

SAFETY DATA SHEET

Section 1 – Product And Company Identification

PRODUCT

PRODUCT NAME: 3132U UNI-TINT - WALNUT
PRODUCT DESCRIPTION: Preparation/Mixture
PRODUCT USE: Tint pack for solvent based acrylic sealers

MANUFACTURER INFORMATION

INNOVATIVE MANUFACTURING INC
 861 DERWENT WAY
 DELTA, BC, CANADA, V3M 5R4
 (604) 522-2811

EMERGENCY INFORMATION

INNOVATIVE MANUFACTURING CONTACT: 1-800-667-8246
24-HOUR EMERGENCY AND SDS HELP: CANUTEC: 613-966-6666

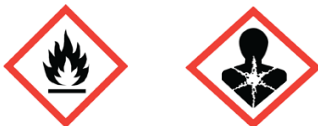
Section 2 – Hazards Identification

GHS Hazard Classification

Flammable Liquid	Category 3
Reproductive toxicity (the unborn child)	Category 1B
Specific target organ toxicity (repeated exposure)	Category 1

Label elements

Hazard pictogram(s)



Signal word

Danger

Hazard Statement:

H226 Flammable liquid and vapour.
 H360 May damage fertility or the unborn child .
 H372 Causes damage to organs through prolonged or repeated exposure.

Precautionary Statements:

Prevention

P201 Obtain special instructions before use.
 P202 Do not handle until all safety precautions have been read and understood.
 P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.
 P233 Keep container tightly closed.
 P240 Ground/bond container and receiving equipment.
 P241 Use explosion-proof electrical/ventilating/lighting/equipment.
 P242 Use only non-sparking tools.
 P243 Take precautionary measures against static discharge.
 P260 Do not breathe dust/fume/gas/mist/vapours/spray.
 P264 Wash hands thoroughly after handling.
 P270 Do no eat, drink or smoke when using this product.

Response

P280 Wear protective gloves/protective clothing/eye protection/face protection.
 P303 + P361 + P353 – IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
 P308 + P313 IF exposed or concerned: Get medical advice/attention.
 P314 Get medical advice/attention if you feel unwell.
 P370+P378 In case of fire: Use dry chemical powder, water fog, CO2, foam or sand/earth for extinction.

Storage

P403 + P235 Store in a well-ventilated place. Keep cool.
 P405 Store locked up.

Disposal

P501 Dispose of contents/container: Follow the waste disposal requirements of your country, state, or local authorities.

Supplemental label elements: If product is in liquid or paste form, physical or health hazards listed related to dust are not considered significant. However, product may contain substances that could be potential hazards if caused to become airborne due to grinding, sanding or other abrasive processes.

Hazards not otherwise classified: None know.

Section 3 – Composition/Information on Ingredients

COMPONENTS	CAS No.	% BY WEIGHT
Titanium dioxide	13463-67-7	20-30
2-methoxy-1-methylethyl acetate	108-65-6	16-29
Red iron oxide	1309-37-1	8-20
Solvent naphtha(petroleum), medium aliph.; Straight run kerosine	64742-88-7	5-10
Carbon black, amorphous	1333-86-4	4-8
Yellow iron oxide	51274-00-1	3-6
Synthetic Amorphous Silica, Precipitated	112926-00-8	2.5-10
Aluminum hydroxide	21645-51-2	2.5-10

*Designates that a specific chemical identity and/or percentage of composition has been withheld as a trade secret.

Section 4 – First Aid Measures

Description of First Aid Measures

Inhalation	Move to fresh air. Call a physician if symptoms develop or persist.
Skin Contact	Take off immediately all contaminated clothing. Rinse skin with water/shower. Get medical attention if irritation develops and persists.
Eye Contact	Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Get medical attention if irritation develops and persists.
Ingestion	Rinse mouth. Get medical attention if symptoms occur.

Most important symptoms and effects, both acute and delayed

Direct contact with eyes may cause temporary irritation. Prolonged exposure may cause chronic effects.

