

SIGMA-ALDRICH		
MATERIAL SAFETY DATA SHEET		
Date Printed: 05/27/2009 Date Updated: 01/29/2006 Version 1.3		
Section 1 - Product and Company Information		
Product Name	13,14-DIHYDRO-15-KETOPROSTAGLANDIN F2A	
Product Number	D4143	
Brand	SIGMA	
Company Address	Sigma-Aldrich Canada, Ltd 2149 Winston Park Drive Oakville ON L6H 6J8 CA	
Technical Phone:	9058299500	
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Emergency Phone:	800-424-9300	
Section 2 - Composition/Information on Ingredient		
Substance Name	CAS #	SARA 313
13,14-DIHYDRO-15-KETOPROSTAGLANDIN F2A	27376-76-7	No
Formula	C20H34O5	
Section 3 - Hazards Identification		
EMERGENCY OVERVIEW		
Harmful. Harmful by inhalation, in contact with skin and if swallowed. Reproductive hazard. Target organ(s): Smooth muscle.		
HMIS RATING		
HEALTH: 1 FLAMMABILITY: 0 REACTIVITY: 0		
NFPA RATING		
HEALTH: 1 FLAMMABILITY: 0 REACTIVITY: 0		
For additional information on toxicity, please refer to Section 11.		
Section 4 - First Aid Measures		
ORAL EXPOSURE		
If swallowed, wash out mouth with water provided person is conscious. Call a physician.		
INHALATION EXPOSURE		
If inhaled, remove to fresh air. If breathing becomes difficult, call a physician.		
DERMAL EXPOSURE		
In case of skin contact, flush with copious amounts of water for at least 15 minutes. Remove contaminated clothing and shoes.		
Call a physician.		
EYE EXPOSURE		
In case of contact with eyes, flush with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Call a physician.		
Section 5 - Fire Fighting Measures		
FLASH POINT		
N/A		
AUTOIGNITION TEMP		
N/A		
FLAMMABILITY		
N/A		
EXTINGUISHING MEDIA		
Suitable: Carbon dioxide, dry chemical powder, or appropriate foam. Water spray.		
FIREFIGHTING		
Protective Equipment: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.		
Section 6 - Accidental Release Measures		
PROCEDURE TO BE FOLLOWED IN CASE OF LEAK OR SPILL		
Evacuate area.		
PROCEDURE(S) OF PERSONAL PRECAUTION(S)		
Wear respirator, chemical safety goggles, rubber boots, and heavy rubber gloves.		
METHODS FOR CLEANING UP		
Absorb on sand or vermiculite and place in closed containers for disposal. Ventilate area and wash spill site after material pickup is complete.		
Section 7 - Handling and Storage		
HANDLING		
User Exposure: Avoid prolonged or repeated exposure. Do not breathe vapor. Avoid contact with eyes, skin, and clothing.		
STORAGE		
Suitable: Keep tightly closed. Store at -20°C		
Section 8 - Exposure Controls / PPE		
ENGINEERING CONTROLS		
Use only in a chemical fume hood.		
PERSONAL PROTECTIVE EQUIPMENT		
Respiratory: Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU). Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole		
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means of protection, use a full-face supplied air respirator. Hand: Compatible chemical-resistant gloves. Eye: Chemical safety goggles.		
GENERAL HYGIENE MEASURES		
Wash thoroughly after handling.		
Section 9 - Physical/Chemical Properties		
Appearance	Physical State: Liquid	
Property	Value	At Temperature or Pressure
Molecular Weight	354.5 AMU	
pH	N/A	
BP/BP Range	N/A	
MP/MP Range	N/A	
Freezing Point	N/A	
Vapor Pressure	N/A	
Vapor Density	N/A	
Saturated Vapor Conc.	N/A	
Bulk Density	N/A	
Odor Threshold	N/A	
Volatile%	N/A	
VOC Content	N/A	
Water Content	N/A	
Solvent Content	N/A	
Evaporation Rate	N/A	
Viscosity	N/A	
Surface Tension	N/A	
Partition Coefficient	N/A	
Decomposition Temp.	N/A	
Flash Point	N/A	
Explosion Limits	N/A	
Flammability	N/A	
Autoignition Temp	N/A	
Refractive Index	N/A	
Optical Rotation	N/A	
Miscellaneous Data	N/A	
Solubility	N/A	
N/A = not available		
Section 10 - Stability and Reactivity		
STABILITY		
Stable: Stable.		
HAZARDOUS DECOMPOSITION PRODUCTS		
Hazardous Decomposition Products: Carbon monoxide, Carbon dioxide.		
HAZARDOUS POLYMERIZATION		
Hazardous Polymerization: Will not occur		
Section 11 - Toxicological Information		
ROUTE OF EXPOSURE		
Multiple Routes: Harmful if swallowed, inhaled, or absorbed through skin.		
TARGET ORGAN(S) OR SYSTEM(S)		
Smooth muscle.		
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SIGNS AND SYMPTOMS OF EXPOSURE		
To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.		
CONDITIONS AGGRAVATED BY EXPOSURE		
The toxicological properties have not been thoroughly investigated.		
Section 12 - Ecological Information		
No data available.		
Section 13 - Disposal Considerations		
APPROPRIATE METHOD OF DISPOSAL OF SUBSTANCE OR PREPARATION		
Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. Observe all federal, state, and local environmental regulations.		
Section 14 - Transport Information		
DOT		
Proper Shipping Name: None Non-Hazardous for Transport: This substance is considered to be non-hazardous for transport.		
IATA		
Non-Hazardous for Air Transport: Non-hazardous for air transport.		
Section 15 - Regulatory Information		
EU ADDITIONAL CLASSIFICATION		
Symbol of Danger: Xn Indication of Danger: Harmful. R: 20/21/22 Risk Statements: Harmful by inhalation, in contact with skin and if swallowed. S: 22-36 Safety Statements: Do not breathe dust. Wear suitable protective clothing.		
US CLASSIFICATION AND LABEL TEXT		
Indication of Danger: Harmful. Risk Statements: Harmful by inhalation, in contact with skin and if swallowed. Safety Statements: Do not breathe dust. Wear suitable protective clothing. US Statements: Reproductive hazard. Target organ(s): Smooth muscle.		
UNITED STATES REGULATORY INFORMATION		
SARA LISTED: No		
CANADA REGULATORY INFORMATION		
WHMIS Classification: This product has been classified in accordance with the hazard criteria of the CPR, and the MSDS contains all the information required by the CPR. DSL: No NDSL: No		
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Section 16 - Other Information		
DISCLAIMER		
For R&D use only. Not for drug, household or other uses.		
WARRANTY		
The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Sigma-Aldrich Inc., shall not be held liable for any damage resulting from handling or from contact with the above product. See reverse side of invoice or packing slip for additional terms and conditions of sale. Copyright 2009 Sigma-Aldrich Co. License granted to make unlimited paper copies for internal use only.		
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