

**FAB 10 ENVIRONMENTAL HEALTH & SAFETY  
INDUSTRIAL HYGIENE  
MATERIAL SAFETY DATA SHEET  
EURO FORMAT**

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

<b>1.1</b>	<b>Identification of substance (as per label):</b> <b>Other means of identification:</b>  <b>Company Name:</b> <b>Full Address:</b>  <b>Web Site:</b> www.jnj-industries.com <b>E Mail:</b> sales@jnj-industries.com <b>Telephone Number:</b> <b>Fax Number:</b> <b>Emergency Number:</b>	<b>Flammable liquid NOS</b> <b>GlobalTech® - WorkStation Hand Cleaner</b> <b>Citrus (HC-C)</b>  <b>Date of Last Revision:</b> 01/05 <b>JNJ Industries Inc.</b> <b>290 Beaver Street</b> <b>Franklin, MA 02038</b>  <b>(508) 553-0529</b> <b>(508) 553-9973</b> <b>InfoTrac (800) 535-5053</b>
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**2. COMPOSITION/INFORMATION ON INGREDIENTS**

CAS NUMBER	INGREDIENTS	0%	SYMBOLS	RISK PHASE
67-63-0	2-Propanol	5-90%	CnHmOp	N/E
7732-18-5	DI Water	5-90%	HmOp	N/E
25265-71-8	Oxybispropanol	5-90%	CnHmOp	N/E
N/E	Citrus Fragrance	1-10%	N/E	N/E

<b>2.1</b>	<b>Substances presenting a health hazard:</b>	All GlobalTech® solvents are CFC, HCFC, & ODS FREE
<b>2.2</b>	<b>Exposure Limit Value:</b>	>2000 ppm ACGIH Calculated (as total product)
<b>2.3</b>	<b>If substance is confidential-indicate chemical nature to ensure safe handling:</b>	Flammable liquid - keep away from heat and flame

**3. HAZARDS IDENTIFICATION**

<b>3.1</b>	<b>Critical Hazards:</b>	Flammable liquid
<b>3.2</b>	<b>Critical Hazards to Man &amp; Environment:</b>	Hazard Rating: Toxicity: 1, Fire: 3, Reactivity: 0 HMIS
	<b>Adverse Human Health Effects and Symptoms:</b>	Refer to Section 11 - Toxicological Information

**MATERIAL SAFETY DATA SHEET  
EURO FORMAT**

**1. FIRST AID MEASURES**

4.1	<p><b>Skin Contact:</b>  <b>First Aid:</b>  <b>Symptoms:</b>  <b>Effects:</b>  <b>Delayed Effects:</b>  <b>Medical Attention Needed:</b></p> <p><b>Eye Contact:</b>  <b>First Aid:</b>  <b>Symptoms:</b>  <b>Effects:</b>  <b>Delayed Effects:</b>  <b>Medical Attention Needed:</b></p> <p><b>Inhalation:</b>  <b>First Aid:</b>  <b>Symptoms:</b>  <b>Effects:</b>  <b>Delayed Effects:</b>  <b>Medical Attention Needed:</b></p> <p><b>Ingestion:</b>  <b>First Aid:</b>  <b>Symptoms:</b>  <b>Effects:</b>  <b>Delayed Effects:</b>  <b>Medical Attention Needed:</b></p> <p><b>Immediate Treatment Available at Workplace:</b></p>	<p>Wash with soap and water if irritation occurs                      Reddening after contact                      Reddening after contact                      If prolonged contact causes irritation, discontinue                      Wash with soap and water</p> <p>Flush with large amounts of cool water                      Irritation can cause eye reddening                      Irritation can cause eye reddening                      Irritation can cause eye reddening                      Seek medical attention if symptoms persist</p> <p>Move to fresh air                      May cause irritation to mucous membranes                      May cause irritation to mucous membranes                      May cause irritation to mucous membranes                      Seek medical attention if symptoms persist</p> <p>Toxic by ingestion. Do not take internally or use for food products.                      Drink several glasses of water and Induce vomiting                      May cause drowsiness, vomiting, diarrhea, cramps                      May cause drowsiness, vomiting, diarrhea, cramps                      May cause drowsiness, vomiting, diarrhea, cramps                      Seek medical attention if symptoms persist</p> <p>(Refer to Corporate First Aid Policy)</p>
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**2. FIRE FIGHTING MEASURES**

5.1	Suitable Extinguishing Media:	CO2, Dry Chemical, Foam, Water Spray
5.2	Unsuitable Extinguishing Media:	"Alcohol" Foam
5.3	Exposure Hazards:	Vapors may settle in low areas or travel to sources of ignition
5.4	Combustion Products: Resulting Gases:	Oxides of Carbon
5.5	Protective Equipment for Firefighters:	Normal protective equipment

