



SAFETY DATA SHEET

1. Identification

Product identifier ARGATROBAN INJECTION

Other means of identification

Synonyms ARGATROBAN INJECTION CONCENTRATE 100 MG/ML * ARGATROBAN, FORMULATED PRODUCT * SKF-105043, FORMULATED PRODUCT * NDC NO. 0007-4407-01

Recommended use of the chemical and restrictions on use

Recommended use Medicinal Product.

This safety data sheet is written to provide health, safety and environmental information for people handling this formulated product in the workplace. It is not intended to provide information relevant to medicinal use of the product. In this instance patients should consult prescribing information/package insert/product label or consult their pharmacist or physician. For health and safety information for individual ingredients used during manufacturing, refer to the appropriate safety data sheet for each ingredient.

Restrictions on use No other uses are advised.

Details of manufacturer or importer

Manufacturer

GlaxoSmithKline Australia
1061 Mountain Highway
Melbourne, Victoria 3155
Australia
Australia General Information (Normal Business Hours): (03) 9721 6000

TRANSPORTATION EMERGENCY NUMBERS
(available 24hrs/7days: multi-language response)
Australia Toll Free +(61) 2 9037 2994
International Toll Call +(1) 703 527 3887

2. Hazard(s) identification

Classification of the hazardous chemical

Exempt from requirements - product regulated as a medicinal product, cosmetic product or medical device.

Label elements, including precautionary statements

Exempt from requirements - product regulated as a medicinal product, cosmetic product or medical device.

Other hazards which do not result in classification

Exempt from requirements - product regulated as a medicinal product, cosmetic product or medical device.

3. Composition/information on ingredients

Mixture

Identity of chemical ingredients	CAS number and other unique identifiers	Concentration of ingredients
ETHANOL	64-17-5	38
ALCOHOL ANHYDROUS		
ANHYDROUS ETHANOL		
ANHYDROUS ETHYL ALCOHOL		
ETHANOL 200 PROOF		
Ethyl alcohol		
ETHYL ALCOHOL USP 200 PROOF (USI)		
ETHYL ALCOHOL, 100%		
ETHYL HYDROXIDE		
GRAIN ALCOHOL		
ETHANOL		

ARGATROBAN, BULK ACTIVE SKF-105043 (2R,4R)-4-METHYL-1-[N2-(3-METHYL-1,2,3,4-TETRAHYDRO-8-QUINOLINE SULFONYL)-L- ARGINYL]-2-PIPERIDINECARBOXYLIC ACID 1-[5-[AMINOIMINOMETHYL)AMINO]-1-OXO-2-[[1,2,3,4-TETRAHYDRO-3-METHYL-8-QUINOLINYL)SULFONYL]AMINO]PENTYL]-4-METHYL-2-PIPERIDINECARBOXYLIC ACID	74863-84-6	10
--	------------	----

Other components below reportable levels

52

4. First-aid measures

Description of necessary first aid measures

Inhalation	Move to fresh air. If breathing is difficult, trained personnel should give oxygen. Call a physician if symptoms develop or persist. Under normal conditions of intended use, this material is not expected to be an inhalation hazard.
Skin contact	Immediately flush skin with plenty of water. Take off contaminated clothing and wash before reuse. Get medical attention if symptoms occur.
Eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
Ingestion	If swallowed, rinse mouth with water (only if the person is conscious). If ingestion of a large amount does occur, call a poison control centre immediately. Do not induce vomiting without advice from poison control center.

Personal protection for first-aid responders In the case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

Symptoms caused by exposure Direct contact with eyes may cause temporary irritation.

Medical attention and special treatment No specific antidotes are recommended. Treat according to locally accepted protocols. For additional guidance, refer to the current prescribing information or to the local poison control information centre.

5. Fire-fighting measures

Extinguishing media

Suitable extinguishing media	Foam. Dry chemical powder. Carbon dioxide (CO2).
Unsuitable extinguishing media	Water.

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

Special protective equipment and precautions for fire fighters Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

Fire fighting equipment/instructions Move containers from fire area if you can do so without risk.

Hazchem Code Not available.

General fire hazards Flammable liquid and vapour.

Specific methods Use standard firefighting procedures and consider the hazards of other involved materials.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

For non-emergency personnel Keep unnecessary personnel away. Keep upwind. Keep out of low areas. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Wear appropriate protective equipment and clothing during clean-up. Avoid breathing mist or vapour. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8.

For emergency responders Keep unnecessary personnel away. Wear appropriate protective equipment and clothing during clean-up. Use personal protection recommended in Section 8 of the SDS.

