

1. Chemical Product and Company Identification

Material name	MILFORM® 6200 STAMPING AND DRAWING FLUID
Version #	02
Issue date	07-10-2013
Revision date	10-31-2014
Supersedes date	07-10-2013
CAS #	Mixture
MSDS Number	Not applicable
Recommended use	STAMPING AND DRAWING FLUID
Manufacturer	
Company name	CIMCOOL® Industrial Products LLC 3000 Disney Street Cincinnati, Ohio 45209
Telephone (General Information)	513-458-8199
Emergency telephone number	1-800-424-9300 (CHEMTREC)
Emergency telephone number (outside USA)	1-703-527-3887 (CHEMTREC)
Supplier	
Company name	Milacron Canada Corp.
Address	1175 Appleby Line Road, Unit B-1 Burlington Ontario L7L5H9 Canada
Telephone (General Information)	905-319-1919
Emergency telephone number (outside USA)	1-703-527-3887 (CHEMTREC)

2. Hazards Identification

Emergency overview	Causes eye irritation. Causes skin irritation. May be harmful if swallowed. Avoid prolonged contact with eyes, skin and clothing.
Potential health effects	
Routes of exposure	Inhalation. Ingestion. Skin contact. Eye contact.
Eyes	Causes eye irritation. Do not get this material in contact with eyes.
Skin	Causes skin irritation. Avoid contact with the skin.
Inhalation	May cause irritation of respiratory tract. Health injuries are not known or expected under normal use.
Ingestion	May be harmful if swallowed. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. Do not ingest.

3. Composition/Information on Ingredients

Components	CAS #	Percent
POLYETHYLENE GLYCOL OCTYLPHENYL ETHER	9036-19-5	1 - 5
TRIIISOPROPANOLAMINE	122-20-3	1 - 5
ISOPROPANOLAMINE	78-96-6	0.5 - 1.5
Other components below reportable levels		60 - 100

4. FIRST AID MEASURES

First aid procedures

Eye contact	Immediately flush eyes with plenty of water for at least 15 minutes. Continue rinsing. Get medical attention immediately.
Skin contact	Immediately flush with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. If skin irritation or rash occurs: Get medical advice/attention. Wash clothing separately before reuse.
Inhalation	If symptoms are experienced, remove source of contamination or move victim to fresh air. Under normal conditions of intended use, this material is not expected to be an inhalation hazard.
Ingestion	Rinse mouth thoroughly. Do not induce vomiting. Drink 1 or 2 glasses of water. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration. Call a POISON CENTER or doctor/physician if you feel unwell.

Notes to physician

Provide general supportive measures and treat symptomatically. Symptoms may be delayed.

General advice

If exposed or concerned: Get medical advice/attention. Show this safety data sheet to the doctor in attendance.

5. FIRE FIGHTING MEASURES

Flammable properties The product is not flammable.

Extinguishing media

Suitable extinguishing media Water fog. Foam. Dry chemical powder. Dry chemicals. Carbon dioxide (CO₂). Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media Not applicable, non-combustible.

Protection of firefighters

Specific hazards arising from the chemical During fire, gases hazardous to health may be formed.

Protective equipment for firefighters Wear suitable protective equipment.

Fire fighting equipment/instructions Use standard firefighting procedures and consider the hazards of other involved materials. Move containers from fire area if you can do so without risk.

Specific methods Use standard firefighting procedures and consider the hazards of other involved materials. Move container from fire area if it can be done without risk. In the event of fire and/or explosion do not breathe fumes.

Explosion data

Sensitivity to static discharge Not applicable.

Sensitivity to mechanical impact Not applicable.

Hazardous combustion products Smoke, fumes, oxides of nitrogen, and oxides of carbon

6. ACCIDENTAL RELEASE MEASURES

Personal precautions Keep unnecessary personnel away. Wear appropriate personal protective equipment. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Do not breathe mist or vapor. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the MSDS.

Environmental precautions Contact local authorities in case of spillage to drain/aquatic environment. Avoid discharge into drains, water courses or onto the ground. Use appropriate containment to avoid environmental contamination.

