



Safety Data Sheet

Regular Tip Prep-Resistant Skin Marker

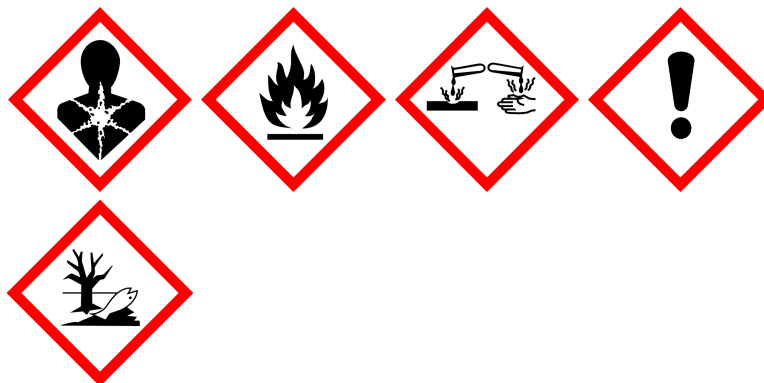
Section 1. Identification

Product Identifier	Regular Tip Prep-Resistant Skin Marker		
Synonyms	DYNJSM11; DYNJSM11R; DYNJSM12; DYNJSM13; MSD_SDS0442		
Manufacturer Stock Numbers	DYNJSM11; DYNJSM11R; DYNJSM12; DYNJSM13		
Recommended use	Used for surgical marking on intact skin.		
Uses advised against	None known.		
Manufacturer Contact Address	Medline 3 Lakes Drive Northfield, IL, 60093 USA		
	Phone	Emergency Phone	Fax
	(800) 633-5463	(800) 424-9300 CHEMTREC	(847) 643-4436
	Website		
	www.Medline.com		

Section 2. Hazards Identification

Classification	CARCINOGENICITY - Category 1B FLAMMABLE LIQUIDS - Category 3 HAZARDOUS TO THE AQUATIC ENVIRONMENT - LONG-TERM HAZARD - Category 2 SERIOUS EYE DAMAGE /EYE IRRITATION - Category 1 SPECIFIC TARGET ORGAN TOXICITY (Single Exposure) - Category 3
Signal Word	Danger

Pictogram



Hazard Statements

Causes serious eye damage
Flammable liquid and vapor
May cause cancer
May cause drowsiness or dizziness
Toxic to aquatic life with long lasting effects

Precautionary Statements

Response

Call a poison center/doctor if you feel unwell.
Collect spillage.
If exposed or concerned: Get medical advice/attention.
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
If inhaled: Remove person to fresh air and keep comfortable for breathing.
If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
Immediately call a poison center/doctor.
In case of fire: Use water fog, alcohol resistant foam, dry chemical powder, carbon dioxide to extinguish.

Prevention

Avoid breathing mist/vapors.
Avoid release to the environment.
Do not handle until all safety precautions have been read and understood.
Ground/bond container and receiving equipment.
Keep away from heat/sparks/open flames/hot surfaces. - No smoking
Obtain special instructions before use. Keep container tightly closed.
Take precautionary measures against static discharge.
Use explosion-proof electrical/ventilating/lighting equipment.
Use only non-sparking tools.
Use only outdoors or in a well-ventilated area.
Wear protective gloves/protective clothing/eye protection/face protection.

Storage

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

Disposal

Dispose of contents/container in accordance with local/regional/national /international regulations.

Ingredients of unknown toxicity

0%

Hazards not Otherwise Classified

None known.

Section 3. Ingredients

CAS	Ingredient Name	Weight %
Trade Secret	Dye	Trade Secret %
Trade Secret	Solvent	Trade Secret %

Occupational exposure limits, if available, are listed in Section 8.

Section 4. First-Aid Measures

Inhalation:	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.
Skin Contact:	Take off immediately all contaminated clothing. Rinse skin with water/shower. Get medical attention if irritation develops and persists.
Eye Contact:	Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention immediately.
Ingestion:	Rinse mouth. Get medical attention if symptoms occur.
Most important symptoms/effects, acute and delayed:	May cause drowsiness and dizziness. Headache. Nausea, vomiting. Causes serious eye damage. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result. Irritation of nose and throat. Prolonged exposure may cause chronic effects.
Indication of immediate medical attention and special treatment needed:	Provide general supportive measures and treat symptomatically. Thermal burns: Flush with water immediately. While flushing, remove clothes which do not adhere to affected area. Call an ambulance. Continue flushing during transport to hospital. Keep victim under observation. Symptoms may be delayed.
General information:	Take off all contaminated clothing immediately. IF exposed or concerned: Get medical advice/attention. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Wash contaminated clothing before reuse.

