Safety Data Sheet

Revision Date: 12-18-2015
Product Code: 4350-002

1. IDENTIFICATION

Product Name	**ACRYLITHANE HS2 NDUSA BLUE**
Product Code	4350-002
Document ID	G4350-002
Revision Number	1
Prior Version Date	None
Intended Use	Industrial Maintenance Coating
Restrictions On Use	For Industrial Use Only
Chemical Family	Acrylic Urethane Enamel
Chemical Manufacturer / Importer	JONES-BLAIR® Company, LLC 2728 Empire Central Dallas, TX 75235 1-214-353-1600
Emergency Telephone Number:	ChemTrec Center 1-800-424-9300 **International:** 703-527-3887

2. HAZARD(S) IDENTIFICATION

Classification of the chemical in accordance with paragraph (d) of §1910.1200;

Hazard Pictograms

GHS Classification

Skin Sensitisation Category 1
Skin Corrosion/Irritation Category 2
Serious Eye Damage/Eye Irritation Category 2
Carcinogenicity Category 2
Specific Target Organ Systemic Toxicity (STOT) - Single Exposure Category 2
Flammable Liquid Category 3

Signal Word

Warning

Hazard Statements

Flammable liquid and vapour. Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation. Suspected of causing cancer. May cause damage to organs.

Precautionary Statements

Prevention

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep away from heat, sparks, open flames and hot surfaces. No smoking. Keep container tightly closed. Ground/bond container and receiving equipment. Use explosion-proof electrical, ventilating, and lighting equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Do not breathe dust, fume, mist, vapours or spray. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Contaminated work clothing should not be allowed out of the workplace. Wear protective gloves, protective clothing, eye protection and face protection. Use personal protective equipment as required.

Response	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IF exposed or concerned: Get medical attention. IF exposed or if you feel unwell: Call a POISON CENTER or physician. If skin irritation or rash occurs: Get medical attention. If eye irritation persists: Get medical attention. Take off contaminated clothing and wash before reuse. In case of fire: Use alcohol resistant foam, carbon dioxide, dry chemical, or water spray for extinction.
Storage	Keep container tightly closed. Store in a well-ventilated place. Keep cool. Store locked up.
Disposal	Dispose of contents and container in accordance with all local, regional, national and international regulations.
Hazards Not Otherwise Classified (HNOC)	Not applicable

Additional Information

Not applicable

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Component	CAS #	%
Ethyl 3-ethoxypropionate	763-69-9	7 - 13
Titanium dioxide	13463-67-7	5 - 10
Methyl Amyl Ketone	110-43-0	3 - 7
n-Butyl acetate	123-86-4	3 - 7
Ethylene glycol monobutyl ether acetate	112-07-2	1 - 5
Light aromatic solvent naphtha	64742-95-6	1 - 5
Pigment Blue 15	147-14-8	0.5 - 1.5
Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate	41556-26-7	0.1 - 1
methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	82919-37-7	0.1 - 1

The specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.

4. FIRST-AID MEASURES

Inhalation	Remove individual to fresh air after an airborne exposure if any symptoms develop as a precautionary measure.
Eye Contact	In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention immediately.
Skin Contact	Wash with soap and water. Remove contaminated clothing and launder. Get medical attention if irritation develops or persists.
Ingestion	If swallowed, do not induce vomiting. Get medical attention immediately. Induce vomiting as a last measure. Induced vomiting may lead to aspiration of the material into the lungs potentially causing chemical pneumonitis that may be fatal.

Most Important Acute Symptoms and Effects	Not Available
Most Important Delayed Symptoms and Effects	Not Available

Special treatment needed:	No additional first aid information available

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media	Use alcohol resistant foam, carbon dioxide, or dry chemical extinguishing agents. Water spray or fog may also be effective for extinguishing if swept across the base of the fire. Water can also be used to absorb heat and minimize fire damage.
Unsuitable Extinguishing Media	No data available
Fire and/or Explosion Hazards	Vapors may be ignited by sparks, flames or other sources of ignition if material is above the flash point giving rise to a fire (Class B). Vapors are heavier than air and may travel to a source of ignition and flash back. Container may explode in heat of fire.
Hazardous Combustion Products	Carbon dioxide, Carbon monoxide, Toxic fumes, Toxic gases
Special Protective Equipment and Precautions for Fire-Fighters	Do not enter fire area without proper protection including self-contained breathing apparatus and full protective equipment. Fight fire from a safe distance and a protected location due to the potential of hazardous vapors and decomposition products. Do not enter fire area without proper protection including self-contained breathing apparatus and full protective equipment. Fight fire from a safe distance and a protected location due to the potential of hazardous vapors and decomposition products. Flammable component(s) of this material may be lighter than water and burn while floating on the surface.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures	Exposure to the spilled material may be irritating or harmful. Follow personal protective equipment recommendations found in Section VIII of this SDS. Additional precautions may be necessary based on special circumstances created by the spill including the material spilled, the quantity of the spill, the area in which the spill occurred. Also consider the expertise of employees in the area responding to the spill.
Methods and Material for Containment and Cleaning Up	Prevent the spread of any spill to minimize harm to human health and the environment if safe to do so. Dike with suitable absorbent material. Gather and store in a sealed container pending disposal. Shut off ignition sources; including electrical equipment and flames. Do not allow smoking in the area.