Environmental precautions Avoid discharge into drains, water courses or onto the ground.

Methods and materials for containment and cleaning up

Keep combustibles (wood, paper, oil etc) away from spilled material.

Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Prevent entry into waterways, sewer, basements or confined areas. Following product recovery, flush area with water.

Small Spills: Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. Clean surface thoroughly to remove residual contamination.

Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.

7. Handling and storage**Precautions for safe handling**

Keep away from sources of ignition - No smoking. Do not handle, store or open near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight. When using do not smoke. Avoid breathing mist or vapour. Avoid contact with eyes. Avoid prolonged exposure. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.

Conditions for safe storage, including any incompatibilities

Keep away from heat, sparks and open flame. Store in a cool, dry place out of direct sunlight. Store in original tightly closed container. Store in a well-ventilated place. Keep in an area equipped with sprinklers. Store away from incompatible materials (see Section 10 of the SDS).

8. Exposure controls and personal protection**Control parameters**

Follow standard monitoring procedures.

Occupational exposure limits**GSK****Components****Type****Value**

ARGATROBAN (CAS 74863-84-6)

8 HR TWA

80 mcg/m3

OHC

3

Australia. National Workplace OELs (Workplace Exposure Standards for Airborne Contaminants, Appendix A)**Components****Type****Value**

ETHANOL (CAS 64-17-5)

TWA

1880 mg/m3
1000 ppm

Australia. OELs. (Adopted National Exposure Standards for Atmospheric Contaminants in the Occupational Environment)**Components****Type****Value**

ETHANOL (CAS 64-17-5)

TWA

1880 mg/m3
1000 ppm

US. ACGIH Threshold Limit Values**Components****Type****Value**

ETHANOL (CAS 64-17-5)

STEL

1000 ppm

UK. EH40 Workplace Exposure Limits (WELs)**Components****Type****Value**

ETHANOL (CAS 64-17-5)

TWA

1920 mg/m3
1000 ppm

Germany. DFG MAK List (advisory OELs). Commission for the Investigation of Health Hazards of Chemical Compounds in the Work Area (DFG)**Components****Type****Value**

ETHANOL (CAS 64-17-5)

TWA

960 mg/m3
500 ppm

Biological limit values

No biological exposure limits noted for the ingredient(s).

Exposure guidelines**Appropriate engineering controls**

General ventilation normally adequate.

Individual protection measures, for example personal protective equipment (PPE)**Eye/face protection**

If contact is likely, safety glasses with side shields are recommended.

Skin protection	
Hand protection	For prolonged or repeated skin contact use suitable protective gloves.
Other	Wear suitable protective clothing as protection against splashing or contamination.
Respiratory protection	When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.
Thermal hazards	Wear appropriate thermal protective clothing, when necessary.
Hygiene measures	Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. For advice on suitable monitoring methods, seek guidance from a qualified environment, health and safety professional.

9. Physical and chemical properties

Appearance

Physical state	Liquid.
Form	Vial.
Colour	Not available.
Odour	Not available.
Odour threshold	Not available.
pH	Not available.
Melting point/freezing point	Not available.
Initial boiling point and boiling range	> 79 °C (> 174.2 °F) (Estimation based on components).
Flash point	26 °C (78.8 °F) Closed cup (Estimation based on components).
Evaporation rate	Not available.
Flammability (solid, gas)	Not available.
Upper/lower flammability or explosive limits	
Flammability limit - lower (%)	Not available.
Flammability limit - upper (%)	Not available.
Explosive limit - lower (%)	Not available.
Explosive limit – upper (%)	Not available.
Vapour pressure	Not available.
Vapour density	Not available.
Relative density	Not available.
Solubility(ies)	
Solubility (water)	Not available.
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
Viscosity	Not available.

10. Stability and reactivity

Reactivity	The product is stable and non-reactive under normal conditions of use, storage and transport.
Chemical stability	Material is stable under normal conditions.
Possibility of hazardous reactions	No dangerous reaction known under conditions of normal use.
Conditions to avoid	Avoid heat, sparks, open flames and other ignition sources. Avoid temperatures exceeding the flash point. Contact with incompatible materials.
Incompatible materials	Strong oxidising agents.

Hazardous decomposition products None known. Irritating and/or toxic fumes and gases may be emitted upon the product's decomposition.

11. Toxicological information

Information on possible routes of exposure

Inhalation Under normal conditions of intended use, this material is not expected to be an inhalation hazard.
Skin contact Health injuries are not known or expected under normal use.
Eye contact Causes serious eye irritation.
Ingestion Health injuries are not known or expected under normal use. May be harmful if swallowed. However, ingestion is not likely to be a primary route of occupational exposure.