Methods for containment Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Prevent entry into waterways, sewer, basements or confined areas.

Methods for cleaning up	This product is miscible in water. Large Spills: Stop the flow of material, if this is without risk. Absorb in vermiculite, dry sand or earth and place into containers. Prevent product from entering drains. Following product recovery, flush area with water. Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination. Never return spills to original containers for re-use. For waste disposal, see section 13 of the MSDS.
Other information	Clean up in accordance with all applicable regulations.

7. HANDLING AND STORAGE

Handling	Do not cut, weld, solder, drill, grind, or expose containers to heat, flame, sparks, or other sources of ignition. Do not breathe vapor. Do not ingest. Do not get this material on clothing. Avoid contact with skin and eyes. Avoid prolonged and repeated contact. Observe good industrial hygiene practices. When using, do not eat, drink or smoke. Wash thoroughly after handling. Wash contaminated clothing before reuse. Practice good housekeeping. Handle and open container with care. Do not empty into drains.
Storage	To maintain product quality, do not store in heat or direct sunlight. Use care in handling/storage. Keep this material away from food, drink and animal feed. Store in original container. Store away from incompatible materials (see Section 10 of the MSDS). Do not allow material to freeze. Room temperature - normal conditions. If frozen, product may separate. Thaw completely at room temperature and stir thoroughly prior to use.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Biological limit values	No biological exposure limits noted for the ingredient(s).
Engineering controls	Ensure compliance with applicable exposure limits. Good general ventilation (typically 10 air changes per hour) 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. Eye wash fountain and emergency showers are recommended.
Personal protective equipment	
Eye / face protection	Wear safety glasses with side shields (or goggles). Do not get in eyes. Eye wash fountain is recommended.
Skin protection	Wear suitable protective clothing and gloves. Use protective gloves made of: Nitrile.
Respiratory protection	In case of insufficient ventilation, wear suitable respiratory equipment.

9. PHYSICAL & CHEMICAL PROPERTIES

Appearance	CLEAR
Physical state	Liquid.
Form	Liquid.
Color	Not available.
Odor	CHEMICAL
Odor threshold	Not available.
pH	9.6
Vapor pressure	Not available.
Vapor density	Not available.
Boiling point	> 212 °F (> 100 °C)
Melting point/Freezing point	< 26 °F (< -3.3 °C)
Solubility (water)	100 % Water Miscible
Specific gravity	1.013
Relative density	Not available.
Flash point	Not Applicable
Flammability limits in air, upper, % by volume	Not available.

Flammability limits in air, lower, % by volume	Not available.
Auto-ignition temperature	Not available.
Evaporation rate	Like water when diluted
Other data	
pH in aqueous solution	9.1 @ 15%
VOC ASTM D2369	4 %

10. Stability and Reactivity

Chemical stability	Material is stable under normal conditions.
Conditions to avoid	Contact with incompatible materials.
Incompatible materials	Do not add sodium nitrite or other nitrosating agents which may form cancer causing nitrosamines. Strong acids. Strong oxidizing agents. Avoid contact with oxidizers or reducing agents.
Hazardous decomposition products	Smoke, fumes, oxides of nitrogen, and oxides of carbon
Possibility of hazardous reactions	No dangerous reaction known under conditions of normal use. Hazardous polymerization does not occur.

11. TOXICOLOGICAL INFORMATION

Toxicological data

Components	Species	Test Results
ISOPROPANOLAMINE (CAS 78-96-6)		
Acute		
<i>Dermal</i>		
LD50	Rabbit	1576 mg/kg
<i>Inhalation</i>		
LC0	Rat	1005 mg/m ³ , 3 hours
<i>Oral</i>		
LD50	Rat	1715 mg/kg
POLYETHYLENE GLYCOL OCTYLPHENYL ETHER (CAS 9036-19-5)		
Acute		
<i>Dermal</i>		
LD50	Rabbit	> 3000 mg/kg
<i>Oral</i>		
LD50	Rat	4190 mg/kg

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

Acute effects	May be harmful if swallowed.
Chronic effects	Prolonged exposure may cause chronic effects.
Carcinogenicity	This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.
Reproductive effects	This product is not expected to cause reproductive or developmental effects.
Symptoms and target organs	Direct contact with eyes may cause temporary irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Skin irritation. Defatting of the skin.
Further information	Symptoms may be delayed.

