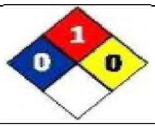
Speedball®

Safety Data Sheet

40309-1002

Transport Symbol(s)	WHMIS	NFPA	Personal Protective Equipment
Not controlled	Not controlled		

Original Preparation Date: 11-08-2017 **Revision Date:** 11-08-2017 **Revision Number:** 2

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

Product Name:
Akua® Blending Medium

Use of the Substance/ Preparation:
For industrial use only

Contact Manufacturer:
Speedball Art Products Company
2301 Speedball Rd
Statesville, NC 28677
Telephone Number: (+1) 800-898-7224
Emergency response telephone number:
Chemtrec 1-800-424-9300 (CCN 1635)

2. HAZARDS IDENTIFICATION

Emergency Overview

Health injuries are not known or expected under normal use.

Appearance	Physical State	Odor
Clear Colorless	Viscous liquid	Odorless

This product is NOT classified as hazardous according to 29 CFR 1910, amended to conform to the United Nations' Globally Harmonized System of Classification and Labelling of Chemicals (OSHA/ GHS); SOR/88 -66, the Canadian Controlled Products Regulations (CPR); and/or NOM-002-SCT-2003 (Mexico).

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Family Glycols
Molecular Formula C3Hs02

Non-hazardous Comoonen s

Chemical Name	CAS-No	Weight%	North American Hazard Indicator
1,2-Propylene glycol	57-55-6	>= 99.0	(Present on Canadian Hazardous Products Act Ingredient Disclosure List).
Water	7732-18-5	0.2	None known.

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4. FIRST AID MEASURES

Description of first aid measures
Eye Contact Rinse thoroughly with plenty of water, also under the eyelids.
Skin Contact Wash off with soap and plenty of water.
Inhalation Move to fresh air.
Ingestion Clean mouth with water and afterwards drink plenty of water.
General Advice When symptoms persist or in all cases of doubt seek medical advice.

Most important symptoms and affects, both acute and delayed
Eyes Contact with eyes may cause irritation.
Skin May cause slight skin irritation. Repeated exposure may cause skin dryness or cracking. Contact with product at elevated temperatures can result in thermal burns.
Inhalation Avoid breathing vapors or mists. Inhalation of aerosol may cause irritation to respiratory tract.
Ingestion Health injuries are not known or expected under normal use. May be harmful if swallowed. (dependent on amounts)

Indication of any immediate medical attention and special treatment needed
Notes to Physician Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Flammable Properties
Material may pose fire hazard because it is dispersed (or spread) by water.

Extinguishing media
Suitable Extinguishing Media Dry powder. Alcohol-resistant foam. Carbon dioxide (CO2). Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Unsuitable Extinguishing Media Do not use a solid water stream as it may scatter and spread fire.

Special hazards arising from the substance or mixture

Hazardous Combustion Products	Thermal decomposition can lead to release of irritating gases and vapors, Carbon monoxide (CO), Carbon dioxide (CO2).
Specific Hazards Arising from the Chemical	Vapors are heavier than air and may spread along floors. The pressure in sealed containers can increase under the influence of heat. Fire or intense heat may cause violent rupture of packages.
Sensitivity to mechanical impact	No information available.
Sensitivity to static discharge	No information available.

Advice for fire-fighters
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.

NFPA

Health 0
Flammability
Stability and Reactivity 0
Physical hazard None known

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment, and Emergency Procedures
Ensure adequate ventilation. Avoid high pressure washing or generation of aerosols. Use personal protective equ ipment. Mater ial can create slippery conditions.
Environmental Precautions
Prevent further leakage or spillage if safe to do so.
Methods and Materials for Containment and Cleaning Up
Clean-up methods - small spillage. Soak up with inert absorbent material. Pick up and transfer to properly labelled containers. Clean contaminated surface thoroughly. Clean-up methods - large spillage. Dam up. Take up mechanically and collect in suitable container for disposal.

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7. HANDLING AND STORAGE

Handling
Ensure adequate ventilation.
Storage
Keep in a dry place. Keep in properly labelled containers. Keep containers dry and tightly closed to avoid moisture absorptio n and contamination. To maintain product quality, do not store in heat or direct sunlight. Keep at temperature not exceeding 40 °C / 104°F.

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

Exposure Limits
This product is not known to contain any hazardous materials with occupational exposure limits established by the region spec ific regulatory bodies.

Appropriate Engineering Controls	Ensure adequate ventilation, especially in confined areas.
General Hygiene Considerations	Handle in accordance with good industrial hygiene and safety practice. When using, do not eat, drink or smoke.