**MATERIAL SAFETY DATA SHEET  
EURO FORMAT**

**1. ACCIDENTAL RELEASE MEASURES**

<b>6.1 Personal Precautions:</b>	
<b>Ignition Source:</b>	Avoid heat, sparks, and flame
<b>Provisions for sufficient ventilation:</b>	Use local exhaust ventilation- see section 2.2
<b>Control of dust:</b>	N/A
<b>Prevention of skin contact:</b>	Hand Cleaner - N/A
<b>Prevention of eye contact:</b>	Safety Glasses or Goggles
<b>6.2 Environmental Precautions:</b>	This product does not contain greater than the reportable amounts of toxic chemicals as defined under the various regulations under SARA.
<b>6.3 Methods for Cleaning Up: (List materials for)</b>	Presaturated wipe/Hand Cleaner - N/A
<b>6.4 Materials not to be Used for Cleaning Up:</b>	Keep from oxidizing agents, chlorinated materials, caustics, amines, alkanolamines, aldehydes and ammonia

**2. HANDLING & STORAGE**

<b>7.1 Handling:</b>	
<b>3. General Rules:</b>	Store in cool dry place. Keep containers tightly closed when not in use
<b>4. Technical Precautions for Safe Handling:</b>	Keep away from heat and flame Keep from oxidizing agents, chlorinated materials, caustics, amines, alkanolamines, aldehydes and ammonia
<b>5. Measure necessary to prevent air levels of chemical being generated as a result of handling:</b>	Normal ventilation satisfactory
<b>7.2 Recommended Storage Conditions:</b>	<b>INDOOR/OUTDOOR</b> -store at ambient temperature Keep away from heat and flame
<b>6. List Incompatible Material:</b>	Keep from oxidizing agents, chlorinated materials, caustics, amines, alkanolamines, aldehydes and ammonia
<b>7. Quantity Limits for Storage:</b>	N/E
<b>8. Special Requirements for proper storage of chemical:</b>	Store in cool dry place. Keep containers tightly closed when not in use. See Section 7.1

**MATERIAL SAFETY DATA SHEET  
EURO FORMAT**

**1. EXPOSURE CONTROLS/PERSONAL PROTECTION**

8.1	<p><b><u>System Design:</u></b> (e.g. Fume Hoods. Ventilation Cabinets, Enclosure)</p>	<p>Use local exhaust ventilation to maintain airborne limits as in Section 2.2</p>
8.2	<p><b><u>Control Parameters:</u></b> Limit Values or Biological Standards:</p>	<p>&gt;2000 ppm ACGIH Calculated</p>
8.3	<p><b><u>Recommended Monitoring Procedures:</u></b></p>	<p>Refer to Country, State &amp; Local ordinances</p>
8.4	<p><b><u>Personal Protection:</u></b></p> <p><i>Respiratory Protection:</i></p> <p><i>Hand Protection:</i></p> <p><i>Eye Protection:</i></p> <p><i>Skin Protection:</i></p>	<p>Not normally required</p> <p>N/A - Presaturated wipe/Hand Cleaner</p> <p>Safety Glasses or Goggles</p> <p>N/A - Presaturated wipe/Hand Cleaner</p>
8.5	<p><b>CEN Standards:</b></p>	

MATERIAL SAFETY DATA SHEET  
EURO FORMAT

## 2. PHYSICAL AND CHEMICAL PROPERTIES

9.1	Appearance:	Water clear liquid
9.2	Odor:	Slight IPA Odor
9.3	P.H.:	7
9.4	Boiling Point:	>88°C
9.5	Melting Point/Freezing Point:	N/E
9.6	Flash Point:	28°C
9.7	Flammability: (solid gas)	N/E
9.8	Auto flammability:	N/E
9.9	Explosive Properties:	None
9.10	Oxidizing Properties:	Keep away from heat and flame. Keep from oxidizing agents, chlorinated materials, caustics, amines, alkanolamines, aldehydes and ammonia
9.11	Vapor Pressure:	N/A
9.12	Specific Gravity: (water=1)	0.962-0.972
9.13	Solubility:	
	1. Water Solubility:	Mostly
	2. Fat Solubility:	N/E
9.14	Partition coefficient, n-octanol/water:	N/E
9.15	Other Data:	
	3. Safety Parameters:	Keep away from heat and flame Keep from oxidizing agents, chlorinated materials, caustics, amines, alkanolamines, aldehydes and ammonia
	4. Vapor Density:	<1.0
	5. Miscibility:	Complete with water
	6. Evaporation Rate:	<1.0 (Butyl Acetate = 1)
	7. Conductivity:	N/E
	8. Viscosity:	N/A

