# **SAFETY DATA SHEET**



Date of issue/Date of revision 1 March 2016 Version 3

Section 1. Identification		
Product name	: FLD812 FLOOD PRO SEMI-TRANSPARENT ACRYLIC/OIL - NEUTRAL BASE	
Product code	: 00376536	
Other means of identification	: Not available.	
Product type	: Liquid.	
Relevant identified uses of	f the substance or mixture and uses advised against	
Product use	: Industrial applications, Used by spraying.	
Use of the substance/ mixture	: Coating.	
Uses advised against	: Not applicable.	
Manufacturer	: PPG Industries, Inc. One PPG Place Pittsburgh, PA 15272	
Emergency telephone number	: (412) 434-4515 (U.S.) (514) 645-1320 (Canada) 01-800-00-21-400 (Mexico)	
Technical Phone Number	: 1-800-441-9695 (8:00 am to 5:00 pm EST)	

Section 2. Hazards identification		
OSHA/HCS status	: This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).	
Classification of the substance or mixture	<ul> <li>SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) (central nervous system (CNS)) - Category 1</li> </ul>	
	Percentage of the mixture consisting of ingredient(s) of unknown toxicity: 31.5%	
GHS label elements		
Hazard pictograms		
Signal word	: Danger	
Hazard statements	: Causes damage to organs through prolonged or repeated exposure. (central nervous system (CNS))	
Precautionary statement	<u>S</u>	

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## Section 2. Hazards identification

Prevention	<ul> <li>Do not breathe vapor. Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling.</li> </ul>
Response	: Get medical attention if you feel unwell. Photosensitive agents : In case of accidental eye contact, avoid concurrent exposure to the sun or other sources of UV light which may increase the sensitivity of the eyes. In case of accidental skin contact, avoid concurrent exposure to the sun or other sources of UV light which may increase the sensitivity of skin.
Storage	: Not applicable.
Disposal	<ul> <li>Dispose of contents and container in accordance with all local, regional, national and international regulations.</li> </ul>
Supplemental label elements	: Repeated exposure to high vapor concentrations may cause irritation of the respiratory system and permanent brain and nervous system damage. Inhalation of vapor/aerosol concentrations above the recommended exposure limits causes headaches, drowsiness and nausea and may lead to unconsciousness or death. Avoid contact with skin and clothing. Wash thoroughly after handling. Emits toxic fumes when heated. DANGER - RAGS, STEEL WOOL OR WASTE SOAKED WITH THIS PRODUCT MAY SPONTANEOUSLY CATCH FIRE IF IMPROPERLY DISCARDED. IMMEDIATELY AFTER EACH USE, PLACE RAGS, STEEL WOOL OR WASTE IN A SEALED WATER-FILLED METAL CONTAINER.
Hazards not otherwise classified	: Prolonged or repeated contact may dry skin and cause irritation.

## Section 3. Composition/information on ingredients

 Substance/mixture
 : Mixture

 Product name
 : FLD812 FLOOD PRO SEMI-TRANSPARENT ACRYLIC/OIL - NEUTRAL BASE

Ingredient name	%	CAS number
Stoddard solvent	≥1 - <10	8052-41-3
Naphtha (petroleum), heavy alkylate	≥0.1 - <25	64741-65-7
propane-1,2-diol	≥0.1 - <25	57-55-6
3-iodo-2-propynyl butylcarbamate	≥0.1 - <1	55406-53-6

SUB codes represent substances without registered CAS Numbers.

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

## Section 4. First aid measures

If ingestion, irritation, any type of overexposure or symptoms of overexposure occur during or persists after use of this product, contact a POISON CONTROL CENTER, EMERGENCY ROOM OR PHYSICIAN immediately; have Safety Data Sheet information available. Never give anything by mouth to an unconscious or convulsing person.

### Description of necessary first aid measures

Eye contac	t
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: Remove contact lenses, irrigate copiously with clean, fresh water, holding the eyelids apart for at least 10 minutes and seek immediate medical advice.