Personal Protective Equipment

Eye/face Protection.	Safety glasses with side-shields. If splashes are likely to occur, wear goggles
Skin and Body Protection	Chemical resistant gloves made of butyl rubber or nitrile rubber.
Respiratory Protection	In case of mist, spray or aerosol exposure wear suitable personal respiratory protection and protective suit.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Clear Colorless
Physical State	Viscous liquid
Odor	Odorless
Odor Threshold	No information available
pH	approx 7
Flash Point	99 °C / 210 °F (Cleveland Open cup)
Autoignition Temperature	371 °C / 700 °F
Boiling point	Approx. 188 °C / 370 °F (760 torr)
Melting/Freezing Point	Approx. -60 °C / -76 °F
Decomposition temperature	No information available
Oxidizing Properties	No information available
Flammability Limits in Air	Upper: 12.6 Lower: 2.6 (25°C,760 mmHg)
Molecular Weight	76.09 g/mol
Water Solubility	Miscible
Solubility(ies)	Soluble in: essential oils. Miscible with: Acetone and chloroform. Immiscible with fixed oils.
Evaporation Rate	< 0.01 [Butyl acetate = 1.0]
Vapor Pressure	0.08 mmHg at 20 °C
Vapor Density	2.6 (Air= 1.0)
Specific Gravity/ Relative Density	1.04 20°C (H20 = 1)
Partition Coefficient (n-octanol/water)	No information available

10. STABILITY AND REACTIVITY

Stability Stable under normal conditions.
Possibility of Hazardous Reactions Hazardous polymerization does not occur.
Conditions to Avoid Extremes of temperature and direct sunlight.
Incompatible Materials No materials to be especially mentioned.
Hazardous Decomposition Products Thermal decomposition can lead to release of irritating gases and vapors. Carbon monoxide (CO). Carbon dioxide (CO2).

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects

cute toxicity	Based on available data, the classification criteria are not met.			
Chemical Name	**Weight** %	**LD50 Oral**	**LD50 Dermal**	**LC50 Inhalation**
1,2-Propylene glycol	>= 99.0	20000 mg/kg Rat	20800 mg/kg Rabbit	l>317042mg/m³ air (Rabbit)
Skin corrosion/irritation	Based on available data, the classification criteria are not met.			
Serious eye damage/eye irritation	Based on available data, the classification criteria are not met.			
Respiratory or skin sensitisation	Based on available data, the classification criteria are not met.			
Germ cell mutagenicity	Based on available data, the classification criteria are not met.			
Carcinogenicity	Based on available data, the classification criteria are not met.			
Reproductive toxicity	Based on available data, the classification criteria are not met			
STOT - single exposure	Based on available data, the classification criteria are not met.			
STOT - repeated exposure	Based on available data, the classification criteria are not met.			
spiration hazard	Based on available data, the classification criteria are not met.			

Potential health effects

Eyes Contact with eyes may cause irritation.

Skin May cause slight skin irritation. Repeated exposure may cause skin dryness or cracking. Contact with product at elevated temperatures can result in thermal burns.

Inhalation Avoid breathing vapors or mists. Inhalation of aerosol may cause irritation to respiratory tract.

Ingestion Health injuries are not known or expected under normal use. May be harmful if swallowed. (dependent on amounts)

12. ECOLOGICAL INFORMATION

Ecotoxicity

Component Informat1on:.

Chemical Name	Fresh Water Algae	Acute Fish Toxicity	Daphnia (Water flea)	Effects on micro-organisms	Other
1,2-Propylene glycol	EC50: 96h 19000 mg/L (Pseudokirchneriella subcapitata)	LC50: 96h 40613mg/L (Oncorhynchus mykiss) static	EC50: 48h 1000 mg/L (Daphnia magna) EC50: 24h 10000 mg/L (Daphnia magna)	NOEC >20000mg/l Pseudomonas putida	Saltwater algae Skeletonema costatum EC50: 96h 19100mg/L

Chemical Name	log Kow	BCF
1,2-Propylene glycol	-1.07	

Persistence/Degradability Readily biodegradable.
Mobility Miscible with water.

13. DISPOSAL CONSIDERATIONS

Whenever possible, as rules and regulations allow, please recycle or manage materials to minimize waste.

Waste Disposal Methods Dispose of in compliance with the laws and regulations pertaining to this product in your jurisdiction.

Contaminated Packaging Empty containers should be decontaminated and taken for local recycling, recovery or waste disposal.

