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Dear Educator,

This file contains the Safety Data Sheets (SDS) for FOSS MOTION, FORCE & MODELS, 3<sup>rd</sup> EDITION as of July 24, 2017.

Because kit contents can sometimes be replaced, we recommend searching our online portal of SDS for current sheets as you need them. To make that searching easier, we have provided a listing below of the items with SDS in this kit.

Portal: <http://www.schoolspecialty.com/sds>

Part Number to Search	Item Description
077399	Marking pen, permanent
1448145	Runways, foam

Note: The part numbers to search for in the portal are often not the same part numbers used to order replacements. To order replacements, please visit [www.deltaeducation.com/refillcenter](http://www.deltaeducation.com/refillcenter)

If you have any questions, please contact Customer Care at 800-258-1302 for assistance.



Office Products Group

**MATERIAL SAFETY DATA SHEET**

**MSDS # 3000**

**Section One: Identification**

Newell Rubbermaid, Inc. (Sanford L.P.)  
2707 Butterfield Road  
Oak Brook, IL 60523 USA  
800-323-0749 or 630-481-2000

EMERGENCY MEDICAL NUMBER:

888-786-0972

Product Name: Sharpie Fine Point Marker, Sharpie Ultra Fine Point Marker, Sharpie Extra Fine Marker, Sharpie Chisel Tip Marker, Sharpie Twin Tip Marker, Super Sharpie Marker, Super Sharpie Twin Tip Marker, Sharpie Mini Fine Point Marker, Sharpie Micro Marker, Sharpie Grip Marker, Sharpie Retractable Fine Point Marker, Sharpie Magnum Marker, Sharpie King Size Marker, Sharpie Liquid Tip Marker.

Colors: All Colors

NewellRubbermaid, Inc (Sanford L.P.) is a member of The Art and Creative Materials Institute, Inc. This product is certified by the Institute to be labeled in accordance with the voluntary chronic hazard labeling standard ASTM D-4236 and is labeled with the AP Non Toxic Seal. Products bearing the AP Approved Product Seal of The Art and Creative Materials Institute, Inc. are certified in a program of toxicological evaluation by a medical expert, subject to review by the Institute Toxicology Advisory Board, to contain no materials in sufficient quantities to be toxic or injurious to humans, or to cause acute toxicity or chronic health problems.

**Section Two: Hazard Identification**

Not Hazardous under normal use conditions. Not for use on skin. Do not ingest. Contact with eyes may cause irritation.

**Section Three: Composition**

Dyes

Pigments

Solvent Mixture: Butanol (71-36-3), Propanol (71-23-8), Diacetone Alcohol (123-42-2), Ethanol (64-17-5)

**Section Four: First Aid Measures**

Inhalation: Remove source of irritation. If symptoms persist seek medical attention

Skin Contact: Wash with soap and water. If irritation persists seek medical attention.

Eye Contact: Rinse eyes with water, if irritation persists seek medical attention.

Ingestion: If symptoms occur seek medical attention.

**Section Five: Fire Fighting Measures**

Flash Point: N/A

Extinguishing Media: As appropriate for surrounding area.

Special Fire Fighting Measures: N/A

Hazardous combustion products: N/A

**Section Six: Accidental Release Measures**

In Case of Spill or Accidental Release: Wipe up with absorbent material.

**Section Seven: Handling and Storage**

Handling: Do not shake marker.

Storage: Keep cap on marker when not in use.

**Section Eight: Exposure Controls and Personal Protection**

Eye Protection: None under normal use conditions.

Clothing: None under normal use conditions.

Respirator: None under normal use conditions.

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**Section Nine: Physical and Chemical Properties**

Boiling Point: N/A  
Specific Gravity: N/A  
Vapor Pressure: N/A  
Solubility in Water: N/A  
Evaporation Rate: N/A  
Appearance/Odor: Marker/Alcohol (ink)

**Section Ten: Stability and Reactivity**

Stability: N/A  
Conditions to Avoid: Avoid exposure to heat, flame or other sources of ignition.  
Chemical Incompatibility: N/A  
Hazardous Polymerization: N/A

**Section Eleven: Toxicological Information**

See Section Two: Hazard Identification for any hazards

**Section Twelve: Ecological Information**

Not available

**Section Thirteen: Disposal Considerations**

Dispose of in accordance with all Federal, State, and Local Regulations.