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## Section 4. First aid measures

	In case of accidental eye contact, avoid concurrent exposure to the sun or other sources of UV light which may increase the sensitivity of the eyes.
Inhalation	Remove to fresh air. Keep person warm and at rest. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel.
Skin contact	<ul> <li>Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water or use recognized skin cleanser. Do NOT use solvents or thinners. In case of accidental skin contact, avoid concurrent exposure to the sun or other sources of UV light which may increase the sensitivity of skin.</li> </ul>
Ingestion	: If swallowed, seek medical advice immediately and show this container or label. Keep person warm and at rest. Do NOT induce vomiting.
Most important symptoms/	effects, acute and delayed
Potential acute health effe	<u>cts</u>
Eye contact	: No known significant effects or critical hazards.
Inhalation	: No known significant effects or critical hazards.
Skin contact	: Defatting to the skin. May cause skin dryness and irritation.
Ingestion	: No known significant effects or critical hazards.
Over-exposure signs/sym	<u>otoms</u>
Eye contact	: No specific data.
Inhalation	: No specific data.
Skin contact	: Adverse symptoms may include the following: irritation dryness cracking
Ingestion	: No specific data.
Indication of immediate me	dical attention and special treatment needed, if necessary
Notes to physician	<ul> <li>Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.</li> </ul>
Specific treatments	: No specific treatment.
Protection of first-aiders	: No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

### See toxicological information (Section 11)

## Section 5. Fire-fighting measures

Extinguishing media	
Suitable extinguishing media	: Use an extinguishing agent suitable for the surrounding fire.
Unsuitable extinguishing media	: None known.

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## Section 5. Fire-fighting measures

Specific hazards arising from the chemical	: In a fire or if heated, a pressure increase will occur and the container may burst. This material is harmful to aquatic life. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.
Hazardous thermal decomposition products	: Decomposition products may include the following materials: carbon dioxide carbon monoxide
Special protective actions for fire-fighters	<ul> <li>Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.</li> </ul>
Special protective equipment for fire-fighters	: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

## Section 6. Accidental release measures

### Personal precautions, protective equipment and emergency procedures For non-emergency personnel : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment. For emergency responders : If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For nonemergency personnel". Environmental precautions : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

### Methods and materials for containment and cleaning up

Small spill	: Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
Large spill	: Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

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## Section 7. Handling and storage

### Precautions for safe handling

Protective measures	Put on appropriate personal protective equipment (see Section 8). Do not breathe vapor or mist. Do not ingest. Avoid contact with eyes, skin and clothing. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.
Special precautions	Materials such as cleaning rags, paper wipes and protective clothing, which are contaminated with the product may spontaneously self-ignite some hours later. To avoid the risks of fires, all contaminated materials should be stored in purpose-built containers or in metal containers with tight-fitting, self-closing lids. Contaminated materials should be removed from the workplace at the end of each working day and be stored outside. If this material is part of a multiple component system, read the Safety Data Sheet(s) for the other component or components before blending as the resulting mixture may have the hazards of all of its parts.
Advice on general occupational hygiene	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
Conditions for safe storage, including any incompatibilities	Do not store below the following temperature: 5°C (41°F). Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

## Section 8. Exposure controls/personal protection

### **Control parameters**

Occupational exposure limits
In averalia of manage

Ingredient name	Exposure limits	
Stoddard solvent	ACGIH TLV (United States, 3/2015).	
	TWA: 525 mg/m <sup>3</sup> 8 hours.	
	TWA: 100 ppm 8 hours.	
	OSHA PEL (United States, 2/2013).	
	TWA: 2900 mg/m <sup>3</sup> 8 hours.	
	TWA: 500 ppm 8 hours.	
Naphtha (petroleum), heavy alkylate	None.	
propane-1,2-diol	IPEL (PPG).	
	TWA: 10 mg/m <sup>3</sup>	
3-iodo-2-propynyl butylcarbamate	None.	
Key to abbreviat	tions	
A = Acceptable Maximum Peak	S = Potential skin absorption	
ACGIH = American Conference of Governmental Industrial Hygienists.	SR = Respiratory sensitization	
C = Ceiling Limit	SS = Skin sensitization	
F = Fume	STEL = Short term Exposure limit values	
IPEL = Internal Permissible Exposure Limit	TD = Total dust	
OSHA = Occupational Safety and Health Administration.	TLV = Threshold Limit Value	
R = Respirable	TWA = Time Weighted Average	
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### Section 8. Exposure controls/personal protection