14. TRANSPORT INFORMATION

Domestic transport regulations (USA)
DOT Not regulated

Domestic transport regulations (Canada)
TDG Not regulated

Domestic transport regulations (Mexico)
MEX Not regulated

International transport regulations
ICAO Not regulated
IATA Not regulated
IMDG/IMO Not regulated

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15. REGULATORY INFORMATION

International Inventories

The components of this product are reported in the following inventories:

Chemical Name	TSCA	DSL	NDSL	EINECS	ELINCS	AICS	ENCS ISHL	CHINA	PICCS	KECL	NZIoC
1,2-Propylene glycol	Yes	Yes	No	Yes 200-338-0	No	Yes	Yes (2)-234	Yes	Yes	Yes KE-29267	Yes

USA

Federal Regulations

Ozone Depleting Substances:
No Class I or Class II material is known to be used in the manufacture of, or contained in, this product.

SARA313
Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product is not known to contain any chemicals which are subject to the reporting requirements of the Act or regulations contained in 40 CFR 372.

CERCLA/SARA 103-302
Sections 103-302 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product is not known to contain any chemicals which are subject to the reporting requirements of the Act or regulations contained in 40 CFR 103 -302.

SARA 311/312 Hazardous Categorization

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

Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 63)
This product is not known to contain any HAPS.

State Regulations

State Right-to-Know
Component Information

Chemical Name	Weight%	Massachusetts	Minnesota	New Jersey	Pennsylvania
1,2-Propylene glycol	>= 99.0	No	No	Yes 3595	Yes

Canada

WHMIS Product Classification
Not a WHMIS controlled product.

WHMIS Ingredient Disclosure List IDL
Component Information

Chemical Name	Weight %	WHMIS IDL	WHMIS Threshold limits
1,2-Propylene glycol	>= 99.0	Listed	1%

(NPRI) Canadian National Pollutant Release Inventory
Component Information

Chemical Name	Weight%	NPRI
1,2-Propylene glycol	>= 99.0	Part 4 Substance as set out in Section 65 of the List of Toxic Substances in Schedule 1 of the Canadian Environmental Protection Act, 1999

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

Mexico

Mexico - Grade Slight risk, Grade 1

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16. OTHER INFORMATION

Prepared By: ADM Evolution Chemicals
Original Preparation Date: 02-May-2011
Revision Date: 20-May-2015
Revision Number: 2
Reason for revision: New SOS format. This version replaces all previous versions.

Abbreviations and acronyms
ACGIH TLV - American Conference of Governmental Industrial Hygienists Threshold Limit Values
AICS -Australian Inventory of Chemical Substances (Australia)
A3 - Animal Carcinogen
CAS - Chemical Abstract Service
CHINA - Chinese Inventory of Existing Chemical Substances (China)
DOT - U.S. Department of Transportation
DSL - Domestic Substance List (Canada)
EC50 - Half maximal effective concentration
EINECS - European Inventory of Existing Commercial Chemical Substances (EU)
ELINCS - European List of Notified Chemical Substances (EU)
ENCS - Existing and New Chemical Substances (Japan)/ ISHL - Industrial Health and Safety Law (Japan)
GHS - Globally Harmonized System of Classification and Labelling of Chemicals
Group 1 - Carcinogenic to Humans
IATA- International Air Transport Association Dangerous Goods Regulations
IARC - International Agency for Research on Cancer
ICAO - International Civil Aviation Organisation
ICL - In Commerce List (Canada)
IMDG - International Maritime Dangerous Goods Code
IMO - International Maritime Organization
KECL - Korean Existing and Evaluated Chemical Substances (Korea)
LC50 - Lethal concentration that produces fatalities in 50% of a given test population
LD50 - Median lethal dose of a given test population
MEX - NOM-002-SCT/2003 List of Hazardous Substances and Materials Most Commonly Transported
MEXICO - Mexico Occupational Exposure Limits
NDSL - Non Domestic Substances List (Canada)
NFPA - National Fire Protection Association
NIOSH - National Institute of Occupational Safety and Health
NOAEL - No Observed Adverse Effect Level
NTP - National Toxicology Program
NZIoC - New Zealand Inventory of Chemicals (New Zealand)
OECD - Organisation for Economic Co-operation and Development
OSHA - Occupational Safety & Health Administration
OSHA PEL - Occupational Safety and Health Administration Permissible Exposure Limits
PICCS - Inventory of Chemicals and Chemical Substances (Philippines)
PNEC - Predicted No-Effect Concentration
Present - Carcinogen or potential carcinogen to be identified under OSHA's Hazard Communication Standard
STOT - Specific Target Organ Toxicity
TOG - Transportation of Dangerous Goods (Transport Canada)
TSCA- Toxic Substances Control Act, Section 8(b) Inventory (USA)
TWA - Time Weighted Average: Average concentration that should not be exceeded during a work day (usually 8 -hours)
vPvB - Very Persistent and Very Bioaccumulative
WHMIS - Workplace Hazardous Materials Information System

The information provided on this (M)SDS 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 guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as 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 material or in any process, unless specified in the text.

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