Section 5. Fire Fighting Measures

Suitable Extinguishing Media	Water fog. Alcohol resistant foam. Dry chemical powder. Carbon dioxide (CO ₂).
Unsuitable Extinguishing Media	Do not use water jet as an extinguisher, as this will spread the fire.
Specific hazards arising from the chemical:	Vapors may form explosive mixtures with air. Vapors may travel considerable distance to a source of ignition and flash back. During fire, hazardous combustion products are released that may include: Carbon oxides.
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:	In case of fire and/or explosion do not breathe fumes. Move containers from fire area if you can do so without risk. Cool containers exposed to flames with water until well after the fire is out.
Specific Methods:	Use standard firefighting procedures and consider the hazards of other involved materials.
General Fire Hazards:	Flammable liquid and vapor.

Section 6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures:	Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. 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/vapors. 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 of the SDS.
Methods and materials for containment and cleaning up:	Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil, etc.) away from spilled material. Take precautionary measures against static discharge. Use only non-sparking tools. Prevent product from entering drains. Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. 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. Wipe up with absorbent material. Clean surface thoroughly to remove residual contamination. Never return spills to original containers for re-use. Put material in suitable, covered, labeled containers. For waste disposal, see section 13 of the SDS.
Environmental precautions:	Avoid release to the environment. Inform appropriate managerial or supervisory personnel of all environmental releases. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground.

Section 7. Handling and Storage

Precautions for safe handling:	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. 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. Explosion-proof general and local exhaust ventilation. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Use non-sparking tools and explosion-proof equipment. Do not get this material in contact with eyes. Avoid breathing mist/vapors. Avoid prolonged exposure. Should be handled in closed systems, if possible. Wear appropriate personal protective equipment. Avoid release to the environment. Observe good industrial hygiene practices.
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Conditions for safe storage, including any incompatibilities:

Store locked up. Keep away from heat, sparks and open flame. Prevent electrostatic charge build-up by using common bonding and grounding techniques. Store in a cool, dry place out of direct sunlight. Store in 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).

Section 8. Exposure Controls/Personal Protection

Occupational Exposure Limits

Ingredient Name	ACGIH TLV	OSHA PEL	STEL
Dye	N/A	N/A	N/A
Solvent	200 ppm	980 mg/m ³	400 ppm

Personal Protective Equipment

Goggles, Gloves, Apron, Face Shield

Appropriate engineering controls:

Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. Eye wash facilities and emergency shower must be available when handling this product.

Individual protection measures, such as personal protective equipment:

Eye/face protection: When working with liquids wear splash-proof chemical goggles and face shield unless full facepiece respiratory protection is worn.

Skin protection/Hand protection: Wear appropriate chemical resistant gloves. Be aware that the liquid may penetrate the gloves. Frequent change is advisable. Suitable gloves can be recommended by the glove supplier.

Skin protection/Other: Wear suitable protective clothing. Use of an impervious apron is recommended.

Respiratory protection: Respiratory protections should be worn when there is a potential to exceed the exposure limit requirements or guidelines. Chemical respirator with organic vapor cartridge and full facepiece. Check with respiratory protective equipment suppliers.

Thermal hazards: Wear appropriate thermal protective clothing, when necessary.

General hygiene considerations:

Observe any medical surveillance requirements. 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.

Section 9. Physical and Chemical Properties

Physical State	Liquid
Color	Violet. Marker containing liquid ink
Odor	Slight odor. Isopropanol
Odor Threshold	N/A
Solubility	N/A
Partition coefficient Water/n-octanol	N/A
VOC%	N/A
Viscosity	N/A
Specific Gravity	N/A
Density lbs/Gal	0.992
Pounds per Cubic Foot	N/A
Flash Point	30.6 °C (87.0 °F)
FP Method	Closed Cup
pH	N/A
Melting Point	N/A
Boiling Point	N/A
Boiling Range	N/A
LEL	N/A
UEL	N/A
Evaporation Rate	N/A
Flammability	N/A
Decomposition Temperature	N/A
Auto-ignition Temperature	N/A
Vapor Pressure	N/A
Vapor Density	N/A

Section 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:	Acids. Strong oxidizing agents. Chlorine. Isocyanates.
Hazardous decomposition products:	Decomposition is not expected under normal conditions of use and storage. For hazardous combustion products, see section 5.