Z = OSHA 29 CFR 1910.1200 Subpart Z - Toxic and Hazardous Substances

### Consult local authorities for acceptable exposure limits.

Recommended monitoring procedures	:	If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to appropriate monitoring standards. Reference to national guidance documents for methods for the determination of hazardous substances will also be required.
Appropriate engineering controls	:	If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.
Environmental exposure controls	:	Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.
Individual protection measur	es	
Hygiene measures	:	Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.
Eye/face protection <u>Skin protection</u>	:	Safety glasses with side shields.
Hand protection	:	Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.
Gloves	1	polyethylene
Body protection	:	Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
Other skin protection	:	Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
Respiratory protection	:	Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator. If workers are exposed to concentrations above the exposure limit, they must use appropriate, certified respirators. Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary.

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## Section 9. Physical and chemical properties

### **Appearance**

Physical state	1	Liquid.
Color	1	Various
Odor	1	Characteristic.
Odor threshold	1	Not available.
рН	1	8.8
Melting point	4	Not available.
Boiling point	1	100°C (212°F)
Flash point	1	Closed cup: Not applicable. [Product does not sustain combustion.]
Auto-ignition temperature	1	Not available.
Decomposition temperature	1	Not available.
Flammability (solid, gas)	1	Not available.
Lower and upper explosive (flammable) limits	:	Lower: 0.07% Upper: 0.08%
Evaporation rate	1	Not available.
Vapor pressure	:	Not available.
Vapor density	1	Not available.
Relative density	1	1.08
Density(lbs / gal)	1	9.01
Solubility	1	Soluble in the following materials: cold water.
Partition coefficient: n-	1	Not available.
octanol/water		
Viscosity	4	Kinematic (40°C (104°F)): >0.21 cm²/s (>21 cSt)
Volatility	1	<b>₽</b> 4% (v/v), 67.286% (w/w)
% Solid. (w/w)	1	<b>3</b> 2.714

## Section 10. Stability and reactivity

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Hazardous decomposition products	: Decomposition products may include the following materials: carbon monoxide, carbon dioxide, smoke, oxides of nitrogen.
Incompatible materials	: Keep away from the following materials to prevent strong exothermic reactions: oxidizing agents, strong alkalis, strong acids.
Conditions to avoid	: When exposed to high temperatures may produce hazardous decomposition products. Refer to protective measures listed in sections 7 and 8.
Possibility of hazardous reactions	: Under normal conditions of storage and use, hazardous reactions will not occur.
Chemical stability	: The product is stable.
Reactivity	: No specific test data related to reactivity available for this product or its ingredients.

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## Section 11. Toxicological information

### Information on toxicological effects

### Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
-				LAPUSUIE
Stoddard solvent	LD50 Oral	Rat Rabbit	>5 g/kg	-
propane-1,2-diol	LD50 Dermal LD50 Oral	Rat	20800 mg/kg 20 g/kg	-
3-iodo-2-propynyl	LD50 Dermal	Rabbit	>2 g/kg	_
butylcarbamate	EBOO Boimar	1 CODDIC	2 9/19	
, , , , , , , , , , , , , , , , , , ,	LD50 Oral	Rat	1470 mg/kg	-
Conclusion/Summary	: There are no data available on	the mixture itself.		<u>.</u>
Irritation/Corrosion				
Conclusion/Summary				
Skin	: There are no data available on	the mixture itself.		
Eyes	: There are no data available on	the mixture itself.		
Respiratory	: There are no data available on	the mixture itself.		
<u>Sensitization</u>				
Conclusion/Summary				
Skin	: There are no data available on	the mixture itself.		
Respiratory	: There are no data available on	the mixture itself.		
<u>Mutagenicity</u>				
<b>Conclusion/Summary</b>	: There are no data available on	the mixture itself.		
Carcinogenicity				
Conclusion/Summary	: There are no data available on	the mixture itself.		
Reproductive toxicity				
Conclusion/Summary	: There are no data available on	the mixture itself.		
<u>Feratogenicity</u>				
Conclusion/Summary	: There are no data available on	the mixture itself.		
Specific target organ toxicit	<u>y (single exposure)</u>			
Not available.				

