

Material Safety Data Sheet

DASCOLENE 2039



1. PRODUCT AND COMPANY IDENTIFICATION

Product Description DASCOLENE 2039

Recommended use Cutting Oil

For use in industrial installations only.

Emergency Telephone Number In Canada, call CANUTEC (24 Hours) 1-613-996-8666
In the USA, call CHEMTREC (24 Hours) 1-800-424-9300
Outside the USA, call CHEMTREC (24 Hours) 1-703-527-3887

Manufacturer / Supplier

D. A. Stuart Company	D. A. Stuart, Inc.
4580 Weaver Parkway	43 Upton Road
Warrenville, Illinois, 60565	Scarborough, Ontario, M1L 2C1
U.S.A.	Canada
1-630-393-0833 (non-emergency)	1-416-757-3226 (non-emergency)

2. COMPOSITION / INFORMATION ON INGREDIENTS

Component materials considered hazardous per national or state/provincial regulatory bodies:

Component	CAS-No	Weight %
Petroleum distillates, solvent dewaxed light paraffinic	64742-56-9	60 - 100

Contains severely-refined mineral oil. See Section 8 for information about oil mists

3. HAZARDS IDENTIFICATION

The information in this Material Safety Data Sheet should be provided to all who will use, handle, store, transport or otherwise be exposed to this product. The D. A. Stuart Company encourages and expects you to read the entire MSDS, and consult appropriate expertise as necessary, to become aware of and fully understand the information contained in this MSDS and of any hazards associated with the product.

CAUTION

Emergency Overview

May cause eye/skin irritation
May cause irritation of respiratory tract
May be harmful if swallowed
Moderate environmental hazard

Potential Health Effects

Principle Routes of Exposure

Eye contact, Skin contact, Inhalation, Ingestion.

Acute Effects

Revision Date 14-Oct-2008

Revision Number 1

DASCOLINE 2030

Eyes	Contact with eyes may cause irritation.
Skin	May cause skin irritation and/or dermatitis.
Inhalation	Inhalation of vapours in high concentration may cause irritation of respiratory system
Ingestion	May be harmful if swallowed. Aspiration hazard if swallowed.
Chronic Effects	Dermatitis. Repeated or prolonged exposure above the NIOSH recommended exposure level (see Section 8) may result in, or aggravation of, upper respiratory irritation, bronchitis, or asthma.
Aggravated Medical Conditions	Skin disorders. Respiratory disorders. See Section 11 for additional Toxicological information.
Interactions with Other Chemicals	No information available
<u>Potential Environmental Effects</u>	
Impact on Environment	This product contains a chemical which is listed as a marine pollutant See Section 12 for additional Ecological information

4. FIRST AID MEASURES

General Advice	Use Universal Precautions. Avoid contact with all unknown materials while aiding victim.
Eye Contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If symptoms persist, call a physician.
Skin Contact	Wash off with warm water and soap. If skin irritation persists, call a physician.
Inhalation	Move to fresh air. If breathing is difficult, give oxygen. If symptoms persist, call a physician.
Ingestion	Clean mouth with water and afterwards drink plenty of water. Call a physician immediately. Do not induce vomiting without medical advice. If symptoms persist, call a physician.
Notes to Physician	Show this safety data sheet to the doctor in attendance. Treat symptomatically.

5. FIRE-FIGHTING MEASURES

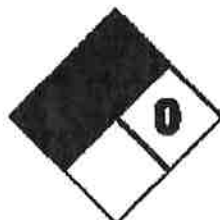
WHMIS Flammable Properties	Product is combustible. Does not meet WHMIS criteria to be controlled as a flammable/combustible material.
Uniform Fire Code	Combustible Liquid: III-B
Suitable Extinguishing Media	Water spray. Carbon dioxide (CO2). Foam. Dry chemical.
Unsuitable Extinguishing Media	Do not use a solid water stream as it may scatter and spread fire
Hazardous Combustion Products	Carbon monoxide, Carbon dioxide (CO2), Sulfur Oxides, Hydrogen Sulfide, Hydrogen Chloride.
Lower Flammability Limit in Air	No information available
Upper Flammability Limit in Air	No information available

Revision Date 14-Oct-2008

Revision Number 1

DASCOLENE 2039

Autoignition Temperature	No information available
Impact sensitivity	No
Sensitivity to static discharge	Static Accumulator
Specific Hazards Arising from the Chemical	Thermal decomposition can lead to release of irritating gases and vapours.
Protective Equipment and Precautions for Firefighters	Standard procedure for chemical fires. Wear self-contained breathing apparatus and protective suit.
NFPA Graphic	