Section 11. Toxicological Information

Information on likely routes of exposure: Inhalation: May cause drowsiness and dizziness. Headache. Nausea, vomiting. Prolonged inhalation may be harmful.

Skin contact: Prolonged skin contact may cause temporary irritation.

Eye contact: Causes serious eye damage.

Ingestion: May cause discomfort if swallowed.

Symptoms related to the physical, chemical and toxicological characteristics: May cause drowsiness and dizziness. Headache. Nausea, vomiting. Causes serious eye damage. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result. Irritation of nose and throat. Prolonged exposure may cause chronic effects.

Acute toxicity: Not expected to be acutely toxic.

Trade Secret Solvent - CAS No. Trade Secret
LD50 Dermal (Rabbit): 12,870 mg/kg
LC50 Inhalation Vapor (Rat): 72.6 mg/l, 4 hours
LD50 Oral (Rat): 4,710 mg/kg

Skin corrosion/irritation: Prolonged skin contact may cause temporary irritation.

Serious eye damage/Eye irritation: Causes serious eye damage.

Respiratory sensitization: Not a respiratory sensitizer.

Skin sensitization: This product is not expected to cause skin sensitization.

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

Carcinogenicity: May cause cancer.

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 an aspiration hazard.

Chronic effects: Prolonged inhalation may be harmful. Prolonged exposure may cause chronic effects.

Section 12. Ecological Information

Ecotoxicity:	Toxic to aquatic life with long lasting effects. Trade Secret Dye - CAS No. Trade Secret LC50 (Fish): 0.1 mg/l (Medaka, high-eyes [Oryzias latipes]) Exposure time: 48 hours Trade Secret Solvent - CAS No. Trade Secret LC50 (Crustacea): > 10,000 mg/l (Daphnia magna) Exposure time: 24 hours LC50 (Fish): 9,640 mg/l (Pimephales promelas) Exposure time: 96 hours EC50 (Crustacea): > 100 mg/l (Daphnia magna) Exposure time: 21 days NOEC: 141 mg/l (Daphnia magna) Exposure time: 16 days NOEC: 30 mg/l (Daphnia magna) Exposure time: 21 days
Persistence and degradability:	No data is available on the degradability of this product.
Bioaccumulative potential:	Bioaccumulation is not expected.
Partition coefficient n-octanol / water (log Kow):	Trade Secret Dye: 0.51 Trade Secret Solvent: 0.05
Mobility in soil:	There is no data available for this product.
Other adverse effects:	No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

Section 13. Disposal

Disposal instructions:	Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Incinerate the material under controlled conditions in an approved incinerator. Do not incinerate sealed containers. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations.
Local disposal regulations:	Dispose in accordance with all applicable regulations.
Waste from residues / unused products:	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).
Contaminated packaging:	Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

Section 14. Transport Information

UN Number	1210
UN Proper Shipping Name	Printing ink, flammable or Printing ink related material
DOT Classification	3
Packing Group	III
IATA - UN Number:	1210
IATA - UN Proper Shipping Name:	Printing ink, flammable or Printing ink related material.
IATA - Hazard Class:	3
IATA - Packing Group:	III
IMDG - UN Number:	1210
IMDG - UN Proper Shipping Name:	Printing ink, flammable or Printing ink related material.
IMDG - Hazard Class:	3
IMDG - Packing Group:	III

Section 15. Regulatory Information

SARA 311/312:	Refer to Section 2 of the SDS.
SARA 302:	N.A.
SARA 304:	N.A.
SARA 313:	Trade Secret Solvent
TSCA:	All components are listed.
CERCLA Hazardous Substance List:	Trade Secret Solvent
Clean Air Act (CAA) Section 112, 112 (r):	N.A.
New Jersey Right to Know Components:	Trade Secret Solvent
Pennsylvania Right to Know Components:	Trade Secret Solvent
Rhode Island Right to Know Components:	Trade Secret Solvent
Massachusetts Right to Know Components:	Trade Secret Solvent

Section 16. Other Information

Revision Date 8/19/2022

Legend
N.A. - Not Applicable
N.E. - Not Established
N.D. - Not Determined

National Fire Protection 3
Association (U.S.A): Health
Hazard

National Fire Protection 3
Association (U.S.A): Fire
Hazard

National Fire Protection 0
Association (U.S.A):
Reactivity

Additional Information: The information contained herein is furnished without warranty or legal responsibility of any kind. Employers should use this information only as a supplement to other information gathered by them and must make independent determination of suitability and completeness of information from all sources to assure proper use of these materials and the safety and health of employees.