### Specific target organ toxicity (repeated exposure)

Name		Category
Stoddard solvent 3-iodo-2-propynyl buty	Icarbamate	Category 1 Category 1
Target organs	: Contains material which causes damage to the following or	gans: brain, central nervous

larget organs

system (CNS). Contains material which may cause damage to the following organs: kidneys, liver, upper respiratory tract, skin, eye, lens or cornea, testes.

### Aspiration hazard

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## Section 11. Toxicological information

Conclusion/Summary: There are no data available on the mixture itself. Acrylate components of the mixture have irritating properties. Prolonged or repeated contact with skin or mucous membrane may result in irritation symptoms, such as redness, blistering, dermatitis etc May cause allergic skin reactions with repeated exposure. The inhalation of airborne droplets or aerosols may cause irritation of the respiratory tract. Ingestion may cause nausea, weakness and central nervous system effects. Exposure to component solver vapor concentrations in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse health effects such as mucous membrane and respiratory system irritation and adverse health effects such as mucous membrane and respiratory to a component solver vapor concentrations in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse health effects such as mucous membrane and respiratory to a solvent vapors in combination with constant loud noise can cause greater hearing loss than expected from exposure to noise alone. If splashed in the eyes, the liquid may cause irritation and reversible damage. This takes into account, where known, delayed and immediate effects and also chronic effects of components from short-term and lon term exposure Potential immediate effectsPotential immediate effects: There are no data available on the mixture itself.Long term exposure Potential delayed effects: There are no data available on the mixture itself.Long term exposure Potential delayed effects: There are no data available on the mixture itself.Long term exposure Potential delayed effects: There are no data	Name		Result			
Potential acute health effects         Eye contact       :       No known significant effects or critical hazards.         Inhalation       :       No known significant effects or critical hazards.         Skin contact       :       Defatting to the skin. May cause skin dryness and irritation.         Ingestion       :       No known significant effects or critical hazards.         Over-exposure signs/symptoms       :       No specific data.         Eye contact       :       No specific data.         Skin contact       :       Adverse symptoms may include the following: irritation dryness cracking         Ingestion       :       No specific data.         Delayed and immediate effects and also chronic effects from short and long term exposure         Conclusion/Summary       :       There are no data available on the mixture itself. Acrylate components of the mixture have irritating properties. Prolonged or repeated contact with skin or mucous membrane may result in irritation symptoms, such as redness, bilstering, dermatils etc May cause allergic skin reactions with repeated exposure. The inhalation of airborne droplets or aerosols may cause infation of the respiratory tract. Ingestion may cause nausea, weakness and central nervous system effects. Exposure to component solve vapor concentrations in excess of the stated occupational exposure. Symptoms and sign include headache, dizziness, fatigue, muscular weakness, drowsinees and, in extreme cases, loss of consciousness. Solvents may cause some of the above effects by absorphoin through the skin. There is some eviden		alkylate				
Eye contact       : No known significant effects or critical hazards.         Inhalation       : Defatting to the skin. May cause skin dryness and irritation.         Ingestion       : No known significant effects or critical hazards.         Over-exposure signs/symptoms       : No specific data.         Eye contact       : No specific data.         Skin contact       : Adverse symptoms may include the following: irritation dryness cracking         Ingestion       : No specific data.         Selayed and immediate effects and also chronic effects from short and long term exposure         Conclusion/Summary       : There are no data available on the mixture itself. Acrylate components of the mixture have inritating properties. Prolonged or repeated contact with skin or mucous membrane may result in irritation symptoms, such as redness, bilstering, dermatitis etc May cause allergic skin reactions with repeated exposure. The inhalation of airborne droplets or aerosols may cause irritation of the respiratory tact. Ingestion may cause nausea, weakness and central nervous system irritation and exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse lease filter of mexposure to noise alone. If splashed in the eyes, the liquid may cause irritation and reversible damage. This takes into acause greater hearing loss than expected from exposure to noise alone. If splashed in the eyes, the liquid may cause irritation and reversible damage. This takes ind acause deve dectes by absorption through the skin. There is some evidence that repeated exposure and eye contact.         Short term exposure       There are no data ava	nformation on the likely rou	tes of exposure				