Health
Flammability
Instability

1
1
0

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions	Avoid contact with the skin and the eyes. Use personal protective equipment. Ensure adequate ventilation. Keep people away from and upwind of spill/leak.
Environmental Precautions	Prevent further leakage or spillage if safe to do so. Prevent product from entering drains. Do not flush into surface water or sanitary sewer system. Local authorities should be advised if significant spillages cannot be contained.
Methods for Containment	Dam up. Soak up with inert absorbent material
Methods for Cleaning Up	Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Sweep up and shovel into suitable containers for disposal. Keep in suitable and closed containers for disposal. Clean contaminated surface thoroughly. Prevent product from entering drains.

7. HANDLING AND STORAGE

Handling	Handle in accordance with good industrial hygiene and safety practice. Keep away from open flames, hot surfaces and sources of ignition. Use only in area provided with appropriate exhaust ventilation. Avoid contact with skin, eyes and clothing. Do not breathe vapours or spray mist. Ensure adequate ventilation. Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling. Remove and wash contaminated clothing before re-use. Do not take clothing home to be laundered.
Storage	Store in accordance with local regulations. Keep in properly labelled containers. Keep in an area equipped with sprinklers. Keep away from heat and sources of ignition. Keep containers tightly closed in a dry, cool and well-ventilated place.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Revision Date 14-Oct-2008

Revision Number 1

DASCOLENE 2039

Exposure Guidelines**Other Exposure Guidelines**

If oil mists are generated, the following exposure limits apply:
ACGIH STEL 10 mg/m³, TWA 5 mg/m³ and OSHA PEL 5 mg/m³.

The National Institute of Occupational Safety and Health (NIOSH) has established a Recommended Exposure Level (REL) of 0.5 mg/m³, total particulate mass, as a time-weighted average for up to 10 hr/day during a 40-hr week, for metalworking fluid mists.

Note: Personal protective equipment (PPE) requirements are related to conditions of use, which cannot be suitably predicted by the product manufacturer. Determination of necessary PPE is the responsibility of the employer/user, based on assessment and knowledge of the employer's processes and environment. In every circumstance of chemical exposure, the employer shall limit employee exposures first by implementing effective engineering controls, and second by implementing administrative controls. PPE shall be used diligently by employees when engineering and administrative controls do not fully prevent chemical exposure.

Engineering Measures

Ensure adequate ventilation, especially in confined areas

Personal Protective Equipment

Ask supervisor or safety specialist for handling instructions

General Hygiene Considerations

Handle in accordance with good industrial hygiene and safety practice

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Light
Color	Amber
Physical State	Liquid
Odor	Slight Petroleum
Odor Threshold	No information available
pH	No data available
Flash Point	> 171°C / > 340°F
Boiling Point/Range	No information available
Melting Point/Range	No information available
Explosive Properties	No information available
Evaporation Rate	No data available
Vapour Pressure	No information available
Vapour Density	Heavier than air
Specific Gravity	0.870
Molecular Weight	No data available
Water Solubility	Insoluble
Partition Coefficient (water/oil)	No data available

10. STABILITY AND REACTIVITY

Chemical Stability	Stable under normal conditions. Hazardous polymerization does not occur.
Conditions to Avoid	Keep away from open flames, hot surfaces and sources of ignition
Incompatible Products	Strong oxidizing agents.
Hazardous Decomposition Products	None under normal use
Possibility of Hazardous Reactions	None under normal processing

Revision Date 14-Oct-2008

Revision Number 1

DASCOLENE 2039

11. TOXICOLOGICAL INFORMATION

Acute Toxicity

Product Information:

Irritation	No information available
Corrosivity	No information available
Sensitization	No information available
LD50 Oral:	No information available
LD50 Dermal:	No information available
LC50 Inhalation:	No information available
NIOSH IDLH:	No information available

Component	LD50 Oral	LD50 Dermal	LC50 Inhalation
Petroleum distillates, solvent dewaxed light paraffinic	5000 mg/kg (Rat)	2000 mg/kg (Rabbit)	2.18 mg/L (Rat) 4 h

Chronic Toxicity

Product Information:

Carcinogenicity	There are no known carcinogenic chemicals in this product
Carcinogenic Substances	This product contains less than 1% short chain (C10-13) chlorinated paraffin, which in some animal studies, at high concentrations, has shown carcinogenic effects.
Mutagenic Effects	No information available
Reproductive Effects	No information available
Developmental Effects	No information available
Teratogenicity	No information available
Synergistic Products	No information available
Target Organs	No information available