## 3. STABILITY AND REACTIVITY

10.1	Stability:	Stable
10.2	Conditions to Avoid:	Heat, sparks, and flame - may decompose to oxides of carbon
	9. Effects:	
10.3	Materials to Avoid:	Keep away from heat and flame. Keep from oxidizing agents, chlorinated materials, caustics, amines, alkanolamines, aldehydes and ammonia
	10. Effects:	
10.4	Hazardous Decomposition Products:	Oxides of carbon
	11. The need for and the presence of stabilizers:	Stable
	12. Hazardous exothermic reaction:	Will not occur
	13. Change appearance in the substance:	N/E
	14. Hazardous products formed upon contact with water:	None
	15. Degradation to unstable products:	None

**MATERIAL SAFETY DATA SHEET****EURO FORMAT****2. TOXICOLOGICAL INFORMATION**

<b>11.1</b>	<b>Skin Exposure:</b>	
	1. Symptoms:	Reddening after contact
	2. Immediate Effects:	Reddening after contact
	3. Delayed Effects:	If prolonged contact causes irritation, discontinue
	4. Chronic Effects:	If prolonged contact causes irritation, discontinue
	5. Special Health Effects:	Not known
<b>11.2</b>	<b>Eye Contact:</b>	
	6. Symptoms:	Irritating, can cause eye reddening
	7. Immediate Effects:	Irritating, can cause eye reddening
	8. Delayed Effects:	Irritating, can cause eye reddening
	9. Chronic Effects:	Irritating, can cause eye reddening
	10. Special Health Effects:	Not Known
<b>11.3</b>	<b>Inhalation:</b>	
	11. Symptoms:	Move to fresh air
	12. Immediate Effects:	May cause irritation to mucous membranes
	13. Delayed Effects:	May cause irritation to mucous membranes
	14. Chronic Effects:	May cause irritation to mucous membranes
	15. Special Health Effects:	Seek medical attention if symptoms persist
<b>11.4</b>	<b>Ingestion:</b>	
	16. Symptoms:	May cause drowsiness, vomiting, diarrhea, cramps
	17. Immediate Effects:	May cause drowsiness, vomiting, diarrhea, cramps
	18. Delayed Effects:	May cause drowsiness, vomiting, diarrhea, cramps
	19. Chronic Effects:	May cause drowsiness, vomiting, diarrhea, cramps
	20. Special Health Effects:	Seek medical attention if symptoms persist

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EURO FORMAT**

**2. ECOLOGICAL INFORMATION**

12.1	<b>Mobility:</b>	
	1. Distribution to environmental compartments:	N/E
	2. Surface tension:	N/E
	3. Absorption / desorption:	N/E
	4. Physical & chemical properties:	Refer to section 9
12.2	<b>Degradability:</b>	
	5. Biotic and abiotic degradation:	N/E
	6. Acrobic and anaerobic degradation:	N/E
	7. Persistence:	N/E
12.3	<b>Accumulation:</b>	
	8. Bioaccumulation potential:	N/E
	9. Biomagnification:	N/E
12.4	<b>Short and Long Term Effects on:</b>	
	10. Ecotoxicity:	
	11. aquatic organisms:	N/E
	12. soil organisms:	N/E
	13. plants and terrestrial animals:	N/E
	14. other Adverse Effects:	
	15. ozone depletion potential:	None
	16. photochemical ozone creation potential:	N/E
	17. effects on waste water treatment plants:	N/E

**3. DISPOSAL CONSIDERATIONS**

13.1	<b>Safe Handling:</b>	Keep away from heat, flame, and spark; store at ambient temperature, wear safety glasses or goggles
13.2	<b>Methods of Disposal:</b>	Local waste hauler should be consulted
13.3	<b>Community Provisions: National or Regional Provisions:</b>	(To be Completed by Individual Corporation)

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**1. TRANSPORT INFORMATION**

14.1	UN Nr:	UN 1993
14.2	UK Road & Sea Freight (IMO) Classification:	
14.3	Substance Classification Number:	
14.4	Class:	
14.5	Packing Group:	
14.6	Proper Shipping Name: PGR (if applicable)	
14.7	ADR/RID CLASSIFICATION: Class: Item Number:	
14.8	ICAO/IATA CLASSIFICATION: Class: Sub-Risk: Packing Group: Proper Shipping Name:	3 N/A III Flammable Liquid, N.O.S. 2-Propanol, Water, Oxybispropanol

**2. REGULATORY INFORMATION**

15.1	Precautionary Label Information:	Flammable Liquid - 3 (DOT)
15.2	Symbols:	Red Diamond Shape Flammable Sticker
15.3	Risk Phases:	Listed on the accompanying MSDS
15.4	Safety Phases:	Listed on the accompanying MSDS

**3. OTHER INFORMATION:**

16.1	Regulatory Information:	Refer to section 15
16.2	Training Necessary:	(Information Provided by Individual Company)
16.3	Reissue date / Reason for reissue:	N/A
16.4	Intended Use of Product:	Hand Cleaner
16.5	Limitations on Use of Product:	N/A

N/A = Not Applicable  
N/E = Not Established