Inhalation       :       No known significant effects or critical hazards.         Skin contact       :       Defatting to the skin. May cause skin dryness and irritation.         Ingestion       :       No known significant effects or critical hazards.         Over-exposure signs/symptoms         Eye contact       :       No specific data.         Inhalation       :       No specific data.         Skin contact       :       Adverse symptoms may include the following: irritation dryness cracking         Ingestion       :       No specific data.         Delayed and immediate effects and also chronic effects from short and long term exposure         Conclusion/Summary       :       There are no data available on the mixture itself. Acrylate components of the mixture have irritating properties. Prolonged or repeated contact with skin or mucous membrane may result in irritation symptoms, such as redness, bilstering, dermatitis etc May cause allergic skin reactions with repeated exposure. The inhalation of airborne droplets or aerosols may cause irritation of the respiratory tract. Ingestion may cause nausea, weakness and central nervous system effects. Exposure to component solver vapor concentrations in excess of the stated occupational exposure limit may result in adverse effects such as mucous membrane and respiratory system irritation and adverse effects such as nucous membrane and respiratory system irritation and adverse effects on the kidneys, liver and central nervous system stare into accous problemet and evalues the advoce effects by absorption through the skin. There is some evidence that repeated expos	Potential acute health effect	:ts				
Skin contact       : Defatting to the skin. May cause skin dryness and irritation.         Ingestion       : No known significant effects or critical hazards.         Over-exposure signs/symptoms       Eye contact       : No specific data.         Inhalation       : No specific data.       Skin contact       : Adverse symptoms may include the following: irritation dryness cracking         Ingestion       : No specific data.         Delayed and immediate effects and also chronic effects from short and long term exposure         Conclusion/Summary       : There are no data available on the mixture itself. Acrylate components of the mixture have irritating properties. Prolonged or repeated contact with skin or mucous membrane may result in irritation symptoms, such as redness, blistering, dermatitis etc May cause allergic skin reactions with repeated exposure. The inhalation of alrohome droplets or aerosols may cause irritation of the respiratory tract. Ingestion may cause nausea, weakness and central nervous system initiation and adverse health effects such as mucous membrane and respiratory system irritation adverse health effects such as mucous mucous methores, atower by owner subject by absorption through the skin. There is some evidence that repeated exposure to organi solvent vapors in combination with constant loud noise can cause greater hearing loss than expected from exposure to noise alone. If splashed in the eyes, the liquid may cause irritation and reversible damage. This takes into account, where known, delayed and immediate effects and also chronic effects of components from short-term and lon term exposure by oral, inhalation and dermal routes of exposure and eye contact.         Short term exposure to notata	Eye contact	: No known significant effects or critic	al hazards.			
Ingestion       : No known significant effects or critical hazards.         Over-exposure signs/symptoms         Eye contact       : No specific data.         Inhalation       : No specific data.         Skin contact       : Adverse symptoms may include the following: irritation dryness cracking         Ingestion       : No specific data.         Delayed and immediate effects and also chronic effects from short and long term exposure         Conclusion/Summary       : There are no data available on the mixture itself. Acrylate components of the mixture have irritating properties. Prolonged or repeated contact with skin or mucous membrane may result in irritation symptoms, such as redness, bilstering, dermatitis etc May cause allergic skin reactions with repeated exposure. The inhalation of airborne droplets or aeroscis may cause irritation of the respiratory tract. Ingestion may cause nausea, weakness and central nervous system effects. Exposure to component solver vapor concentrations in excess of the stated occupational exposure limit may result in adverse effects on the kidneys, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and, in extreme vapor concentration in excess of the astated occupational exposure to organ solvent vapors in combination with constant loud noise can cause greater hearing loss than expected from exposure to noise alone. If splashed in the eyes, the liquid may cause irritation and reversible damage. This takes into account, where known, delayed and immediate effects and also chronic effects of components from short-term and lon term exposure         Short term exposure       There are no data available on the mixture	Inhalation	: No known significant effects or critic	-			