12. ECOLOGICAL INFORMATION

Ecotoxicity

Component	Freshwater Algae	Freshwater Fish	Microtox	Water Flea
Petroleum distillates, solvent dewaxed light paraffinic		LC50> 5000 mg/L Pimephales promelas 96 h		EC50 > 1000 mg/L 48 h

Persistence and Degradability	No information available
Bioaccumulation	No information available
Mobility in Environmental Media	No information available

Revision Date 14-Oct-2008

Revision Number 1

DASCOLENE 2039

Marine Pollutant YES

13. DISPOSAL CONSIDERATIONS

Waste Disposal Methods Dispose of in accordance with local regulations
Contaminated Packaging Empty containers should be taken for local recycling, recovery or waste disposal
US EPA Waste Number No information available

14. TRANSPORT INFORMATION

DOT Not regulated
TDG Not regulated
Mexico Not regulated
ICAO/IATA Not regulated
IMDG/IMO
UN-No 3082
Hazard Class 9
Packing Group III
Marine Pollutant YES
Shipping Description UN3082, Environmentally hazardous substance, liquid, n.o.s. (Contains Chlorinated Paraffins), Class 9, PG III, Marine Pollutant

15. REGULATORY INFORMATIONU.S. Federal RegulationsOSHA Regulatory Status

This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200)

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA): This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40(n) of the Code of Federal Regulations, Part 372.

SARA 311/312Hazardous Categorization

Acute Health Hazard
Chronic Health Hazard
Fire Hazard
Reactive Hazard

Yes
No
No
No

Revision Date 14-Oct-2008

Revision Number 1

DASCOLENE 2039

Sudden Release of Pressure Hazard

No

U.S. State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals.

State Right-to-Know Information

Component	Massachusetts	New Jersey	Pennsylvania	Illinois	Rhode Island
Petroleum distillates, solvent dewaxed light paraffinic	X				

Other International Regulations

Mexico

Mexico - Grade

Slight risk, Grade 1

Canada

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

WHMIS Hazard Class

Non-controlled

International Inventories

TSCA	Complies
DSL / NDSL	Complies
EINECS/ELINCS	Complies
ENCS	Not determined/Information not available
CHINA	Complies
KECL	Complies
PICCS	Complies
AICS	Complies

Revision Date 14-Oct-2008

Revision Number 1

DASCOLENE 2039

16. OTHER INFORMATION

Health Hazard	1
Fire Hazard	1
Reactivity	0

HMS® ratings involve data interpretations that may vary from company to company. They are intended only for rapid, general identification of the magnitude of the specific hazard. To deal adequately with the safe handling of this material, all the information contained in this MSDS must be considered.

The National Institute of Safety and Health (NIOSH) has published Criteria for a Recommended Standard: Occupational Exposure to Metalworking fluids (DHHS Publication 98-102), available at: <http://www.cdc.gov/niosh/98-102.html>. Consult this Criteria Document for specific information about any adverse health effects associated with occupational exposure to metalworking fluids.

Prepared ByHS&E Department, D. A. Stuart, Warrenville (1-830-393-8514) hse@dastuart.net**Preparation Date** 22-Feb-2008

14111

Revision Date 14-Oct-2008**Revision Number** 1**Reason for revision** No information available

This MSDS is intended to meet the specific requirements of 29 CFR 1910.1200 (U.S.A.), Hazardous Products Act and Controlled Product Regulations (Canada), NOM 018 STPS 2000 (Mexico), and ANSI Z400.1-2004, and should be used accordingly. While the information has been obtained from sources believed to be accurate and reliable, no warranty, expressed or implied, can be made with regard to its completeness, correctness or accuracy. It is offered for your consideration, investigation and verification. The information presented here pertains only to the product as shipped. Some of the information presented and conclusions drawn herein are from sources other than direct test data on the product. Since conditions for use of the product are not under control of the manufacturer, it is the buyer's/user's duty to determine the conditions necessary for the safe use of the product. Final determination of suitability of any material is the sole responsibility of the user. Any users or handlers of this product who are not under the direct control of D. A. Stuart Company are responsible for evaluating this information in light of their particular situation, and are responsible for all losses, damages or expenses that result while this material is under their control. It is also the responsibility of the users and handlers to observe any and all laws and regulations (federal, state, provincial, and local) concerning the transportation, use, handling, storage, and disposal of this product.

End of MSDS