Symptoms related to exposure Direct contact with eyes may cause temporary irritation.

Acute toxicity Expected to be a low hazard for usual industrial or commercial handling by trained personnel.

Components	Species	Test results
ARGATROBAN, BULK ACTIVE (CAS 74863-84-6)		
Acute		
<i>Oral</i>		
LD50	Rat	> 15000 mg/kg
ETHANOL (CAS 64-17-5)		
Acute		
<i>Oral</i>		
LD50	Rat	> 2000 mg/kg
Chronic		
<i>Oral</i>		
LOAEL	Monkey	40 %, 48 months % ingested calories
Subacute		
<i>Oral</i>		
LOEL	Rat	16.9 g/kg, 4 weeks Dietary - Dose given as g/kg/day 6 %, 4 weeks percent in diet - continuous
Subchronic		
<i>Inhalation</i>		
LOEL	Rat	2 ml, 36 weeks haematological parameters
NOAEL	Guinea pig	3000 ppm No adverse effects
	Rat	86 mg/m ³ , 90 Day Daily dosing
<i>Oral</i>		
LOAEL	Rat	5000 mg/kg/day, 10 weeks Liver toxicity 80 ml/kg, 85 Day Daily dose - Liver toxicity 10.2 g/kg, 12 weeks Dosed in drinking water - Continuous 7.7 g/kg, 12 weeks Dosed in drinking water - continuous

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

Skin corrosion/irritation Health injuries are not known or expected under normal use.

Corrosivity
ETHANOL

OECD 404
Result: Negative; not considered a significant irritant
Species: Rabbit

Irritation Corrosion - Skin
ARGATROBAN, BULK ACTIVE

Acute dermal irritation; OECD 404, Primary Irritation Index: 0
Result: negative
Species: Rabbit

Serious eye damage/irritation Causes serious eye irritation.

Eye

ARGATROBAN, BULK ACTIVE

IRE Assay

Result: Negative; not likely to be a severe irritant

ETHANOL

OECD 405

Result: Severe

Species: Rabbit

Respiratory or skin sensitisation**Skin sensitisation**

This product is not expected to cause skin sensitisation.

Sensitisation

ARGATROBAN, BULK ACTIVE

Local lymph node assay, Maximum concentration = 25%;
vehicle = DMF

Result: negative

Species: Mouse

ETHANOL

OECD 406

Result: negative

Species: Guinea pig

Germ cell mutagenicity

No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

Mutagenicity

ETHANOL

Ames

Result: negative

ARGATROBAN, BULK ACTIVE

Ames Assay, Literature data

Result: negative

ETHANOL

Chromosomal Aberration Assay In Vitro, CHO cells

Result: negative

ARGATROBAN, BULK ACTIVE

Chromosomal aberration assay - Chinese hamster lung
fibroblasts, Literature data

Result: negative

ETHANOL

Dominant lethal assay

Result: positive

Species: Mouse

Dominant lethal assay

Result: positive

Species: Rat

Gene mutation and repair

Result: negative

Species: Bacteria

Gene mutation and repair

Result: positive

Species: Bacteria

In vitro cytogenetics assay

Result: positive

In vitro cytogenetics assay

Result: positive

Species: Aspergillus niger

L5178Y mouse lymphoma thymidine kinase locus assay

Result: Weakly positive

ARGATROBAN, BULK ACTIVE

Mammalian cell mutation assay (CHO/HGPRT forward
mutation assay), Literature data

Result: negative

Micronucleus Assay, Literature data

Result: negative

Species: Mouse

Unscheduled DNA Synthesis in vitro (WI-38 lung fibroblasts),
Literature data

Result: negative

Unscheduled DNA Synthesis, in vivo - in vitro (hepatocytes),
Literature data

Result: negative

ETHANOL

Yeast mutation

Result: negative

Yeast mutation

Result: positive

in vitro micronucleus assay

Result: negative

Mutagenicity
ETHANOL

in vivo cytogenetics assay
Result: negative
Species: Hamster
in vivo cytogenetics assay
Result: negative
Species: Rat
in vivo cytogenetics assay
Result: positive
Species: Mouse
sister chromatid exchange
Result: positive

Carcinogenicity
ETHANOL

Carcinogenic effects are not expected as a result of occupational exposure.

