

# Safety Data Sheet

Issue Date 13-Mar-2002

Revision Date: 29-Jan-2014

Version 1

## 1. IDENTIFICATION

### Product Identifier

**Product Name** Model 23  
Skidoo Price Remover

### Other means of identification

**SDS #** SKIDOO

**UN/ID No** UN1210  
**Product Code** Model 23

### Recommended use of the chemical and restrictions on use

**Recommended Use** Removing ink markings.

### Details of the supplier of the safety data sheet

**Manufactured for:**  
Garvey, Cincinnati, OH 45215  
(800) 543-1908

**Manufactured by:**  
American Coding & Marking Ink Co., Inc.  
1220 North Avenue  
Plainfield, NJ 07062-1796

### Emergency Telephone Number

**Manufacturer Phone Number** (908) 756-0373  
**Emergency Telephone (24 hr)** Chemtrec 1-800-424-9300 (North America) 1-703-527-3887 (International)

## 2. HAZARDS IDENTIFICATION

### Classification

Flammable Liquids	Category 3
Acute toxicity - Oral	Category 4
Acute toxicity – Inhalation	Category 4
Acute toxicity – Dermal	Category 4
Skin corrosion/irritation	Category 1B
Serious eye damage	Category 1
Specific target organ toxicity (single exposure)	Category 3
Acute aquatic toxicity	Category 3

### Signal Word

**Danger**

### Hazard Statements

Harmful if swallowed, in contact with skin or if inhaled  
Causes skin irritation  
Causes serious eye irritation  
May cause respiratory irritation. May cause drowsiness or dizziness  
May damage fertility or the unborn child  
Flammable liquid and vapor  
Harmful to aquatic life



**EMERGENCY OVERVIEW:**

DANGER: HARMFUL IF SWALLOWED. CAUSES SKIN IRRITATION AND SERIOUS EYE DAMAGE. TOXIC IF INHALED. FLAMMABLE LIQUID AND VAPOR.

As noted in the preface to published values adopted by the ACGIH, TLV's represent conditions under which it is believed that nearly all workers may be repeatedly exposed day after day without adverse effect. Because of wide variation in individual susceptibility however, a small percentage of workers may experience discomfort from some substances at concentrations at or below the threshold limit; a smaller percentage may be affected more seriously by aggravation of a pre-existing condition or by development of occupational illness.

**Appearance** Liquid

**Physical State** Liquid

**Odor** Moderate

**Precautionary Statements - Prevention**

Wash face, hands and any exposed skin thoroughly after handling  
 Do not eat, drink or smoke when using this product  
 Wear protective gloves/protective clothing/eye protection/face protection  
 Avoid breathing dust/fume/gas/mist/vapors/spray  
 Use only outdoors or in a well-ventilated area  
 Keep away from heat/sparks/open flames/hot surfaces. — No smoking  
 Keep container tightly closed  
 Use only non-sparking tools  
 Take precautionary measures against static discharge  
 Keep cool

**Precautionary Statements - Response**

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 Get medical advice/attention  
 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower  
 Wash contaminated clothing before reuse  
 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing  
 Call a poison center or doctor/physician if you feel unwell  
 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell  
 Rinse mouth  
 IN CASE OF FIRE: Use water spray, CO<sub>2</sub>, dry chemical, or alcohol resistant foam to extinguish.

**Precautionary Statements - Storage**

Store in a well-ventilated place. Keep container tightly closed  
 Store locked up

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%
1-Methoxy-2-propanol	107-98-2	75-95
Ethanolamine	141-43-5	3-9
Odor mask	Not Available	0-1

### 4. FIRST-AID MEASURES

#### First Aid Measures

<b>Eye Contact</b>	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Consult a physician.
<b>Skin Contact</b>	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash with soap and water. Seek medical attention. Wash contaminated clothing before reuse.
<b>Inhalation</b>	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a poison center or doctor/physician if you feel unwell.
<b>Ingestion</b>	IF SWALLOWED: rinse mouth. Call a physician or Poison Control Center. Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person.

#### Most important symptoms and effects

<b>Symptoms</b>	Eye contact may result in redness, pain, blurred vision, burning sensation. Skin contact may result in irritation, defatting or dermatitis. Inhalation may cause drowsiness or dizziness. Inhalation may cause respiratory tract irritation. Ingestion may cause nausea, vomiting, dizziness, and headache.
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#### Indication of any immediate medical attention and special treatment needed

<b>Notes to Physician</b>	Treat symptomatically.
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### 5. FIRE-FIGHTING MEASURES

#### Suitable Extinguishing Media

Water fog. Alcohol resistant foam. Dry chemical. Carbon dioxide (CO<sub>2</sub>).

**Unsuitable Extinguishing Media** Do not use a solid water stream as it may scatter and spread fire.

#### Specific Hazards Arising from the Chemical

Fight as volatile liquid fire. Vapors may travel to source of ignition and flash back.

**Hazardous Combustion Products** Carbon oxides. Nitrogen oxides. During a fire, smoke may contain the original material in addition to combustion products of varying composition which may be toxic and/or irritating.

#### Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

### 6. ACCIDENTAL RELEASE MEASURES

#### Personal precautions, protective equipment and emergency procedures

<b>Personal Precautions</b>	Use personal protection recommended in Section 8. Avoid breathing vapors, mist or gas. Vapors may accumulate in low areas.
<b>Environmental Precautions</b>	See Section 12 for additional Ecological Information.

#### **Methods and material for containment and cleaning up**

<b>Methods for Containment</b>	Prevent further leakage or spillage if safe to do so. Contain spills to prevent migration and entry into any waterway. For small spills, apply absorbent and sweep up. For large spills, pump into approved waste containers. Comply with all government regulations on spills.
<b>Methods for Clean-Up</b>	Collect and reuse if possible. Keep in suitable, closed containers for disposal.

### **7. HANDLING AND STORAGE**

#### **Precautions for safe handling**

<b>Advice on Safe Handling</b>	Wash face, hands, and any exposed skin thoroughly after handling. Do not eat, drink or smoke when using this product. Wear protective gloves/protective clothing and eye/face protection. Avoid breathing dust/fume/gas/mist/vapors/spray. Always open containers slowly to allow any excess pressure to vent. Use only outdoors or in a well-ventilated area. Keep away from heat/sparks/open flames/hot surfaces. — No smoking. Keep container tightly closed. Use only non-sparking tools. Take precautionary measures against static discharges. Keep cool.
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#### **Conditions for safe storage, including any incompatibilities**

<b>Storage Conditions</b>	Keep container tightly closed and store in a cool, dry and well-ventilated place. Keep storage temperature between 4-32 °C (40-90 °F). Store locked up.
<b>Packaging Materials</b>	Empty containers retain product residue and can be hazardous.
<b>Incompatible Materials</b>	Strong oxidizing agents. Strong acids. Strong bases. Alkali metals. Halogens.

### **8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

#### **Exposure Guidelines**

<b>Chemical Name</b>	<b>ACGIH TLV</b>	<b>OSHA PEL</b>	<b>NIOSH IDLH</b>
1-Methoxy-2-propanol 107-98-2	STEL: 150 ppm TWA: 100 ppm	STEL: 150 ppm STEL: 540 mg/m <sup>3</sup> TWA: 100 ppm TWA: 360 mg/m <sup>3</sup>	STEL: 150 ppm STEL: 540 mg/m <sup>3</sup> TWA: 100 ppm TWA: 360 mg/m <sup>3</sup>
Ethanolamine 141-43-5	STEL: 6 ppm TWA: 3 ppm	STEL: 6 ppm STEL: 15 mg/m <sup>3</sup> TWA: 3 ppm TWA: 8 mg/m <sup>3</sup>	STEL: 6 ppm STEL: 15 mg/m <sup>3</sup> TWA: 3 ppm TWA: 15 mg/m <sup>3</sup>
Odor Mask	No Data	No Data	No Data

#### **Appropriate engineering controls**

<b>Engineering Controls</b>	Apply technical measures to comply with the occupational exposure limits. Local exhaust and mechanical ventilations are recommended to be used as engineering controls.
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#### **Individual protection measures, such as personal protective equipment**

<b>Eye/Face Protection</b>	Risk of contact: Wear approved safety goggles.
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<b>Skin and Body Protection</b>	Wear suitable protective clothing and footwear appropriate for the risk of exposure. Risk of contact: Wear protective gloves.
<b>Respiratory Protection</b>	If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

**General Hygiene Considerations** Handle in accordance with good industrial hygiene and safety practice.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

<b>Physical State</b>	Liquid	<b>Odor</b>	Moderate
<b>Appearance</b>	Liquid	<b>Odor Threshold</b>	Not determined
<b>Property</b>	<b>Values</b>	<b>Remarks • Method</b>	
pH	Not determined		
Melting Point/Freezing Point	Not determined		
Boiling Point/Boiling Range	Not determined		
Flash Point	32.2 °C / 90 °F	Tag Closed Cup	
Evaporation Rate	<1	(butyl acetate = 1)	
Flammability (Solid, Gas)	Not determined		
Upper Flammability Limits	Not determined		
Lower Flammability Limit	Not determined		
Vapor Pressure	Not determined		
Vapor Density	>1	(Air=1)	
Specific Gravity	0.93	(Water = 1)	
Water Solubility	Partially soluble		
Solubility in other solvents	Not determined		
Partition Coefficient	Not determined		
Autoignition Temperature	Not determined		
Decomposition Temperature	Not determined		
Kinematic Viscosity	Not determined		
Dynamic Viscosity	Not determined		
Explosive Properties	Not determined		
Oxidizing Properties	Not determined		
VOC Content (%)	100%		
VOC Content	7.7 lbs/gal		

## 10. STABILITY AND REACTIVITY

### Reactivity

Not reactive under normal conditions.

### Chemical Stability

Stable under recommended storage conditions.

### Possibility of Hazardous Reactions

None under normal processing.

**Hazardous Polymerization** Hazardous polymerization does not occur.

### Conditions to Avoid

Keep out of reach of children. Keep away from heat, sparks and open flame. Contact with incompatible materials.