**Section Fourteen: Transport Information**

DOT: Not available  
IATA: Not available  
IMO: Not available

**Section Fifteen: Regulatory Information**

United States: All components in this product are listed on or exempt from reporting under the Federal Toxic Substances Control Act (TSCA).

**Section Sixteen: Other Information**

HMIS Code	
Health	N/A
Flammability	N/A
Reactivity	N/A
Personal Protection	N/A

0=Minimal / 4 = Severe

NewellRubbermaid, Inc has been advised by Counsel that the OSHA Hazard Communication Standard and the Health Canada Workplace Hazardous Materials Information Standard do not apply to the Sanford Product described in this Material Safety Data Sheet. The reasons for the exemptions are contained in 29 CFR 1910.1200(b)(6)(ix) as amended Sept 14, 2009 per the Code of Federal Regulations and also Canadian Hazardous Products Act part 12 section (f) as amended June 1, 2009. The information contained in this MSDS is forwarded to you for your information, but is not meant to imply that the product is covered by nor is this MSDS meant to comply with all requirements of the hazard communication standards.

## Hazard Communication Compliance Declaration

Newell-Rubbermaid (NWL) writing instruments comply with U.S. OSHA GHS Hazard Communication Standard of 29 CFR section 1910.1200 (OSHA HazCom 2012) by virtue of exemption as 'articles' and as 'consumer products' per 29 CFR section 1910.1200(b)(6)(v) and (ix). Therefore, GHS Safety Data Sheets are not required for our writing instruments.

An 'article' is defined in Section 1910.1200(c) "as a manufactured item other than a fluid or particle:

- Which is formed to a specific shape or design during manufacture;
- Which has end use function(s) dependent in whole or in part on its shape or design during end use; and
- Which, under normal conditions of use, does not release other than very small (minute or trace) amounts of a hazardous chemical and does not pose a physical hazard or health risk to employees."

The 'consumer product' exemption in 29 C.F.R. section 1910.1200(b)(6)(ix) states that:

- Any consumer product or hazardous substance, as those terms are defined in the Consumer Product Safety Act (15 U.S.C. 2051 et seq.) and Federal Hazardous Substances Act (15 U.S.C. 1261 et seq.) respectively, where the employer can show that it is used in the workplace for the purpose intended by the chemical manufacturer or importer of the product, and the use results in a duration and frequency of exposure which is not greater than the range of exposures that could reasonably be experienced by consumers when used for the purpose intended.

OSHA has consistently taken the position, in various rulemaking documents and interpretation letters, "most office products (such as pens, pencils, adhesive tape) to be exempt under the provisions of the rule, either as articles or as consumer products." Markers also fall into these exempted categories. This position is cited currently on [OSHA's website](#) in a letter from OSHA Assistant Secretary John A. Pendergrass to U.S. Congressman Jim Bunning. These examples are cited again in OSHA's FAQs on the [Hazard Communication Standard](#) which further reinforces that Newell-Rubbermaid writing products are exempt from Hazard Communication requirements, specifically GHS Safety Data Sheet documentation.

A non-exhaustive list is provided below of Newell-Rubbermaid writing instruments that qualify as 'articles' and 'consumer products' that are exempt from GHS Safety Data Sheet requirements:

- Prismacolor Premier Colored Pencils and Sharpeners
- Prismacolor Nupastels and Art Stix and Erasers
- Sharpie Permanent Markers
- Sharpie Pens
- Sharpie Highlighters (Clearview, Accent, etc)
- Paper Mate Pens (InkJoy, FlexGrip, Replay, etc)
- Paper Mate Mechanical Pencils
- Paper Mate Flair Pens
- Paper Mate Pearl Erasers
- Paper Mate Replay Premium Erasable Pens
- Expo Dry Erase Markers
- Expo Whiteboard Cleaner Wipes
- Expo Learning Boards
- Liquid Paper Correction Pens
- Liquid Paper Dryline Correction Tape
- Parker Fountain Pens
- Waterman Fountain Pens
- Rotring Tikky Ballpoint Pens
- Woodcase Pencils (Mongol, Mirado, etc)
- uni-ball pens