Indication of any immediate medical attention and special treatment needed, if necessary

Provide general supportive measures and treat symptomatically. Thermal burns: Flush with water immediately. While flushing, remove clothes which do not adhere to affected area. Call an ambulance. Continue flushing during transport to hospital. Keep victim under observation. Symptoms may be delayed.

General Information

Take off all contaminated clothing immediately. IF exposed or concerned: Get medical advice/attention. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Wash contaminated clothing before reuse.

Section 5 – Fire Fighting Measures

Extinguishing Media

Suitable extinguishing media	Alcohol resistant foam. Water fog. Dry chemical powder. Carbon dioxide (CO2).
Unsuitable extinguishing media	Do not use water jet as an extinguisher, as this will spread the fire.

Special hazards arising from the substance or mixture

Vapors may form explosive mixtures with air. Vapors may travel considerable distance to a source

Special protective equipment and precautions for fire-fighters

Protective equipment for fire-fighters	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
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Special fire-fighting procedures. In case of fire and/or explosion do not breathe fumes. Move containers from fire area if you can do

Specific methods Use standard firefighting procedures and consider the hazards of other involved materials.

General fire hazards Flammable liquid and vapor.

Section 6 – Accidental Release Measures

Personal precautions, protective equipment, and emergency procedures

Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Keep out of low areas. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Wear appropriate protective equipment and clothing during clean-up. Do not breathe mist or vapor.

Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Local authorities should be advised if

Methods and materials for containment and cleaning up

Small spill Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Take precautionary measures against static discharge. Use only non-sparking tools. Keep combustibles
Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Large spill Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Use water spray to reduce vapors or divert vapor cloud drift. Prevent entry into waterways, sewer, basements or confined areas. Following product recovery, flush area with water.

Environmental precautions Never return spills to original containers for re-use. For waste disposal, see section 13 of the

Avoid discharge into drains, water courses or onto the ground.

Section 7 – Handling and Storage

Precautions for safe handling

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Vapors may form explosive mixtures with air. Do not handle, store or open near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Use non-sparking tools and explosion-proof equipment. Do not breathe mist or vapor. Avoid contact during pregnancy/while nursing. Avoid prolonged exposure. Provide

Conditions for safe storage, including any incompatibilities

Store locked up. Keep away from heat, sparks and open flame. Prevent electrostatic charge build-up by using common bonding and grounding techniques. Store in original tightly closed container. Store in a cool, dry place out of direct sunlight. Store in a well-ventilated place. Refrigeration recommended. Store away from incompatible materials (see Section 10 of the SDS).

Section 8 – Exposure Controls / Personal Protection

Control Parameters

Components	ACGIH TLV	OSHA PEL	NIOSH	AIHA
			REL	WEEL
Carbon black, amorphous 1333-86-4	TWA: 3 mg/m ³	PEL: 3.5 mg/m ³	TWA: 0.1 mg/m ³	
2-methoxy-1-methylethyl acetate 108-65-6	-	-	-	50 ppm
Titanium dioxide 13463-67-7	TWA: 10 mg/m ³	PEL: 15 mg/m ³	-	
Synthetic Amorphous Silica, Precipitated 112926-00-8	-	TWA: 0.8 mg/m ³	TWA: 6 mg/m ³	

Solvent naphtha (petroleum), medium aliph.; Straight run kerosine 64742-88-7	TWA: 200 mg/m ³ Non-aerosol	-	TWA: 100 mg/m ³	
Aluminum hydroxide 21645-51-2	TWA: 1 mg/m ³ Respirable fraction	-	-	

Biological limit values No biological exposure limits noted for the ingredient(s).

Exposure Controls

US - California OELs: Skin designation:

2-methoxy-1-methylethyl acetate (CAS: 108-65-6)

Can be absorbed through the skin.

