MATERIAL SAFETY DATA SHEET

CERAMEL QUICK DRY ALL PURPOSE ENAMEL OSHA / JOHN DEERE YELLOW

HMIS Health- 1

HMIS Fire- 2

HMIS Reactivity- 0

1 - CHEMICAL PRODUCT AND COMPANY INFORMATION

PRODUCT NAME:	Ceramel Quick Dry All Purpose Enamel OSHA / John Deere Yellow
PRODUCT CODE:	021514
MANUFACTURER:	Sampson Coatings
ADDRESS:	1900 Ellen Road, Richmond, VA 23230
INQUIRY PHONE NUMBER:	804-359-5070 (all non-emergency questions)
EMERGENCY PHONE NUMBER:	800-424-9300 (Chemtrec)
DATE PREPARED:	7/28/2008
VERSION:	3.0

2 - COMPOSITION / HAZARDOUS INGREDIENTS

INGREDIENT	CAS NUMBER	WT %
Xylenes	1330-20-7	< 0.5
Mineral Spirits (66/3)	8052-41-3	40 - 45
Titanium Dioxide	13463-67-7	0 - 10
pigment	Proprietary	0 - 20
polymer	Proprietary	20 - 40

3 - HAZARDS

COMBUSTIBLE

EMERGENCY OVERVIEW INSTRUCTIONS

Combustion fumes may be harmful.
May cause skin irritation on prolonged contact.
Vapors irritating to eyes and respiratory tract.

EYE CONTACT:	May cause irritation.
SKIN CONTACT:	May cause slight skin irritation. May be absorbed through the skin. Prolonged or repeated contact may cause an allergic skin reaction.
INHALATION:	Prolonged or excessive inhalation may cause respiratory tract irritation.
INGESTION:	May be harmful if swallowed. May cause vomiting.
CHRONIC HEALTH EFFECTS:	Prolonged overexposure to solvent vapors may cause adverse effects to the liver, urinary, cardiovascular and reproductive systems. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.
SIGNS / SYMPTOMS:	Overexposure may cause headaches and dizziness.
TARGET ORGANS:	No information found.
PRE-EXISTING CONDITIONS:	No information found.

4 - FIRST AID

EYE CONTACT:	Flush eyes with large amounts of water for 15 minutes. Get medical attention if symptoms of overexposure or irritation persists.

SKIN CONTACT:	Run a gentle stream of water over the affected area for 15 minutes. A mild soap may be used if available.
INHALATION:	Remove from area to fresh air. If symptomatic, contact a poison control center, emergency room or physician for treatment information.
INGESTION:	Gently wipe or rinse the inside of the mouth with water. Never give anything by mouth to an unconscious person. Contact a poison control center, emergency room or physician right away as further treatment may be necessary.

5 - FIRE FIGHTING MEASURES

FLASH POINT:	105 °F
EXTINGUISHING MEDIA:	Dry chemical, Carbon dioxide, Foam, Water spray for large fires
PROTECTIVE EQUIPMENT:	Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and clothing.
SPECIAL FIREFIGHTING PROCEDURES:	None.
UNUSUAL FIRE/EXPLOSION HAZARDS:	None.

NFPA Health- 2

NFPA Fire- 2

NFPA Reactivity- 0

6 - ACCIDENTAL RELEASE MEASURES

PERSONNEL PRECAUTIONS:	Use personal protective equipment.
ENVIRONMENTAL PRECAUTIONS:	Avoid runoff into ditches, storm sewers and other waterways.
SPILL CLEANUP MEASURES:	Absorb spill with inert material and place in a chemical waste container. Provide ventilation. Clean up spills immediately and observe precautions related to protective equipment.

7 - HANDLING AND STORAGE

HANDLING:	Use with adequate ventilation. Avoid breathing vapor and contact with eyes, skin and clothing.
STORAGE:	Store in a cool dry well ventilated area. Keep away from heat and flame.
HYGIENE:	Wash thoroughly after handling. Avoid contact with eyes and skin. Avoid inhaling vapor or mist.