# SAFETY DATA SHEET

<b>SECTION 1 : IDENTIFICATION</b>			
<b>PRODUCT IDENTIFIER:</b>	ITP P.E. FOAM PROFILES AND EXTRUSIONS (WITH BLACK PIGMENT)	<b>MANUFACTURER NAME &amp; ADDRESS:</b>	
<b>CHEMICAL IDENTITY:</b>	POLYETHYLENE	INDUSTRIAL THERMO POLYMERS (Owned and Operated by Armacell Canada Inc.) 153 VAN KIRK DRIVE BRAMPTON, ONTARIO , L7A 1A4	
<b>RECOMMENDED USE</b>	PACKAGING, CUSHIONING, SOUND DAMPENING, INSULATION, SEALING, FLOATATION etc.	<b>PHONE NO.:</b>	1-905-846-3666
<b>RESTRICTION OF USE</b>	NONE	<b>FAX NO.:</b>	1-905-846-0363
		<b>EMERGENCY PHONE NO.:</b>	1-800-387-3847

## SECTION 2 : HAZARD(S) IDENTIFICATION

- POLYETHYLENE EXTRUDED FOAM PRODUCTS ARE CLASSIFIED BY OSHA AS "NON HAZARDOUS".

- PE FOAM PRODUCTS ARE MADE FROM POLYETHYLENE RESIN , ADDITIVES AND ISOBUTANE .(MORE DETAILS IN SEC.3.)

- ISOBUTANE, A FLAMABLE HYDROCARBON IS USED AS BLOWING AGENT. SMALL TRACES OF THIS GAS MAY BE PRESENT IN THE PRODUCT. THIS GAS MAY ACCUMULATE AT HAZARDOUS CONCENTRATIONS ABOVE THE LOWER FLAMMABLE LIMITS (LFL) IF LARGE QUANTITIES OF THIS PRODUCT ARE STORED IN UNVENTILATED AREAS.

<b>ROUTES OF EXPOSURE:</b>	SWALLOWING <input checked="" type="checkbox"/>	SKIN ABSORPTION <input type="checkbox"/>	INHALATION <input checked="" type="checkbox"/>	SKIN CONTACT <input checked="" type="checkbox"/>	EYE CONTACT <input checked="" type="checkbox"/>
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### EFFECTS OF A SINGLE (ACUTE) OVEREXPOSURE BY:

<b>SWALLOWING:</b>	CHOKING - MECHANICAL BLOCKAGE
<b>SKIN ABSORPTION:</b>	NOT LIKELY.
<b>INHALATION:</b>	FOAM DUST MAY CAUSE IRRITATION TO NOSE , THROAT OR LUNGS.
<b>SKIN CONTACT:</b>	NON IRRITATING TO SKIN CONTACT
<b>EYE CONTACT:</b>	EYE INJURY OR FOAM DUST MAY CAUSE IRRITATION TO EYES
<b>OTHER EFFECTS</b>	NOT KNOWN

## SECTION 3 : COMPOSITION / INFORMATION ON INGREDIENTS

INGREDIENTS	CAS NO.	WEIGHT %	EXPOSURE LIMITS ACGIH - TLV*
POLYETHYLENE	9002-88-4	75% -100%	NA
ISOBUTANE	75-28-5	-	800 PPM TWA
CARBON BLACK	1333-86-4	0% - 5%	3.5 mg/m <sup>3</sup>

\* Applicable provincial TLV's may differ

\* Specific chemical names and percentage in the mix has been withheld to protect trade secret.

## SECTION 4 : FIRST AID MEASURES

<b>SWALLOWING:</b> CONSULT PHYSICIAN	<b>SKIN CONTACT:</b> WASH WITH SOAP AND WATER
<b>INHALATION:</b> MOVE TO FRESH AIR. SEEK MEDICAL ATTENTION IF BREATHING PROBLEMS PERSISTS.	<b>EYE CONTACT:</b> FLUSH EYES WITH CLEAN LUKEWARM WATER. CONSULT PHYSICIAN.

## SECTION 5 : FIRE FIGHTING MEASURES

1. PE FOAM IS COMBUSTIBLE AND SHOULD NOT BE EXPOSED TO SPARKS OR OPEN FLAME. RESULTS IN CLASS A FIRE.
2. FIRE TO BE EXTINGUISHED BY USING WATER FOG OR FINE SPRAY. SOAK THE PRODUCT WITH WATER TO COOL AND SMOTHER.
3. FIRE WILL CAUSE DENSE SMOKE. USE SELF-CONTAINED BREATHING APPRATUS AND FULL PROTECTIVE CLOTHING.
4. FIRE WILL RESULT IN INTENSE HEAT AND SMOLDERING. EXTINGUISHMENT IS BY COOLING WITH WATER.
5. OTHER FIRE EXTINGUISHERS (DRY CHEMICAL, FOAM OR CO2 EXTINGUISHERS) MAY BE USED FOR EXTINGUISHMENT.
6. CHEMICAL/GASEOUS HAZARDS LIKE CO, CO2 AND CARBON MAY BE PRODUCED FROM THE SMOLDERING SUBSTANCES AND FIRE.