Over-exposure signs/symptoms           Eye contact         : No specific data.           Inhalation         :: No specific data.           Skin contact         :: Adverse symptoms may include the following: irritation dryness cracking           Ingestion         :: No specific data.           Delayed and immediate effects and also chronic effects from short and long term exposure           Conclusion/Summary         :: There are no data available on the mixture itself. Acrylate components of the mixture have irritating properties. Prolonged or repeated contact with skin or mucous membrane may result in irritation symptoms, such as redness, bitstering, dermatitis etc May cause allergic skin reactions with repeated exposure. The inhalation of airborne droplets or aerosols may cause irritation of the respiratory tract. Ingestion may cause nausea, weakness and central nervous system effects. Exposure to component solve vapor concentrations in excess of the stated occupational exposure limit may result in adverse health effects such as muccus membrane and respiratory system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and, in extreme cases, loss of consciousness. Solvents may cause some of the above effects by absorption through the skin. There is some evidence that repeated exposure to organ solvent vapors in combination with constant loud noise can cause greater hearing loss than expected from exposure to noise alone. If splashed in the eyes, the liquid may cause irritation and reversible damage. This takes into account, where known, delayed and immediate effects and also chronic effects of components from short-term and lon term exposure by oral, inhalation and dermal routes of exposure and eye contact.           Short term e	Skin contact	: Defatting to the skin. May cause ski	in dryness and irritation.			
Eye contact       : No specific data.         Inhalation       : No specific data.         Skin contact       : Adverse symptoms may include the following: irritation dryness cracking         Ingestion       : No specific data.         Delayed and immediate effects and also chronic effects from short and long term exposure cracking         Conclusion/Summary       : There are no data available on the mixture itself. Acrylate components of the mixture have irritating orporties. Prolonged or repeated contact with skin or mucous membrane may result in irritation symptoms, such as redness, blistering, dermatitis eto May cause allergic skin reactions with repeated exposure. The inhalation of airborne droplets or aerosols may cause irritation of the respiratory tract. Ingestion may cause nausea, weakness and central nervous system effects. Exposure to component solver vapor concentrations in excess of the stated occupational exposure limit may result in adverse effects on the kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and, in extreme cases, loss of consciousness. Solvents may cause some of the above effects by absorption through the skin. There is some evidence that repeated exposure to organi solvent vapors in combination with constant loud noise can cause greater hearing loss than expected from exposure to noise alone. If splashed in the eyes, the liquid may cause irritation and reversible damage. This takes into account, where known, delayed and immediate effects and also chronic effects of components from short-term and ion term exposure         Potential immediate       : There are no data available on the mixture itself.         Long term exposure       :	Ingestion	: No known significant effects or critic	al hazards.			
Inhalation       : No specific data.         Skin contact       : Adverse symptoms may include the following: irritation dryness cracking         Ingestion       : No specific data.         Delayed and immediate effects and also chronic effects from short and long term exposure         Conclusion/Summary       : There are no data available on the mixture itself. Acrylate components of the mixture have irritating properties. Prolonged or repeated contact with skin or mucous membrane may result in irritation symptoms, such as redness, blistering, dermattis etc May cause allergic skin reactions with repeated exposure. The inhalation of airborne droplets or aerosols may cause irritation of the respiratory tract. Ingestion may cause nausea, weakness and central nervous system effects. Exposure to component solver vapor concentrations in excess of the stated occupational exposure limit may result in adverse health effects such as muccus membrane and respiratory system irritation and adverse health effects such as muccus meakness, drowsiness and, in extreme cases, loss of consciousness. Solvents may cause some of the above effects by absorption through the skin. There is some evidence that repeated exposure to organi solvent vapors in combination with constant loud noise can cause greater hearing loss than expected from exposure to noise alone. If splashed in the eyes, the liquid may cause irritation and reversible damage. This takes into account, where known, delayed and immediate effects and also chronic effects of components from short-term and lon term exposure         Potential delayed effects       : There are no data available on the mixture itself.         Long term exposure       : There are no data available on the mixture itself.         Potenti	Over-exposure signs/symp	<u>toms</u>				
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<b>Carcinogenicity</b> : No known significant effects or critical hazards.	General					
	Carcinogenicity	: No known significant effects or critic	al hazards.			