0, inadequate study
Result: Increase in liver sarcomas
Species: Mouse
0, inadequate study
Result: Time to tumour reduced
Species: Mouse
Test Duration: 80 weeks
0, inadequate study
Result: negative
Species: Hamster
Test Duration: 807 Day
0, inadequate study
Result: negative
Species: Mouse
Test Duration: 1020 Day
0, inadequate study
Result: negative
Species: Rat
0, inadequate study
Result: negative
Species: Rat
Test Duration: 78 weeks
Epidemiology, causation linked to excessive consumption.
Species: Human
Organ: oral cavity, larynx, pharynx, oesophagus, liver
Neonatal, inadequate study
Result: negative
Species: Rat

Reproductive toxicity

This product is not expected to cause reproductive or developmental effects.

Specific target organ toxicity - single exposure

May cause drowsiness and dizziness.

Specific target organ toxicity - repeated exposure

Not classified.

Aspiration hazard

Not established.

Chronic effects

Prolonged inhalation may be harmful.

Other information

Caution - Pharmaceutical agent. Occupational exposure to the substance or mixture may cause adverse effects.

12. Ecological information

Ecotoxicity

The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Components

Species

Test results

ARGATROBAN, BULK ACTIVE (CAS 74863-84-6)

Acute

IC50	Activated sludge	> 1000 mg/l, 3 hours Nominal
NOEC	Activated sludge	1000 mg/l, 3 hours

Components		Species	Test results
Aquatic			
<i>Acute</i>			
Algae	EC50	Green algae (<i>Scenedesmus subspicatus</i>)	> 100 mg/l, 72 hours Measured
	NOEC	Algae	100 mg/l, 72 hours
Crustacea	EC50	Water flea (<i>Daphnia magna</i>)	52 mg/l, 48 hours Measured
	NOEC	Daphnia	5.6 mg/l, 48 hours
Fish	EC50	Rainbow trout (Juvenile <i>Oncorhynchus mykiss</i>)	> 100 mg/l, 96 hours Measured
	NOEC	Rainbow trout (Juvenile <i>Oncorhynchus mykiss</i>)	100 mg/l, 96 hours

ETHANOL (CAS 64-17-5)

Aquatic

Acute

Algae	EC50	Blue-green algae (<i>Microcystis aeruginosa</i>)	1450 mg/l, 72 hours
Crustacea	EC50	Water flea (<i>Daphnia magna</i>)	9190 mg/l, 48 hours Static test
Fish	EC50	Fathead minnow (Adult <i>Pimephales promelas</i>)	14200 mg/l, 96 hours Flow-through test
		Rainbow trout (Adult <i>Salmo gairdneri</i>)	13000 mg/l, 96 hours Static test

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

Persistence and degradability

Photolysis

Half-life (Photolysis-aqueous)

ETHANOL 1 - 36.6 years Measured

Half-life (Photolysis-atmospheric)

ETHANOL 4 - 5.9 Days Estimated

Biodegradability

Percent degradation (Aerobic biodegradation-inherent)

ARGATROBAN, BULK ACTIVE 10 %, 28 days Modified Zahn-Wellens, DOC removal., Activated sludge
8 %, 28 days Modified Zahn-Wellens, primary biodegradation, loss of parent., Activated sludge
ETHANOL 37 - 86 %, 5 days BOD5, Activated sludge

Bioaccumulative potential

Partition coefficient

n-octanol / water (log Kow)

ARGATROBAN, BULK ACTIVE 2.05 (Calculated).
ETHANOL -0.31

Mobility in soil No data available for this product.

Adsorption

Soil/sediment sorption - log Koc

ETHANOL 1.2 Calculated

Mobility in general

Volatility

Henry's law

ETHANOL 0.000005 atm m³/mol Measured

Other adverse effects Not available.

13. Disposal considerations

Disposal methods

Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Do not discharge into drains, water courses or onto the ground. Dispose in accordance with all applicable regulations.

Residual waste 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). Avoid discharge into water courses or onto the ground.

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.

14. Transport information

ADG

UN number 1170
UN proper shipping name ETHANOL (ETHYL ALCOHOL) or ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)
Transport hazard class(es)
Class 3
Subsidiary risk -
Packing group III
Environmental hazards Not available.
Hazchem Code •2YE
Special precautions for user Not available.

IATA

UN number 1170
UN proper shipping name Ethanol solution
Transport hazard class(es)
Class 3
Subsidiary risk -
Packing group III
Environmental hazards No.
ERG Code 3L
Special precautions for user Not available.
Other information
Passenger and cargo aircraft Allowed.
Cargo aircraft only Allowed.