US - ACGIH Threshold Limit Values: Skin designation

Solvent naphtha (petroleum), medium aliph.; Straight run kerosine (CAS 64742-88-7)

Can be absorbed through the skin.

Appropriate engineering controls

Explosion-proof general and local exhaust ventilation. Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

Individual protection measures

General hygiene considerations

When using, do not eat, drink or smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

Eye/face protection

Wear safety glasses with side shields (or goggles).

Skin protection

Wear protective gloves. Wear suitable protective clothing.

Respiratory protection

If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn. Use a NIOSH/MSHA approved respirator

Thermal hazards

Wear appropriate thermal protective clothing, when necessary.

Section 9 – Physical and Chemical Properties

	PRODUCT CRITERIA
APPEARANCE - COLOR	Walnut
PHYSICAL STATE	Liquid
ODOR	Sweet ether-like odor
ODOR THRESHOLD	No data available
PH	No data available
MELTING POINT/FREEZING POINT	No data available
INITIAL BOILING POINT AND BOILING RANGE	>143 °C (289.4 °F)
FLASH POINT	42.2°C (108°F)
EVAPORATION RATE	No data available
FLAMMABILITY (solid, gas)	No data available
UPPER/LOWER FLAMMABILITY OR EXPLOSIVE LIMITS	No data available
VAPOR PRESSURE	No data available
VAPOR DENSITY (AIR=1)	No data available
RELATIVE DENSITY (@25°C)	1.66
SOLUBILITY(IES)	No data available
OXIDIZING PROPERTIES	No data available
PARTITION COEFFICIENT: n-octanol/water	No data available
AUTO IGNITION TEMPERATURE	No data available
DECOMPOSITION TEMPERATURE	No data available
VISCOSITY	No data available
VOC CONTENT	433 g/L

Section 10 – Stability and Reactivity

Reactivity: The product is stable and non-reactive under normal conditions of use, storage and transport.

Chemical Stability: Material is stable under normal conditions.

Possibility of Hazardous Reactions: Hazardous polymerization does not occur.

Conditions to Avoid: Avoid heat, sparks, open flames and other ignition sources. Avoid temperatures exceeding the flash point. Contact with incompatible materials.

Incompatibility (Materials to Avoid): Strong oxidizing agents.

Hazardous Decomposition Products: No hazardous decomposition products are known.

Section 11 – Toxicological Information

Information on likely routes of exposure:

Ingestion	Expected to be a low ingestion hazard.
Inhalation	Prolonged inhalation may be harmful. May cause damage to organs by inhalation.
Skin contact	No adverse effects due to skin contact are expected.
Eye contact	Direct contact with eyes may cause temporary irritation.

Symptoms related to the physical, chemical and toxicological characteristics

Direct contact with eyes may cause temporary irritation.

Information on toxicological effects

GHS Required Criteria	Toxicity Criteria	Toxicity Information	Comments	Chemical Constituent	
Acute Toxicity	LD50 (Oral/Rat)	>5000 mg/kg		Aluminum hydroxide (CAS 21645-51-2)	
	LC50 (Inhalation/Guinea pig)	-			
	LD50 (Dermal/Rabbit)	-			
	Skin Corrosion/Irritation	LD50 (Oral/Rat)	>8000 mg/kg		Carbon black, amorphous (CSA 1333-86-4)
		LC50 (Inhalation/Rat male)	-		
		LD50 (Dermal/Rabbit)	-		
		LD50 (Oral/Rat)	>22500 mg/kg		Synthetic Amorphous Silica, Precipitated (CAS 112926-00-8)
		LC50 (Inhalation/Rat male)	-		
		LD50 (Dermal/Rabbit)	-		
		LD50 (Oral/Rat)	6190 mg/kg		
LC50 (Inhalation/Rat male)	4345 ppm/, 6 hours		2-methoxy-1-methylethyl acetate (CAS 108-65-6)		
LD50 (Dermal/Rabbit)	>5000 mg/kg				
Serious Eye Damage / Eye Irritation	Direct contact with eyes may cause temporary irritation.				
Respiratory or Skin Sensitization	Not expected to be a skin or respiratory sensitizer				
Germ Cell Mutagenicity	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.				
Carcinogenicity	ACGH	-		Carbon black, amorphous (CSA 1333-86-4)	
	IARC	2B			
	NTP	-			
	OSHA	-			
	ACGH	-		Titanium dioxide (CAS 13463-67-7)	
	IARC	2B			
	NTP	-			
	OSHA	-			
Reproductive Toxicity	May damage the unborn child.				
STOT - Single Exposure	Not classified.				
STOT - Repeated Exposure	Causes damage to organs through prolonged or repeated exposure.		Cat 1		
Aspiration Hazard	Not available.				
Chronic effects	Prolonged inhalation may be harmful. Prolonged exposure may cause chronic effects. Causes damage to organs through prolonged or repeated exposure.				