Date of issue 1 March 2016 Version 3

Product name FLD812 FLOOD PRO SEMI-TRANSPARENT ACRYLIC/OIL - NEUTRAL BASE

## Section 11. Toxicological information

Mutagenicity	: No known significant effects or critical hazards.
Teratogenicity	: No known significant effects or critical hazards.
Developmental effects	: No known significant effects or critical hazards.
Fertility effects	: No known significant effects or critical hazards.

### Numerical measures of toxicity

### Acute toxicity estimates

Route	ATE value
	5486.1 mg/kg 5486.1 mg/kg

## Section 12. Ecological information

### **Toxicity**

Not available.

### Persistence and degradability

Not available.

### **Bioaccumulative potential**

Product/ingredient name	LogPow	BCF	Potential
Stoddard solvent	3.16 to 7.06	-	high
propane-1,2-diol	-0.92	-	low

### Mobility in soil

Soil/water partition coefficient (Koc)

: Not available.

## Section 13. Disposal considerations

#### **Disposal methods**

: The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Disposal should be in accordance with applicable regional, national and local laws and regulations.

Refer to Section 7: HANDLING AND STORAGE and Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION for additional handling information and protection of employees. Section 6. Accidental release measures

Version 3

### Product name FLD812 FLOOD PRO SEMI-TRANSPARENT ACRYLIC/OIL - NEUTRAL BASE

### 14. Transport information

	DOT	IMDG	IATA
UN number	Not regulated.	Not regulated.	Not regulated.
UN proper shipping name	-	-	-
Transport hazard class (es)	-	-	-
Packing group	-	-	-
Environmental hazards	No.	No.	No.
Marine pollutant substances	Not applicable.	Not applicable.	Not applicable.

### Additional information

DOT	: None identified.
IMDG	: None identified.
ΙΑΤΑ	: None identified.

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 or spillage.

## Section 15. Regulatory information

### **United States**

United States inventory (TSCA 8b) : All components are listed or exempted.

#### SARA 302/304

SARA 304 RQ : Not applicable.

**Composition/information on ingredients** 

No products were found.

### SARA 311/312

Classification

: Immediate (acute) health hazard Delayed (chronic) health hazard

### Composition/information on ingredients

Name	Fire hazard	Sudden release of pressure	Reactive	Immediate (acute) health hazard	Delayed (chronic) health hazard
Stoddard solvent	Yes.	No.	No.	Yes.	Yes.
Naphtha (petroleum), heavy alkylate	Yes.	No.	No.	Yes.	No.
3-iodo-2-propynyl butylcarbamate	Yes.	No.	No.	Yes.	Yes.

United States	Page: 11/12
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Product name FLD812 FLOOD PRO SEMI-TRANSPARENT ACRYLIC/OIL - NEUTRAL BASE

## Section 15. Regulatory information

Additional environmental information is contained on the Environmental Data Sheet for this product, which can be obtained from your PPG representative.

## Section 16. Other information

Hazardous Material Information System (U.S.A.)

Health : 2 \* Flammability : 0 Physical hazards : 0 (\*) - Chronic effects

Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks Although HMIS® ratings are not required on MSDSs under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered mark of the National Paint & Coatings Association (NPCA). HMIS® materials may be purchased exclusively from J. J. Keller (800) 327-6868.

The customer is responsible for determining the PPE code for this material.

National Fire Protection Association (U.S.A.)

Health : 2 Flammabil	lity : 0 Instability : 0
Date of previous issue :	: 1/18/2016
Organization that prepared : the MSDS	EHS
Key to abbreviations :	<ul> <li>ATE = Acute Toxicity Estimate</li> <li>BCF = Bioconcentration Factor</li> <li>GHS = Globally Harmonized System of Classification and Labelling of Chemicals</li> <li>IATA = International Air Transport Association</li> <li>IBC = Internediate Bulk Container</li> <li>IMDG = International Maritime Dangerous Goods</li> <li>LogPow = logarithm of the octanol/water partition coefficient</li> <li>MARPOL 73/78 = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)</li> <li>UN = United Nations</li> </ul>

### Indicates information that has changed from previously issued version.

### **Disclaimer**

The information contained in this data sheet is based on present scientific and technical knowledge. The purpose of this information is to draw attention to the health and safety aspects concerning the products supplied by PPG, and to recommend precautionary measures for the storage and handling of the products. No warranty or guarantee is given in respect of the properties of the products. No liability can be accepted for any failure to observe the precautionary measures described in this data sheet or for any misuse of the products.