SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

Product Name:	**FLEXANE ACCELERATOR**
MSDS Manufacturer Number:	15990
Manufacturer Name:	ITW Devcon
Address:	30 Endicott Street Danvers, MA 01923
General Phone Number:	(978) 777-1100
Emergency Phone Number:	(800) 424-9300
CHEMTREC:	For emergencies in the US, call CHEMTREC: 800-424-9300
Canutec:	In Canada, call CANUTEC: (613) 996-6666 (call collect)
MSDS Revision Date:	12/15/2009

HMIS

Health Hazard	1
Fire Hazard	1
REACTIVITY	1
Personal Protection	X

* Chronic Health Effects:

SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS#	Ingredient Percent
Trade secret.	N/A	5 - 10 by weight
Linoleic acid	60-33-3	5 - 10 by weight
Oleic acid	112-80-1	60 - 100 by weight
Palmitoleic acid	2091-29-4	5 - 10 by weight
Myristoleic acid	544-64-9	1 - 5 by weight
Linolenic acid	463-40-1	0.1 - 1 by weight

SECTION 3 - HAZARDS IDENTIFICATION

Emergency Overview:	CAUTION! Harmful. Irritant.
Route of Exposure:	Eyes. Skin. Inhalation. Ingestion.
Potential Health Effects:	
Eye:	May cause irritation.
Skin:	May cause irritation.
Inhalation:	Prolonged or excessive inhalation may cause respiratory tract irritation.
Ingestion:	May be harmful if swallowed. May cause vomiting.
Chronic Health Effects:	Prolonged or repeated contact may cause skin irritation.
Signs/Symptoms:	Overexposure may cause headaches and dizziness.
Target Organs:	Eyes. Skin. Respiratory system. Digestive system.
Aggravation of Pre-Existing Conditions:	None generally recognized.

SECTION 4 - FIRST AID MEASURES

Eye Contact:	Immediately flush eyes with plenty of water for at least 15 to 20 minutes. Ensure adequate flushing of the eyes by separating the eyelids with fingers. Get immediate medical attention.
Skin Contact:	Immediately wash skin with plenty of soap and water for 15 to 20 minutes, while removing contaminated clothing and shoes. Get medical attention if irritation develops or persists.
Inhalation:	If inhaled, remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Seek immediate medical attention.
Ingestion:	If swallowed, do NOT induce vomiting. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person.

SECTION 5 - FIRE FIGHTING MEASURES

Flash Point:	356°F (180°C)
Flash Point Method:	Cleveland Open Cup.
Auto Ignition Temperature:	Not determined.
Lower Flammable/Explosive Limit:	Not determined.

Fire Fighting Instructions:	exposed containers to minimize risk of rupture. Do not enter confined fire space without full protective gear. If possible, contain fire run-off water.
Extinguishing Media:	Use carbon dioxide (CO2) or dry chemical when fighting fires involving this material.
Protective Equipment:	As in any fire, wear Self-Contained Breathing Apparatus (SCBA), MSHA/NIOSH (approved or equivalent) and full protective gear.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Personnel Precautions:	Evacuate area and keep unnecessary and unprotected personnel from entering the spill area.
Environmental Precautions:	Avoid runoff into storm sewers, ditches, and waterways.
Spill Cleanup Measures:	Absorb spill with inert material (e,g., dry sand or earth), then place in a chemical waste container. After removal, flush spill area with soap and water to remove trace residue. Avoid personal contact and breathing vapors or mists. Ventilate area. Use proper personal protective equipment as listed in section 8.
Other Precautions:	Pump or shovel to storage/salvage vessels.

SECTION 7 - HANDLING and STORAGE

Handling:	Use with adequate ventilation. Avoid breathing vapor, aerosol or mist.
Storage:	Store in a cool, dry, well ventilated area away from sources of heat and incompatible materials. Keep container tightly closed when not in use.
Hygiene Practices:	Wash thoroughly after handling.

SECTION 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION - EXPOSURE GUIDELINES

Engineering Controls:	Use appropriate engineering control such as process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Good general ventilation should be sufficient to control airborne levels. Where such systems are not effective wear suitable personal protective equipment, which performs satisfactorily and meets OSHA or other recognized standards. Consult with local procedures for selection, training, inspection and maintenance of the personal protective equipment.
Eye/Face Protection:	Wear appropriate protective glasses or splash goggles as described by 29 CFR 1910.133, OSHA eye and face protection regulation, or the European standard EN 166.
Skin Protection Description:	Wear appropriate protective gloves and other protective apparel to prevent skin contact. Consult manufacturer's data for permeability data.
Respiratory Protection:	A NIOSH approved air-purifying respirator with an organic vapor cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits. Protection provided by air purifying respirators is limited. Use a positive pressure air supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air purifying respirators may not provide adequate protection.
Other Protective:	Facilities storing or utilizing this material should be equipped with an eyewash and a deluge shower safety station.