* Estimates for product may be based on additional component data not shown.

Other important toxicological hazards:

See Section 2 for additional information.

Section 12 – Ecological Information

ECOTOXICITY

The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

ECOTOXICITY DATA

Ecotoxicity	Chemical Name	
	2-methoxy-1-methylethyl acetate	
Toxicity to algae	EC50 / 72 h	>1000 mg/L/72 hours (Green algae)
	NOEC / 96h	>= 1000 mg/L (Green algae)
Toxicity to fish	LC50 / 96h	161 mg/L (Pimephales promelas)/ 63.5 mg/L 14d (Oryzias latipes)
	NOEC / 56 days	47.5 mg/L 14d (Oryzias latipes)
Toxicity to Daphnia	EC 50 / 48h	408 mg/L 48h (Water flea)/ >100 mg/L 21d (Daphnid)
	NOEC / 21 days	>=100 mg/L 21 d (Daphnid)

Titanium dioxide		
Toxicity to algae	EC50 / 72 h	-
	NOEC / 96h	-
Toxicity to fish	LC50 / 96h	>1000mg/L (Mummichog (Fundulus heteroclitus))
	NOEC / 56 days	-
Toxicity to Daphnia	EC 50 / 48h	>1000 mg/L 48h (Water flea)
	NOEC / 21 days	-

Persistence and degradability No data is available on the degradability of this product.

Bioaccumulative potential

Product/Ingredient Name	Log Pow	BCF	Potential

Mobility in soil No data available.

PBT and vPvB assessment No information is available

Other adverse effects No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

Section 13 – Disposal Considerations

Disposal instructions Collect and reclaim or dispose in sealed containers at licensed waste disposal site. This material and its container must be disposed of as hazardous waste. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations.

Local disposal regulations Dispose in accordance with all applicable regulations.

Hazards waste code The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

Waste from residues/unused products Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

Contaminated packaging Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is

Section 14 – Transportation Information

Regulatory Information	UN number	UN proper shipping name	Transport Hazard Class(es)	Packing Group
DOT	UN 1263	Paint related material	3	III
	Special precautions for user: Read safety instructions, SDS and emergency procedures before handling. Special provisions: B1, B52, IB3, T2, TP1, TP29 Packaging exceptions: 150 Packaging non bulk: 173 Packaging bulk: 242			
TDG	UN 1263	Paint related material	3	III
IMDG	UN 1263	Paint related material	3	III
ICAO/IATA	UN 1263	Paint related material	3	III

Additional information

TDG Classification: Product classified as per the following sections of the Transportation of Dangerous Goods Regulations: 2.18-2.19 (Class 3).

DOT Classification: This product may be re-classified as "Combustible Liquid," unless transported by vessel or aircraft. Non-bulk packages (less than or equal to 119 gal) of combustible liquids are not regulated as hazardous materials.

Special precautions for user Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident

Transport in bulk according to Annex II of MARPOL and the IBC Code

Not available.