12. ECOLOGICAL INFORMATION

Ecotoxicological data

Components	Species	Test Results
ISOPROPANOLAMINE (CAS 78-96-6)		
Aquatic		
Fish	LC50 Goldfish (<i>Carassius auratus</i>)	210 mg/l, 96 hours

Components	Species	Test Results
POLYETHYLENE GLYCOL OCTYLPHENYL ETHER (CAS 9036-19-5)		
Aquatic		
Fish	LC50 Rainbow trout,donaldson trout (Oncorhynchus mykiss)	7.2 mg/l, 96 hours

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

Ecotoxicity	Contains a substance which causes risk of hazardous effects to the environment.
Environmental effects	An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.
Persistence and degradability	Not available.
Partition coefficient	
ISOPROPANOLAMINE	-1.19
Mobility in environmental media	This product is miscible in water.

13. DISPOSAL CONSIDERATIONS

Disposal instructions	Consult authorities before disposal. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations.
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 emptied. Do not re-use empty containers.

14. Transport Information

TDG

UN number	UN3082
UN proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (OCTYLPHENOL ETHOXYLATE SOLUTION, NONYLPHENOXYPOLYETHOXYETHANOL)
Transport hazard class(es)	
Class	9
Subsidiary risk	-
Packing group	III
Environmental hazards	Not available.
Special precautions for user	Read safety instructions, MSDS and emergency procedures before handling.
Supplemental Information: Canadian TDG regulations may have criteria that would allow this material to be shipped as "Non-regulated" in some instances. To make that determination please refer to those regulations.	

IATA

UN number	UN3082
UN proper shipping name	Environmentally hazardous substance, liquid, n.o.s. (OCTYLPHENOL ETHOXYLATE SOLUTION, NONYLPHENOXYPOLYETHOXYETHANOL)
Transport hazard class(es)	
Class	9
Subsidiary risk	-
Packing group	III
Environmental hazards	No.
ERG Code	9L
Special precautions for user	Read safety instructions, MSDS and emergency procedures before handling. Read safety instructions, SDS and emergency procedures before handling.
Other information	
Passenger and cargo aircraft	Allowed.
Cargo aircraft only	Allowed.

IMDG

UN number	UN3082
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UN proper shipping name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (octylphenol ethoxylate solution, NONYLPHENOXYPOLYETHOXYETHANOL), MARINE POLLUTANT

Transport hazard class(es)

Class 9

Subsidiary risk -

Packing group III

Environmental hazards

Marine pollutant Yes

EmS F-A, S-F

Special precautions for user Read safety instructions, MSDS and emergency procedures before handling. Read safety instructions, SDS and emergency procedures before handling.

IATA; IMDG; TDG



Marine pollutant



15. REGULATORY INFORMATION

Canadian regulations 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.

WHMIS status Controlled

WHMIS classification D2B - Other Toxic Effects-TOXIC

WHMIS labeling



Inventory status

Country(s) or region	Inventory name	On inventory or exempt (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	No
Canada	Domestic Substances List (DSL)	No
Canada	Non-Domestic Substances List (NDSL)	Yes
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	No
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No
Korea	Existing Chemicals List (ECL)	No
New Zealand	New Zealand Inventory	Yes

Country(s) or region	Inventory name	On inventory or exempt (yes/no)*
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

16. OTHER INFORMATION

HMIS® ratings	Health: 1 Flammability: 0 Physical hazard: 0
NFPA ratings	Health: 1 Flammability: 0 Instability: 0
Disclaimer	The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.
Prepared by	Ann Ball
This data sheet contains changes from the previous version in section(s):	This document has undergone significant changes and should be reviewed in its entirety.