EXPOSURE GUIDELINES

Notes :	Only established PEL and TLV values for the ingredients are listed.

SECTION 9 - PHYSICAL and CHEMICAL PROPERTIES

Physical State Appearance:	Liquid.
Color:	Yellow
Odor:	Faint.
Boiling Point:	428°F (220°C)
Melting Point:	Not determined.
Specific Gravity:	Not determined.
Solubility:	Insoluble
Vapor Density:	Not determined.
Vapor Pressure:	<0.1hPA @68°F
Percent Volatile:	0
Evaporation Rate:	Not determined.
pH:	Not determined.
Molecular Formula:	Mixture
Molecular Weight:	Mixture
Flash Point:	356°F (180°C)
Flash Point Method:	Cleveland Open Cup.
Auto Ignition Temperature:	Not determined.
VOC Content:	0 g/L
Percent Solids by Weight	100

SECTION 10 - STABILITY and REACTIVITY

Chemical Stability:	Stable under normal temperatures and pressures.
Hazardous Polymerization:	Not reported.
Conditions to Avoid:	Extreme heat, sparks, and open flame. Incompatible materials, oxidizers and oxidizing conditions.
Incompatible Materials:	Oxidizing agents. Strong acids and alkalis.

SECTION 11 - TOXICOLOGICAL INFORMATION

Linoleic acid :

RTECS Number:	RF9990000
Skin:	Intraperitoneal. - Rat LD50 : >50 gm/kg [Details of toxic effects not reported other than lethal dose value.] Oral - Mouse LD50 : >50 gm/kg [Details of toxic effects not reported other than lethal dose value.] Intraperitoneal. - Mouse LD50 : 280 mg/kg [Details of toxic effects not reported other than lethal dose value.]
Ingestion:	Oral - Mouse LD50 : >50 gm/kg [Details of toxic effects not reported other than lethal dose value.]

Oleic acid :

RTECS Number:	RG2275000
Eye:	Eye - Rabbit Standard Draize Test.: 100 mg
Skin:	Intravenous. - Rat LD50: 2400 ug/kg [Lungs, Thorax, or Respiration - Acute pulmonary edema Lungs, Thorax, or Respiration - Other changes] Intraperitoneal. - Mouse LD50: 282 mg/kg [Details of toxic effects not reported other than lethal dose value.] Intravenous. - Mouse LD50: 230 mg/kg [Behavioral - Convulsions or effect on seizure threshold] Oral - Rat LD50: 25000 mg/kg [Details of toxic effects not reported other than lethal dose value.] Oral - Mouse LD50: 28000 mg/kg [Details of toxic effects not reported other than lethal dose value.] Administration onto the skin - Rabbit Open irritation test: 500 mg
Ingestion:	Oral - Rat LD50: 25000 mg/kg [Details of toxic effects not reported other than lethal dose value.] Oral - Mouse LD50: 28000 mg/kg [Details of toxic effects not reported other than lethal dose value.]

SECTION 12 - ECOLOGICAL INFORMATION

Ecotoxicity:	No ecotoxicity data was found for the product.
Environmental Fate:	No environmental information found for this product.

SECTION 13 - DISPOSAL CONSIDERATIONS

Waste Disposal:	Consult with the US EPA Guidelines listed in 40 CFR Part 261.3 for the classifications of hazardous waste prior to disposal. Furthermore, consult with your state and local waste requirements or guidelines, if applicable, to ensure compliance. Arrange disposal in accordance to the EPA and/or state and local guidelines.
RCRA Number:	None.

SECTION 14 - TRANSPORT INFORMATION

DOT Shipping Name:	Non regulated.
DOT UN Number:	Not applicable.
DOT Hazard Class:	Not applicable.
DOT Packing Group:	Not applicable.

SECTION 15 - REGULATORY INFORMATION

Linoleic acid :

TSCA Inventory Status:	Listed
Canada DSL:	Listed

Oleic acid :

TSCA Inventory Status:	Listed
Pennsylvania:	Listed
Canada DSL:	Listed

Palmitoleic acid :

TSCA Inventory Status:	Listed
Canada DSL:	Listed

Myristoleic acid :

TSCA Inventory Status:	Listed

TSCA Inventory Status:	Listed
Canada DSL:	Listed
Canadian Regulations.	WHMIS Hazard Class(es): D2B All components of this product are on the Canadian Domestic Substances List.

WHMIS Pictograms

SECTION 16 - ADDITIONAL INFORMATION

HMIS Fire Hazard:	1
HMIS Health Hazard:	1
HMIS Reactivity:	1
HMIS Personal Protection:	X
MSDS Revision Date:	12/15/2009
MSDS Author:	Actio Corporation
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