### Incompatible Materials

Strong oxidizing agents. Strong acids. Strong bases. Alkali metals. Halogens.

**Hazardous Decomposition Products**

Carbon oxides. Nitrogen oxides. Thermal decomposition can lead to release of irritating and toxic gases and vapors.

## 11. TOXICOLOGICAL INFORMATION

**Information on likely routes of exposure****Product Information**

<b>Eye Contact</b>	Causes severe eye irritation.
<b>Skin Contact</b>	Causes skin irritation.
<b>Inhalation</b>	May cause respiratory irritation. May cause drowsiness or dizziness.
<b>Ingestion</b>	Harmful if swallowed.

**Component Information**

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
1-Methoxy-2-propanol 107-98-2	= 5200 mg/kg ( Rat )	= 13000 mg/kg ( Rabbit )	= 54.6 mg/L ( Rat ) 4 h >24 mg/L ( Rat ) 1 h
Ethanolamine 141-43-5	=1720 mg/kg ( Rat )	=1015 mg/kg ( Rabbit )	Extremely destructive to the tissues of the mucous membranes and upper respiratory tract
Odor Mask	No Data	No Data	No Data

**Information on physical, chemical and toxicological effects**

**Symptoms** Please see section 4 of this SDS for symptoms.

**Delayed and immediate effects as well as chronic effects from short and long-term exposure****Carcinogenicity**

Chemical Name	ACGIH	IARC	NTP	OSHA
None				

**Legend**

**ACGIH (American Conference of Governmental Industrial Hygienists)**

A3 - Animal Carcinogen

**IARC (International Agency for Research on Cancer)**

Group 1 - Carcinogenic to Humans

Group 3 IARC components are "not classifiable as human carcinogens"

**NTP (National Toxicology Program)**

Known - Known Carcinogen

**OSHA (Occupational Safety and Health Administration of the US Department of Labor)**

Known - Known Carcinogen

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity**

Chemical Name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
1-Methoxy-2-propanol 107-98-2		20800: 96 h Pimephales promelas mg/L LC50 static 4600 – 10000: 96 h Leuciscus idus mg/L LC50 static		23300: 48 h Daphnia magna mg/L EC50
Ethanolamine 141-43-5	15: 72 h Desmodesmus subspicatus mg/L EC50	227: 96 h Pimephales promelas mg/L LC50		65: 48 h Daphnia magna mg/L EC50
Odor Mask				

**Persistence/Degradability**

Not determined

**Bioaccumulation**

Not determined

**Mobility**

Chemical Name	Partition Coefficient
1-Methoxy-2-propanol 107-98-2	-0.437
Ethanolamine 141-43-5	No Data
Odor Mask	No Data

**Other Adverse Effects**

Not determined

**13. DISPOSAL CONSIDERATIONS**

**Waste Treatment Methods**

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

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

**US EPA Waste Number**

Chemical Name	RCRA	RCRA - Basis for Listing	RCRA - D Series Wastes	RCRA - U Series Wastes
None				

**14. TRANSPORT INFORMATION**

**Note** Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.

**DOT**

**UN/ID No** UN1210  
**Proper Shipping Name** Printing ink related material

**Hazard Class** 3  
**Packing Group** III  
**Emergency Response Guide Number** 129

**IATA**

**UN/ID No** UN1210  
**Proper Shipping Name** Printing ink related material  
**Hazard Class** 3  
**Packing Group** III

**IMDG**

**UN/ID No** UN1210  
**Proper Shipping Name** Printing ink related material  
**Hazard Class** 3  
**Packing Group** III  
**Marine Pollutant** No

**15. REGULATORY INFORMATION**

**International Inventories**

**TSCA** Listed

**Legend:**

- TSCA - United States Toxic Substances Control Act Section 8(b) Inventory*
- DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List*
- EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances*
- ENCS - Japan Existing and New Chemical Substances*
- IECSC - China Inventory of Existing Chemical Substances*
- KECL - Korean Existing and Evaluated Chemical Substances*
- PICCS - Philippines Inventory of Chemicals and Chemical Substances*

**US Federal Regulations**

**CERCLA**

Chemical Name	Hazardous Substances RQs	CERCLA/SARA RQ	Reportable Quantity (RQ)
None			

**SARA 311/312 Hazard Categories**

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

**SARA 313**

Chemical Name	CAS No	Weight-%	SARA 313 - Threshold Values %
None			



**US State Regulations****California Proposition 65**

This product does not contain any Proposition 65 chemicals.

**U.S. State Right-to-Know Regulations**

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Monopropylene glycol methyl ether 107-98-2	X	X	X
Ethanolamine 141-43-5	X	X	X
Odor Mask			

**16. OTHER INFORMATION****NFPA****Health Hazards****Flammability****Instability****Special Hazards**

3

3

0

Not determined

**HMIS****Health Hazards****Flammability****Physical Hazards****Personal Protection**

3

3

0

Not determined

**Issue Date**

13-Mar-2002

**Revision Date:**

29-Jan-2014

**Revision Note**

New format.

**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.

**End of Safety Data Sheet**