.O.C.)
Autoignition Temperature	NO DATA	Test Method	NO DATA
<i>FLAMMABLE LIMITS IN AIR % BY VOLUME</i>			
Lower	NO DATA	Upper	NO DATA
Extinguishing Media	USE DRY CHEMICAL, FOAM, OR CARBON DIOXIDE.		
Special Firefighting Procedures	WATER MAY BE INEFFECTIVE BUT CAN BE USED TO COOL CONTAINERS EXPOSED TO HEAT OR FLAME. CAUTION SHOULD BE EXERCISED WHEN USING WATER OR FOAM AS FROTHING MAY OCCUR, ESPECIALLY IF SPRAYED INTO CONTAINERS OF HOT, BURNING LIQUID.		
Unusual Fire and Explosive Conditions	DENSE SMOKE MAY BE GENERATED WHILE BURNING. CARBON MONOXIDE, CARBON DIOXIDE, AND OTHER OXIDES MAY BE GENERATED AS PRODUCTS OF COMBUSTION.		

Revision Date: 1/1/2019

SECTION 06 ACCIDENTAL RELEASE MEASURES

Steps to be taken if material is released or spilled CONSULT HEALTH EFFECT INFORMATION IN SECTION 3, PERSONAL HEALTH PROTECTION INFORMATION IN SECTION 8, FIRE PROTECTION INFORMATION IN SECTION 5, AND REACTIVITY DATA IN SECTION 10. NOTIFY APPROPRIATE AUTHORITIES OF SPILL. CONTAIN SPILL IMMEDIATELY. DO NOT ALLOW SPILL TO ENTER SEWERS OR WATERCOURSES. REMOVE ALL SOURCES OF IGNITION. ABSORB WITH APPROPRIATE INERT MATERIAL SUCH AS SAND, CLAY, ETC. LARGE SPILLS MAY BE PICKED UP USING VACUUM PUMPS, SHOVELS, BUCKETS, OR OTHER MEANS AND PLACED IN DRUMS OR OTHER SUITABLE CONTAINERS.

SECTION 07 HANDLING AND STORAGE

Handling & Storage Requirements DO NOT TRANSFER TO UNMARKED CONTAINERS. STORE IN CLOSED CONTAINERS AWAY FROM HEAT, SPARKS, OPEN FLAME, OR OXIDIZING MATERIALS. THIS PRODUCT IS NOT CLASSIFIED AS HAZARDOUS UNDER DOT REGULATIONS. FIRE EXTINGUISHERS SHOULD BE KEPT READILY AVAILABLE. SEE NFPA 30 AND OSHA 1910.106--FLAMMABLE AND COMBUSTIBLE LIQUIDS.

SECTION 08 EXPOSURE CONTROLS AND PERSONAL PROTECTION

Eye Protection EYE PROTECTION IS NOT REQUIRED UNDER CONDITIONS OF NORMAL USE. IF MATERIAL IS HANDLED SUCH THAT IT COULD BE SPLASHED INTO EYES, WEAR PLASTIC FACE SHIELD OR SPLASH-PROOF SAFETY GOGGLES.

Skin Protection SKIN PROTECTION IS NOT REQUIRED UNDER CONDITIONS OF NORMAL USE. IF HANDLING HOT MATERIAL, USE INSULATED PROTECTIVE CLOTHING (BOOTS, GLOVES, APRONS, ETC.).

Respiratory Protection RESPIRATORY PROTECTION IS NOT REQUIRED UNDER CONDITIONS OF NORMAL USE. IF FUMES ARE GENERATED WHEN THE MATERIAL IS HEATED OR HANDLED, USE AN ORGANIC VAPOR RESPIRATOR WITH A DUST AND MIST FILTER. ALL RESPIRATORS MUST BE NIOSH CERTIFIED. DO NOT USE COMPRESSED OXYGEN IN HYDROCARBON ATMOSPHERES.

Ventilation IF VAPOR OR MIST IS GENERATED WHEN THE MATERIAL IS HEATED OR HANDLED, ADEQUATE VENTILATION IN ACCORDANCE WITH GOOD ENGINEERING PRACTICE MUST BE PROVIDED TO MAINTAIN CONCENTRATIONS BELOW THE SPECIFIED EXPOSURE OR FLAMMABLE LIMITS.

Revision Date: 1/1/2019

Other CONSUMPTION OF FOOD AND BEVERAGE SHOULD BE AVOIDED IN WORK AREA WHERE HYDROCARBONS ARE PRESENT. ALWAYS WASH HANDS AND FACE WITH SOAP AND WATER BEFORE EATING, DRINKING, OR SMOKING.