# SAFETY DATA SHEET

## SECTION 6: ACCIDENTAL RELEASE MEASURES

PE FOAM IS COMBUSTIBLE. SHOULD NOT BE EXPOSED TO SPARKS OR OPEN FLAME. RESULTS IN CLASS 'A' FIRE.

## SECTION 7: HANDLING AND STORAGE

- PE FOAM IS COMBUSTIBLE AND SHOULD NOT BE EXPOSED TO SPARKS OR OPEN FLAME. WHEN BURNS, WILL RELEASE TOXIC GASES LIKE CO .

-WHEN FABRICATING OR CUTTING , THIS PRODUCT MAY RELEASE TRAPPED ISOBUTANE FROM THE FOAM CELLS. ADEQUATE VENTILATION IS A MUST.

- PE FOAM SHOULD BE STORED IN COOL, DRY AND WELL VENTILATED LOCATIONS. ISOBUTANE GAS MAY ACCUMULATE AROUND THE PRODUCT.

- PE FOAM IS INCOMPATIBLE WITH STRONG OXIDIZING AGENTS LIKE, CL<sub>2</sub> ,H<sub>2</sub>O<sub>2</sub> , KNO<sub>3</sub> ,H<sub>2</sub>SO<sub>4</sub>.

## SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

- NOT NECESSARY OTHER THAN STATED IN SECTION 2

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE:	SOLID	FREEZING POINT:	N/A	SPECIFIC GRAVITY VAPOUR	N/A
BOILING POINT 760 mm Hg:	N/A	VAP. PRESS at 20°C:	N/A	MOLECULAR WEIGHT:	N/A
SPECIFIC GRAVITY	0.01 - 0.15	SOLUBILITY IN WATER	INSOLUBLE	COEFFICIENT OF WATER / OIL DISTRIBUTION:	N/A
MELTING POINT:	+ 212°F	EVAPORATION RATE	N/A		
DENSITY	0-30 lbs/cuft	% VOLATILES BY VOLUME:	N/A	VAPOUR DENSITY	N/A
APPEARANCE	CLOSED CELL FOAM	ODOR:	NEGLIGIBLE	ODOR THRESHOLD:	N/A

## SECTION 10 : STABILITY AND REACTIVITY

- PE FOAM IS STABLE AND NON-REACTIVE. OTHER THAN CONDITIONS STATED IN SECTION 5 ,6 & 7

## SECTION 11 : TOXICOLOGICAL INFORMATION

- PE FOAM HAS NO CARCINOGENIC SUBSTANCES. IT IS NOT LISTED IN : IARC & NTP

ROUTES OF EXPOSURE : | SWALLOWING | FOAM DUST INHALATION | SKIN CONTACT | EYE CONTACT

EFFECTS OF ABOVE EXPOSURE STATED IN SECTION 4

## SECTION 12 : ECOLOGICAL INFORMATION

- PE FOAM DOES NOT EXHIBIT ANY SIGNIFICANT BIODEGRADATION.

## SECTION 13 : DISPOSAL CONSIDERATIONS

- PE FOAM CAN BE REPROCESSED OR CAN BE DISPOSED OFF IN LANDFILL

## SECTION 14 : TRANSPORT INFORMATION

- PE FOAM HAS SOME RESIDUAL ISOBUTANE AND HENCE TO BE TRANSPORTED IN VENTILATED TRAILERS.

## SECTION 15 : REGULATORY INFORMATION

- PE FOAM HAS NO CARCINOGENIC SUBSTANCES AND IS CLASSIFIED AS NON HAZARDOUS UNDER THE FEDERAL OSHA STANDARDS.

## SECTION 16 : OTHER INFORMATION

PREPARED BY / DEPARTMENT	PHONE NUMBER	DATE UPDATED
HARENDRA RATHOD / QA DEPARTMENT	905-846-36660 / 1-800-387-3847	April 16, 2015

FOR INFORMATION : Visit Web: [www.tundrafoam.com](http://www.tundrafoam.com) or Email: [info@tundrafoam.com](mailto:info@tundrafoam.com)