IMDG

UN number 1170
UN proper shipping name ETHANOL (ETHYL ALCOHOL) or ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION) (ARGATROBAN INJECTION)
Transport hazard class(es)
Class 3
Subsidiary risk -
Label(s) 3
Packing group II
Environmental hazards
Marine pollutant No.
EmS F-E, S-D
Special precautions for user Not available.
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not available.

ADG



IATA; IMDG



General information

Classifications are for the material when offered for transport as fully regulated. Depending on the specific transport details (Ship-From/Ship To locations, quantities being shipped, type of packaging and mode of transport) it may be possible to ship this material in a manner other than fully regulated. (One example is IATA Limited or Excepted Quantity. There are others.) Be sure to review all regulatory agency packaging instructions and special provisions, referenced in this section, to identify options applicable to the specifics of your shipment.

15. Regulatory information

Safety, health and environmental regulations

National regulations

This Material Safety Data Sheet was prepared in accordance with the Australia National Code of Practice for the Preparation of Material Safety Data Sheets (NOHSC: 2011.)

Australia Medicines & Poisons Appendix A

Poisons schedule number not allocated.

Australia Medicines & Poisons Appendix B

ETHANOL (CAS 64-17-5)

Low toxicity. General: Any use

Use pattern restricts hazard. Human therapeutic use

Australia Medicines & Poisons Appendix C

Poisons schedule number not allocated.

Australia Medicines & Poisons Appendix D

Poisons schedule number not allocated.

Australia Medicines & Poisons Appendix E

Poisons schedule number not allocated.

Australia Medicines & Poisons Appendix F

Poisons schedule number not allocated.

Australia Medicines & Poisons Appendix G

Poisons schedule number not allocated.

Australia Medicines & Poisons Appendix H

Poisons schedule number not allocated.

Australia Medicines & Poisons Appendix I

Poisons schedule number not allocated.

Australia Medicines & Poisons Appendix J

Poisons schedule number not allocated.

Australia Medicines & Poisons Appendix K

Poisons schedule number not allocated.

Australia Medicines & Poisons Schedule 2

Poisons schedule number not allocated.

Australia Medicines & Poisons Schedule 3

Poisons schedule number not allocated.

Australia Medicines & Poisons Schedule 4

Poisons schedule number not allocated.

Australia Medicines & Poisons Schedule 5

Poisons schedule number not allocated.

Australia Medicines & Poisons Schedule 6

Poisons schedule number not allocated.

Australia Medicines & Poisons Schedule 7

Poisons schedule number not allocated.

Australia Medicines & Poisons Schedule 8

Poisons schedule number not allocated.

Australia Medicines & Poisons Schedule 9

Poisons schedule number not allocated.

Australia National Pollutant Inventory (NPI): Threshold quantity

ETHANOL (CAS 64-17-5) 10 TONNES/YR Threshold Category: 1

High Volume Industrial Chemicals (HVIC)

ETHANOL (CAS 64-17-5) 10000 - 99999 TONNES See the regulation for additional information.

Importation of Ozone Deleting Substances (Customs(Prohibited imports) Regulations 1956, Schedule 10)

Not listed.

National Pollutant Inventory (NPI) substance reporting list

Not listed.

Prohibited Carcinogenic Substances

Not regulated.

Prohibited Substances (National Model Regulation for the control of Workplace Hazardous Substances, Schedule 2 NOHSC:1005 (1994) as amended)

Not listed.

Restricted Importation of Organochlorine Chemicals (Customs(Prohibited Imports) Regulations 1956, Schedule 9)

Not listed.

Restricted Carcinogenic Substances

Not regulated.

International regulations**Stockholm Convention**

Not applicable.

Rotterdam Convention

Not applicable.

Kyoto protocol

Not applicable.

Montreal Protocol

Not applicable.

Basel Convention

Not applicable.

International Inventories

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	No
Canada	Domestic Substances List (DSL)	No
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	No
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	No
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	No
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	No

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

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

16. Other information

Issue date	11-May-2015
Revision date	11-May-2015
References	GSK Hazard Determination

Disclaimer

The information and recommendations in this safety data sheet are, to the best of our knowledge, accurate as of the date of issue. Nothing herein shall be deemed to create any warranty, express or implied. It is the responsibility of the user to determine the applicability of this information and the suitability of the material or product for any particular purpose.

Revision Information

Product and Company Identification: Product and Company Identification
Composition / Information on Ingredients: Ingredients
Exposure Controls / Personal Protection:
Physical & Chemical Properties: Multiple Properties
Toxicological Information: Genetic Tox and Carcinogen
Ecological Information: Ecotoxicity
Transport Information: Proper Shipping Name/Packing Group