CAS Number	Hazardous in Blend	Percentage		Exposure Limit	Unit
		Min	Max		
64742-42-3	No	0	100	OSHA PEL ACGIH TLV	NO LIMIT NO LIMIT

SECTION 09 PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point	>300 °C	Percentage Volatile	< 1.0%
Melting Point	* See Product Bulletin	Vapor Density (Air=1)	> 1
Appearance	White to Brown Solid	Evaporation Rate (EE=1)	No data
Odor	None	Specific Gravity	Approx 0.78 8/cc @ 100°C
Vapor Pressure	Nil	Molecular Weight	Approx 450-700
Solubility	Negligible		

SECTION 10 STABILITY AND REACTIVITY

Stability (thermal, light, etc)	Stable	Conditions to Avoid	None
Hazardous Polymerization	Will not occur	Incompatibility Materials to Avoid	May react with strong oxidizing agents
Hazardous Decomposition Products	None		

Revision Date: 1/1/2019

SECTION 11 TOXICOLOGICAL INFORMATION

NO DATA AVAILABLE

SECTION 12 ECOLOGICAL INFORMATION

NO DATA AVAILABLE

SECTION 13 DISPOSAL CONSIDERATIONS**Waste Disposal Method**

ALL DISPOSALS MUST COMPLY WITH FEDERAL, STATE, AND LOCAL REGULATIONS. THE MATERIAL, IF SPILLED OR DISCARDED, MAY BE A REGULATED WASTE. REFER TO STATE AND LOCAL REGULATIONS. CAUTION! IF REGULATED SOLVENTS ARE USED TO CLEAN UP SPILLED MATERIAL, THE RESULTING WASTE MIXTURE MAY BE REGULATED. DEPARTMENT OF TRANSPORTATION (DOT) REGULATIONS MAY APPLY FOR TRANSPORTING THIS MATERIAL WHEN SPILLED. WASTE MATERIAL MAY BE LANDFILLED OR INCINERATED AT AN APPROVED FACILITY. MATERIALS SHOULD BE RECYCLED IF POSSIBLE.

SECTION 14 TRANSPORTATION INFORMATION

DOT: not regulated

SECTION 15 REGULATORY INFORMATION**Additional Information**

THIS PRODUCT IS NOT KNOWN TO CONTAIN ANY SARA TITLE III, SECTION 313 REPORTABLE CHEMICALS AT OR GREATER THAN 1.0% (0.1% FOR CARCINOGENS). THIS SUBSTANCE IS LISTED ON THE U.S. TOXIC SUBSTANCES CONTROL ACT (TSCA) INVENTORY. THESE PRODUCTS HAVE BEEN TREATED FOR REMOVAL OF POLYNUCLEAR AROMATIC COMPOUNDS (PNA'S), AND AS SUCH, POTENTIALLY PASS FDA REGULATIONS FOR FOOD USE. PLEASE CONSULT THE PRODUCT BULLETIN OR YOUR SALES REPRESENTATIVE FOR DETAILS. PLEASE REFER TO CAS NUMBERS FOR LISTING ON OTHER CHEMICAL INVENTORIES. PRODUCTS SUCH AS THIS HAVE BEEN TESTED TO SHOW < 5PPM HEAVY METALS. THESE PRODUCTS ARE NOT SHOWN TO BE CARCINOGENIC OR MUTAGENIC.

SECTION 16 OTHER INFORMATION**Supersedes Date**

Original Version

Disclaimer of Warranty

THE INFORMATION CONTAINED HEREIN IS BASED UPON DATA AVAILABLE TO US, AND REFLECTS OUR BEST PROFESSIONAL JUDGEMENT. HOWEVER, NO WARRANTY OF MERCHANTABILITY, FITNESS FOR ANY USE, OR ANY OTHER WARRANTY IS EXPRESSED OR IMPLIED REGARDING THE ACCURACY OF SUCH DATA, THE RESULTS TO BE OBTAINED FROM THE USE THEREOF, OR THAT ANY SUCH USE DOES NOT INFRINGE ANY PATENT. SINCE THE INFORMATION CONTAINED HEREIN MAY BE APPLIED UNDER CONDITIONS OF USE BEYOND OUR CONTROL AND WITH WHICH WE MAY BE UNFAMILIAR, WE DO NOT ASSUME ANY RESPONSIBILITY FOR THE RESULTS OF SUCH APPLICATION. THIS INFORMATION IS FURNISHED UPON THE CONDITION THAT THE PERSON RECEIVING IT SHALL MAKE HIS OWN DETERMINATION OF THE SUITABILITY OF THE MATERIAL FOR HIS PARTICULAR PURPOSE.