

## I - PRODUCT IDENTIFICATION AND USE

MSDS ID: 0904

PRODUCT NAME: **NUMBERS UP**

USE: Pesticide/Aerosol

PCP # 21056

## SUPPLIER:

JohnsonDiversey Canada, Inc.  
2401 Bristol Circle  
Oakville Ontario, L6H 6P1, Canada

## EMERGENCY PHONE:

**1-800-668-7171**

WHMIS CLASSIFICATION: exempt

CHEMICAL FAMILY: Solvent

TRADE NAME / SYNONYMS: not applicable

CHEMICAL NAME: not applicable

## II - HAZARDOUS INGREDIENTS

| HAZARDOUS INGREDIENT          | % w/w | CAS #       | LD50 / LC50         | Route / Species |
|-------------------------------|-------|-------------|---------------------|-----------------|
| Isopropanol                   | 10-30 | 000067-63-0 | LD50 5045 mg/kg     | oral/rat        |
| Piperonylbutoxide, pyrethrins | 0.20  | 008003-34-7 | LD50 200 mg/kg      | oral/rat        |
| Piperonyl butoxide            | 1.00  | 000051-03-6 | LD50 7500 mg/kg     | oral/rat        |
| Dimethyl ether (propellant)   | 10-30 | 000115-10-6 | LC50 386 ppm(15min) | inh/mou         |

## III - HANDLING AND DISPOSAL PROCEDURES

## PERSONAL PROTECTIVE EQUIPMENT:

Gloves: Not normally required.

Eye: safety goggles

Footwear: not required

Respiratory: If mists are generated, use NIOSH approved mask

Other: not applicable

## SPECIAL HANDLING PROCEDURES AND EQUIPMENT:

In case of prolonged skin contact, the following gloves are recommended:  
Neoprene, Nitrile, PVA.

VENTILATION REQUIREMENTS: mechanical exhaust

INCOMPATIBILITY (Material to Avoid): Strong oxidizing agents.

SPILL PROCEDURES: Remove all sources of ignition. Use inert absorbent material and non-sparking tools. Avoid breathing fumes. Ventilate area. Prevent from entering a water course.

WASTE DISPOSAL: Do not puncture or incinerate containers, even when empty. Dispose according to municipal, provincial, and federal regulations.

STORAGE / SHIPPING REQUIREMENT: Store in a cool well ventilated area not to exceed 50°C.

## IV - PHYSICAL PROPERTIES

APPEARANCE / ODOUR: Clear, yellow liquid, alcohol odour

S.G. / BULK DENSITY(g/cc): 0.96

pH: 7.5 - 8.0

VAPOUR PRESSURE (mmHg): 55 PSIG @ 20°C

VAPOUR DENSITY (air=1): &gt;1

ODOUR THRESHOLD: not available

BOILING POINT: -25°C (propellant)

FREEZING POINT: not available

PERCENT VOLATILE: 98

SOLUBILITY IN WATER: 96%

EVAPORATION RATE (water=1): &lt;1

## V - TOXICOLOGICAL PROPERTIES

## EFFECTS OF ACUTE EXPOSURE TO MATERIAL:

EYES: Concentrated vapour may cause irritation. Exposure to liquid may cause freezing.

SKIN: May cause irritation.

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                    |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|
| <b>INGESTION:</b> May cause headache, nausea, vomiting and weakness.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                    |
| <b>INHALATION:</b> Narcotic. Inhalation of spray or mist may cause uncoordination, blurred vision, headache and analgesia.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                    |
| <b>LD50 (calculated):</b> Not available                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | <b>LC50 (calculated):</b> 386 ppm (15 min)                                                                         |
| <b>OTHER TOXIC EFFECTS:</b> *If used indoors on a continuous basis, use of a cartridge type respirator (NIOSH/MSHATC 23C or equivalent) is recommended.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                    |
| <b>EFFECTS OF CHRONIC EXPOSURE TO MATERIAL:</b> not available.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                    |
| <b>VI - FIRST AID MEASURES</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                    |
| <b>EYES:</b> Flush eyes with plenty of water for at least 15 minutes. Hold eyelids open while rinsing. Contact a physician immediately.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                    |
| <b>SKIN:</b> Flush affected area thoroughly with water. If irritation develops, contact a physician.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                    |
| <b>INGESTION:</b> Drink large volumes of water . Never give anything by mouth to an unconscious patient. Do not induce vomiting. Contact a physician immediately.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                    |
| <b>INHALATION:</b> Remove patient to fresh air. Get medical attention for any breathing difficulty.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                    |
| <b>VII - FIRE AND EXPLOSION DATA</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                    |
| <b>FLAMMABLE:</b> Yes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                    |
| <b>FLASH POINT, °C:</b> 14 (TCC)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | <b>AUTO IGNITION TEMPERATURE, °C:</b> 399                                                                          |
| <b>EXTINGUISHING MEDIA:</b> Water [X] Dry Chemical [X] Carbon Dioxide [X] Foam [X] Other [ ]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                    |
| <b>SPECIAL FIRE FIGHTING PROCEDURES:</b> Wear self-contained breathing apparatus.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                    |
| <b>HAZARDOUS COMBUSTION PRODUCTS:</b> Oxides of carbon.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                    |
| <b>EXPLOSIVE SENSITIVITY TO:</b> not applicable                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                    |
| <b>VIII - REACTIVITY DATA</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                    |
| <b>STABILITY:</b> Stable [X] Unstable [ ]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                    |
| <b>CONDITIONS TO AVOID:</b> storage in hot unventilated areas                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                    |
| <b>INCOMPATIBILITY (Material to Avoid) :</b> Strong oxidizers                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                    |
| <b>HAZARDOUS DECOMPOSITION PRODUCTS:</b> None.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                    |
| <b>REACTIVITY:</b> not applicable                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                    |
| <b>IX - MSDS PREPARATION</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                    |
| <b>SOURCES USED:</b> RTECS, Suppliers MSDS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | <b>PREPARED BY:</b> JohnsonDiversey Canada. Inc.<br>Regulatory Department<br>Food Division<br>Phone (905) 829-1200 |
| <b>PREPARATION DATE:</b> April 15, 2003                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                    |
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