7. HANDLING AND STORAGE

Precautions for Safe Handling	Harmful or irritating material. Avoid contacting and avoid breathing the material. Use only in a well ventilated area. As with all chemicals, good industrial hygiene practices should be followed when handling this material. Wash thoroughly after handling. Do not get in eyes, on skin and clothing. Ground and bond containers when transferring material. Use spark-proof tools and explosion-proof equipment. "Empty" containers retain product residue (liquid and/or vapor) and can be dangerous. Remove contaminated clothing and wash before reuse.
Conditions for Safe Storage	Store in a cool dry place. Keep container(s) closed. Keep away from sources of ignition.
Materials to Avoid/Chemical Incompatibility	Oxidizing agents, Caustics (bases, alkalis), Acids

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limits

Chemical Component	OSHA PEL	ACGIH TLV-TWA	ACGIH STEL
Titanium dioxide	15 mg/m³ TWA (total dust)	10 mg/m³ TWA	
Methyl Amyl Ketone	100ppm; 465mg/m³ (TWA)	50ppm; 233mg/m³ TWA	
n-Butyl acetate	150 ppm TWA; 710 mg/m³ TWA	150 ppm TWA; 713 mg/m3 TWA	200 ppm STEL; 950 mg/m³ STEL
Ethylene glycol monobutyl ether acetate		20ppm TWA	
Ferric oxide (Nuisance Dust)	10 mg/m3 TWA	as Fe: 5 mg/m3 TWA (welding fumes, dust, total particulate (N.O.C.))	

Appropriate Engineering Controls	Use local exhaust ventilation or other engineering controls to minimize exposure. Engineering controls must be designed to meet the OSHA chemical specific standard in 29 CFR 1910. Explosion proof exhaust ventilation should be used.
Respiratory Protection	General or local exhaust ventilation is the preferred means of protection. In cases where ventilation is inadequate, respiratory protection may be required to avoid overexposure. Follow respirator manufacturer's directions for respirator use.
Eye Protection	Wear safety glasses with side shields when handling this product. Wear additional eye protection such as chemical splash goggles and/or face shield when the possibility exists for eye contact with splashing or spraying liquid, or airborne material. Have an eye wash station available.
Skin Protection	Where use can result in skin contact, practice good personal hygiene. Wash hands and other exposed areas with mild soap and water before eating, drinking, and when leaving work. Clothing suitable to prevent skin contact.
General Hygiene Conditions	As with all chemicals, good industrial hygiene practices should be followed when handling this material. Wash thoroughly after handling. Do not get in eyes, on skin and clothing. Ground and bond containers when transferring material. Use spark-proof tools and explosion-proof equipment. "Empty" containers retain product residue (liquid and/or vapor) and can be dangerous. Remove contaminated clothing and wash before reuse.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	
Physical State	Liquid
Color	Blue
Odor	Ester-Like
Odor Threshold	No data available
pH	No data available
Melting Point/Freezing Point (℉/℃)	No data available / No data available
Initial Boiling Point and Boiling Range	
Low (℉)	244.0
High (℉)	337.5
Flash Point (℉/℃)	102 / 39
Evaporation Rate	0.40 (n-Butyl Acetate = 1.0)
Flammability (solid, gas)	No data available
Upper Flammable/Explosive Limit	7.9 %
Lower Flammable/Explosive Limit	1.1 %
Vapor Pressure	8.00 mbar
Vapor Density	4.00 4.00 (air = 1)
Relative Density	1.283
Solubility in Water	Low; 10-39%
Partition coefficient: n-octanol/water	No data available
Auto-ignition Temperature	No data available

Safety Data Sheet

Decomposition Temperature:	No data available
Viscosity	18 - 25 Z3
Volatiles, % by volume	46.39
Volatiles, % by weight	32.38
Volatile Organic Chemicals (g/L)	
(Regulatory, Calculated)	409.01
(Actual, Calculated)	405.05
Density	10.51 - 10.91 lbs./Gal

10. STABILITY AND REACTIVITY

Chemical stability	Stable under normal conditions.
Possibility of Hazardous Reactions	No data available
Conditions to Avoid	Temperatures above flash point in combination with sparks, open flames, or other sources of ignition. Contamination.
Incompatible Materials	Oxidizing agents, Caustics (bases, alkalis), Acids
Hazardous Decomposition Products	Carbon dioxide, Carbon monoxide, Toxic fumes, Toxic gases

11. TOXICOLOGICAL INFORMATION

Routes of Exposure
Inhalation
Ingestion
Skin contact
Eye contact

Immediate (Acute) Health Effects by Route of Exposure

Inhalation Irritation	Inhalation of dusts produced during cutting, grinding or sanding of this product may cause irritation of the respiratory tract.
Inhalation Toxicity	Vapor harmful. May affect the brain or nervous system causing dizziness, headache or nausea.
Skin Contact	Can cause moderate skin irritation.
Skin Absorption	May be harmful if absorbed through skin.
Eye Contact	Causes eye irritation.
Ingestion Toxicity	Harmful if swallowed. Aspiration of material into the lungs can cause chemical pneumonitis which can be fatal.