The actual shipping description for this product may vary based several factors including, but not limited to, the volume of material, size of the container, mode of transport and use of exemptions or exceptions found in the applicable regulations. The information provided in Section 14 is one possible shipping description for this product. Consult your shipping specialist or supplier for appropriate assignment information.

Section 15 – Regulatory Information

US federal regulation: This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

All components are on the U.S. EPA TSCA Inventory List.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)	Not regulated
CERCLA Hazardous Substance List (40 CFR 302.4)	Not listed
SARA 304 Emergency release notification	Not regulated
US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)	Not listed

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard Categories

Acute Health Hazard	No
Chronic Health Hazard	Yes
Fire Hazard	Yes
Sudden Release of Pressure Hazard	No
Reactive Hazard	No

SARA 302 Extremely hazardous substance	Not listed
SARA 311/312 Hazardous Chemical	No
SARA 313 (TRI reporting)	Not regulated

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List	Not regulated
Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.13)	Not regulated
Safe Drinking Water Act (SDWA)	Not regulated

US state regulations

US - New Jersey RTK - Substances: Listed substance

Solvent naphtha (petroleum), medium aliph.; Straight run kerosine (CAS 64742-88-7)
Synthetic Amorphous Silica, Precipitated (CAS 112926-00-8)
Titanium dioxide (CAS 13463-67-7)

US. California Controlled Substances. CA Department of Justice (California Health and Safety Code Section 11100)

Not listed

US. California. Candidate Chemicals List. Safer Consumer Products Regulations (Cal. Code Regs, tit. 22, 69502.3, subd. (a))

Solvent naphtha (petroleum), medium aliph.; Straight run kerosine (CAS 64742-88-7)
Titanium dioxide (CAS 13463-67-7)

US. Massachusetts RTK - Substance List

Solvent naphtha (petroleum), medium aliph.; Straight run kerosine (CAS 64742-88-7)
Synthetic Amorphous Silica, Precipitated (CAS 112926-00-8)
Titanium dioxide (CAS 13463-67-7)

US. New Jersey Worker and Community Right-to-Know Act

Solvent naphtha (petroleum), medium aliph.; Straight run kerosine (CAS 64742-88-7)

US. Pennsylvania RTK - Hazardous Substances

Solvent naphtha (petroleum), medium aliph.; Straight run kerosine (CAS 64742-88-7)
Titanium dioxide (CAS 13463-67-7)

US. Pennsylvania Worker and Community Right-to-Know Law

Solvent naphtha (petroleum), medium aliph.; Straight run kerosine (CAS 64742-88-7)
Titanium dioxide (CAS 13463-67-7)

US. Rhode Island RTK

Not regulated

US. California Proposition 65

WARNING: This product contains a chemical known to the State of California to cause cancer.

US - California Proposition 65 - CRT: Listed date/Carcinogenic substance

Titanium dioxide (CAS 13463-67-7) Listed: September 2, 2011

International Inventories

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	No
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances	No
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes
Taiwan	Taiwan Toxic Chemicals Substances Control Act	No

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s). A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

Section 16 – Other Information**HMIS Rating:**

Health	1
Flammability	2
Physical Hazard	0
Personal Protection	x

NFPA Rating:

Health	0
Flammability	2
Instability	0
Special	-

Issue Date:

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Supersedes:**Prepared By:**

Joey Wang

THE INFORMATION CONTAINED HEREIN IS BASED ON DATA BELIEVED TO BE RELIABLE BY INNOVATIVE MANUFACTURING INC. IT IS TRUE AND ACCURATE TO THE BEST OF OUR KNOWLEDGE, BUT IS NOT INTENDED TO BE ALL-INCLUSIVE. USERS SHOULD CONSIDER THIS INFORMATION AS A SUPPLEMENT TO OTHER INFORMATION GATHERED BY THEM AND MUST MAKE THEIR OWN DETERMINATION OF SUITABILITY AND COMPLETENESS TO ASSURE PROPER SAFE USE AND DISPOSAL OF THESE MATERIALS.