8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS:	The level of protection and types of controls necessary will vary depending upon potential exposure conditions. Select controls based on a risk assessment of local circumstances. Appropriate measures include: Adequate explosion-proof ventilation to control airborne concentrations below the exposure guidelines/limits. Eye washes and showers for emergency use.
EYE / FACE PROTECTION:	Wear splash goggles on face to protect eyes.
SKIN PROTECTION:	Wear gloves and protective clothing to minimize skin contact.
RESPIRATORY PROTECTION:	If engineering controls do not maintain airborne concentrations to a level which is adequate to protect worker health, select respiratory protection equipment suitable for the specific conditions of use and meeting relevant legislation. Check with respiratory protective equipment suppliers.
OTHER PROTECTIONS:	Facilities that store or utilize this material should be equipped with an eyewash facility and a safety shower.

PEL (OSHA) / TLV (ACGIH):

Xylenes (1330-20-7)
PEL (OSHA): 100 ppm (TWA)
TLV (ACGIH): 100 ppm (TWA), 150 ppm (STEL)

Mineral Spirits (66/3) (8052-41-3)
PEL (OSHA): 500 ppm (TWA)
TLV (ACGIH): 100 ppm (TWA)

Titanium Dioxide (13463-67-7)
PEL (OSHA): 15 mg/m3 (TWA)
TLV (ACGIH): 10 mg/m3 (TWA)

9 - PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL APPEARANCE:	Opaque Liquid
COLOR:	Yellow
FLASH POINT:	105 ℉
BOILING RANGE:	318 - 355 ℉
DENSITY:	8.3 lbs/gal
MATERIAL VOC (as supplied):	3.7 lbs/gal ; 444 g/l
COATING VOC (EPA Method 24):	3.7 lbs/gal ; 444 g/l

10 - STABILITY AND REACTIVITY

CHEMICAL STABILITY:	The risk for chemical reactivity is low to none.
HAZARDOUS POLYMERIZATION:	There is a potential for hazardous polymerization.
MATERIALS TO AVOID:	None.
DECOMPOSITION PRODUCTS (FIRE):	carbon monoxide; carbon dioxide; formaldehyde; oxides of silicon; oxides of nitrogen; organic chlorides; hydrogen chloride;

11 - TOXICOLOGICAL INFORMATION

LD_{50}, LC_{50}:

Xylenes (1330-20-7)
LD50 (oral rat): 4300 mg/kg
LC50 (inhalation rat): 5000 ppm (4 hr)

Mineral Spirits (66/3) (8052-41-3)
LD50 (oral rat): > 3000 mg/kg
LC50 (inhalation rat): > 5.5 mg/l (8 hr)

Titanium Dioxide (13463-67-7)
LD50 (oral rat): Not Established
LC50 (inhalation rat): Not Established

12 - ECOLOGICAL INFORMATION

No data available.

13 - DISPOSAL CONSIDERATIONS

Waste from this product is hazardous as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261. Dispose of waste in accordance with Federal, State and Local regulations regarding pollution.

14 - TRANSPORT INFORMATION

DOT UN Number:	This product is not regulated.
DOT Hazard Class:	This material is not flammable.
DOT Description/Name:	This product is not regulated.

15 - REGULATORY INFORMATION

TSCA CERTIFICATION:	The chemicals in this material are on the TSCA Section 8 Inventory.
SARA 313:	This product contains a toxic chemical or chemicals subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR part 372: Xylenes (1330-20-7);
California Proposition 65:	This product does not contain any chemicals listed by California as known to cause cancer, birth defects or other reproductive harm in compliance with Proposition 65, the Safe Drinking Water and Toxic Enforcement Act of 1986.

16 - OTHER INFORMATION

HMIS Key

4 = Severe Hazard
3 = Serious Hazard
2 = Moderate Hazard

1 = Slight Hazard
0 = Minimal Hazard

Acronyms and Abbreviations

ACGIH - American Conference of Governmental Industrial Hygiene (http://www.acgih.org)
OSHA - U.S. Occupational Health and Safety Administration (http://www.osha.gov)
IARC - International Agency for Research on Cancer (http://www.iarc.fr)
NTP - National Toxicology Program (http://ntp.niehs.nih.gov)
NIOSH - National Institute for Occupational Safety and Health (http://www.cdc.gov/niosh)

PEL - Permissable Exposure Limit
TLV - Threshold Limit Value
TWA - Time Weighted Average (over 8 hour period)
STEL - Short Term Exposure Limit

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