Long-Term (Chronic) Health Effects

Carcinogenicity	Contains Titanium Dioxide which is listed by IARC as possibly carcinogenic to humans (Group 2B). This listing is based on inadequate evidence with respect to humans and sufficient evidence in experimental animals.
Inhalation	NOTICE: Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal.

Product Toxicology Data

Oral Acute Toxicity Estimate (ATE)	4,893.61 mg/kg
Inhalation Dust/Mist Acute Toxicity Estimate (ATE)	46.59 mg/L
Inhalation Vapor Acute Toxicity Estimate (ATE)	40.24 mg/L
Dermal Acute Toxicity Estimate (ATE)	34,166.85 mg/kg

Component Toxicology Data

Chemical Component	Oral LD50	Dermal LD50	Inhalation LC50
Ethyl 3-ethoxypropionate	Oral LD50 Male Rat > 5000 mg/kg Oral LD50 Female Rat ~	Dermal LD50 Rabbit ~ 4080 - 4680 mg/kg	Inhalation LC50 (6h) Male Rat > 998.00 mg/L

	4309 mg/kg		
Titanium dioxide	Oral LD50 Rat > 25,000 mg/kg	Dermal LD50 Rabbit > 10,000 mg/kg	Inhalation LC50 (4h) Rat > 6.82 mg/L
Methyl Amyl Ketone	Oral LD50 Rat 1600 mg/kg	Dermal LD50 Rabbit 10,206 mg/kg	Inhalation LC50 (4h) Rat > 16.70 mg/L
n-Butyl acetate	Oral LD50 Rat 10,760 mg/kg	Dermal LD50 Rat 12,789 mg/kg	Inhalation LC50 (4h) Rat > 21.00 mg/L
Ethylene glycol monobutyl ether acetate	Oral LD50 Rat 1880 mg/kg	Dermal LD50 Rabbit 1500 mg/kg	Inhalation LC50 (6h) Rat > 4.59 mg/L
Ferric oxide	Oral LD50 Rat > 5000 mg/kg	Dermal LD50 Rabbit > 5000 mg/kg	Inhalation LC50 (4h) Rat > 20.00 mg/L
Light aromatic solvent naphtha	Oral LD50 Rat 8400 mg/kg	Dermal LD50 Rat > 2000 mg/kg	Inhalation LC50 (4h) Rat 5.60 mg/L

Carcinogen Information

Chemical Name	IARC Carcinogen	OSHA Carcinogen	NTP Carcinogen
Titanium dioxide	2B		

12. ECOLOGICAL INFORMATION

Ecotoxicity (aquatic and terrestrial, where available) No data available

Mobility in soil No data available

13. DISPOSAL CONSIDERATIONS

Safe Handling of Waste Refer to other sections of this SDS to determine the toxicity and physical characteristics of the material to determine the proper waste identification and disposal in compliance with applicable regulations.

14. TRANSPORT INFORMATION

This section provides basic shipping classification information and does not contain all regulatory transportation details. Refer to all applicable regulations for domestic, international, air, vessel and ground transportation requirements and restrictions.

DOT Basic Description: Paint
Hazard Class: 3
UN Number: UN1263
Packing Group: III
Other: Not regulated for non-bulk domestic ground shipments for packaging of 450 liters (119 gallons) or less (DOT 49CFR 173.150(f)).

Marine Pollutant: No

15. REGULATORY INFORMATION

TSCA Status All components of this product are either listed on the TSCA Inventory; or, are not subject to the inventory notification requirements.

Regulated Components

SARA EHS Chemicals	CAS #	%
Not applicable		

CERCLA

n-Butyl Acetate	123-86-4	3 - 7

SARA 313

Ethylene glycol monobutyl ether acetate	112-07-2	1 - 5

SARA 311/312

Health (Acute):	Y
Health (chronic):	Y
Fire (Flammable):	Y
Pressure:	N
Reactivity:	N

U. S. State Regulations:

California Prop 65 Chemicals

Cancer	**CAS #**	**%**
Titanium dioxide	13463-67-7	5 - 10
Ethyl Benzene	100-41-4	0.01 - 0.1
Cumene	98-82-8	0.01 - 0.1
Benzene	71-43-2	0.001- 0.01
Reproductive		
Toluene	108-88-3	0.001- 0.01
Benzene	71-43-2	0.001- 0.01
Methyl Alcohol	67-56-1	0.001- 0.01

Canadian Regulations:

CEPA DSL:	The components of this product ARE listed on the Canadian Domestic Substances List.
WHMIS Hazard Class:	B3 D2A

16. OTHER INFORMATION

Revision Date	12-18-2015
Disclaimer	This SDS has been prepared in accordance with the OSHA Hazard Communication Standard (29 CFR 1910.1200) and Canada's Controlled Product Regulations (CPR). To the best of our knowledge the information contained herein is accurate. Determination of safe handling, application and use of this material is the responsibility of the end user. This information is furnished without warranty, expressed or implied.